SHARE WELL

SUZHOU SHARE WELL AUTOMATION TECHNOLOGY CO. LTD

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SUSTAINABLE DEVELOPMENT GROUP

SHARE WELL



PRODUCT MANUAL

Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

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Born For Application

PowerNex

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Reduce complexity to simplicity

Born for application



Make automation as easy as building blocks

PowerNex robot adhering to the concept of "simplifying complexity" and "born for application", through the perfect combination of automation technology and experience, to create new technologies, new applications, new modules, to achieve the strategy of "robot +", to provide the best solution for equipment manufacturers, and effectively solve the efficiency, cost, risk and other problems of automation integration.

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Product Index

Outstanding Appearance, Hidden Craftsmanship
Adhering to a Unique Combination
of Technology and Aesthetics



P series

High Speed, High Operation

- Payload:3kg，6kg，10kg，20kg，40kg，60kg，100kg
- Arm length:400-1000mm
- Flexible Arm Length Customization

»P14

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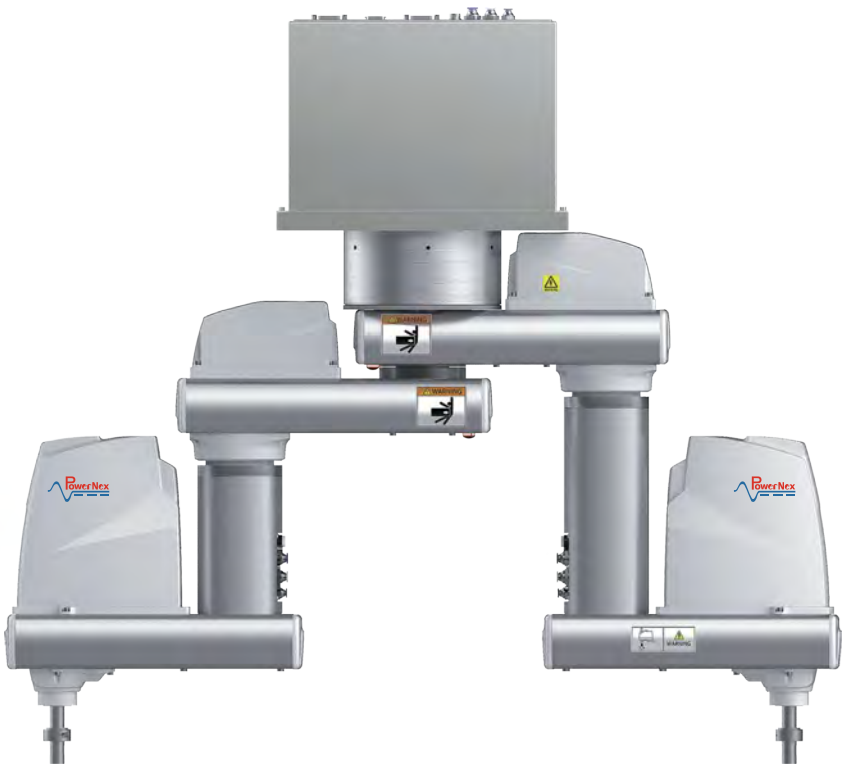
E series

360° working range with no blind spots

- Payload:4kg-10kg
- Arm length:400-550mm
- Flexible Arm Length Customization

» P56





Industry first

D series

High Efficiency, Flexible Space

- Maximum Load:4kg
- Arm length:400mm
- Flexible Arm Length Customization

» P62

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R series

360° Table-Mounted SCARA Robot

- Maximum Load:6kg
- Arm length:500-700mm
- Flexible Arm Length Customization

» P44



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R series

360° Table-Mounted SCARA Robot

- Maximum Load:6kg
- Arm length:500-700mm
- Flexible Arm Length Customization

» P44

New definition



Robot with Built-in End Effector

Customized Services Based on Application Needs to Enhance Your Machine's Competitiveness

CE series

360° Ceiling-Mounted SCARA Robot

- Maximum Load:10kg
- Arm length:600-800mm
- Flexible Arm Length Customization

» P64





CP series

Table-Mounted SCARA Robot

- Maximum Load:10kg
- Arm length:600-800mm
- Flexible Arm Length Customization

» P66

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W series

Wall-Mounted/Ceiling-Mounted SCARA Robot

- Maximum Load:6kg
- Arm length:500-700mm
- Flexible Arm Length Customization

≫P50



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S series

Compact 6-Axis Robot

S4-475A

4KG Load, High-Speed, High-Precision Robot

- 6-Axis Control
- Maximum Load:4kg
- Maximum Motion Range:475mm

» P68



S7-707A

Wide Motion Range,Enhancing Production Performance

- 6-Axis Control
- Maximum Load:7kg
- Maximum Motion Range:707mm

» P70



S7-906A

Extra-large Load, Meeting Various Production Requirements

- 6-Axis Control
- Maximum Load:7kg
- Maximum Motion Range:906mm

» P72



S10-1206A

Full cast aluminum body, offers the lightest weight among its class, along with enhanced speed.

- 6-Axis Control
- Maximum Load:10kg
- Maximum Motion Range:1206mm

» P74



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P100

Driven by Lithium, Empowering Your Cost Savings

Solving the Challenges of Heavy-Duty Transport and Complex Sorting

60kg
Payload

100kg
Maximum load



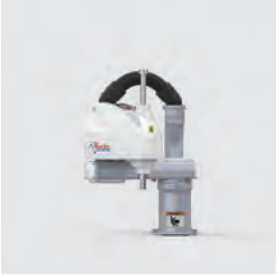
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P series Desktop-mounted SCARA Robot

The "cost-effective" horizontally mounted robot features high speed, high precision, and stable and reliable quality. It is the best product for robotic replacement and an ideal alternative to modular and Cartesian robots.

P3 P.14

Payload Rated 1kg/Maximum 3kg
Arm length 400mm



P6 P.16

Payload Rated 2kg/Maximum 6kg
Arm length 500 600 700mm



P10 P.22

Payload Rated 5kg/Maximum10kg
Arm length 600 700 800mm



P20 P.28

Payload Rated 10kg/Maximum20kg
Arm length 800 900 1000mm



P100 P.42

Payload Rated 60kg/Maximum100kg
Arm length 1200mm



R series ±360° Desktop -mounted SCARA Robot

The SCARA industrial robot R series can achieve an ultra-wide ±360° working range, making the machine layout more flexible and reasonable, which is beneficial to improving equipment production efficiency.

R6 P.44

Payload Rated 2kg/Maximum 6kg
Arm length 500 600 700mm



W series Side Wall/Ceiling Mounted SCARA Robot

The W series offers the option of side wall or ceiling mounting, allowing the equipment to use the desktop space more effectively, achieving equipment miniaturization and reducing floor space.

W6 P.50

Payload Rated 2kg/Maximum 6kg
Arm length 500 600 700mm



E series Ceiling Mounted 360° Blindspot-free SCARA Robot

The E series adopts a ceiling design and a rotating arm axis to achieve a 360° working area without blind spots, saving space and reducing cycle time to improve production efficiency.

E4 P.56

Payload Rated 1kg/Maximum 4kg
Arm length 400 550mm



E10 P.60

Payload Rated 5kg/Maximum 10kg
Arm length 550mm



D series Dual-arm Suspended SCARA Robot

The D series is based on the E series and combined with practical application scenarios, innovatively develops dual-arm collaborative work. Enhancing equipment efficiency, saving space, optimizing the structure, and making the equipment more compact and miniaturized.

D4 P.62

Payload Rated 1kg/Maximum 4kg
Arm length 400mm



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CE series /CP series End Effector Integrated SCARA Robot

The CE/CP series is developed by engineers who have a deep understanding of application scenarios, combining automation experience and technology to develop an integrated end effector SCARA robot. The compact and integrated design significantly improves the design efficiency of mechanical engineers, reducing product time-to-market and making your equipment more competitive.

CE P.64

Payload Rated 5kg/Maximum10kg
Arm length 600mm



CP P.66

Payload Rated 5kg/Maximum10kg
Arm length 650mm



S series Compact 6-Axis Robot

Six-axis industrial robot, covering application areas such as handling and palletizing, laser processing, loading and unloading, welding, cutting, grinding and polishing, gluing, assembly, and labeling.

S4-475A P.68

Payload Maximum 4kg
Maximum Motion Range 475mm



S7-707A P.70

Payload Maximum 7kg
Maximum Motion Range 707mm



S7-906A P.72

Payload Maximum 7kg
Maximum Motion Range 906mm



S10-1206A P.74

Payload Maximum 10kg
Maximum Motion Range1206mm



SP series Screw-locking Industrial Robot

SP3-4000/SP3-4010 P.76

Payload Rated 1kg/Maximum 3kg
Arm length 400mm



SP6-6010 P.80

Payload Rated 2kg/Maximum 6kg
Arm length 600mm



SP10-5000/SP10-5010 P.82

Payload Rated 5kg/Maximum10kg
Arm length 500mm



SP10-6000/SP10-6010 P.86

Payload Rated 5kg/Maximum10kg
Arm length 600mm



SP10-7000/SP10-7010 P.90

Payload Rated 5kg/Maximum 10kg
Arm length 700mm



Screw-locking Industrial Robot / Integrated Drive and Control Controller / Teach Pendant

SP40-8000/SP40-8020 P.94

Payload Rated 20kg/Maximum 40kg
Arm length 800mm



SP40-9000/SP40-9020 P.98

Payload Rated 20kg/Maximum 40kg
Arm length 900mm



P40-1000/SP40-1002 P.102

Payload Rated 20kg/Maximum 40kg
Arm length 1000mm



MCS P.106



TFT LED P.108



P3 series

Scara Robot

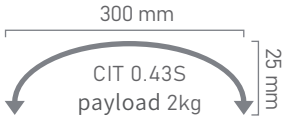


Model P3-401S

Operating range　Arm length400mm　Joint#3 stroke150mm

Payload　Rated 1kg/Maximum 3kg

Standard cycle time　0.43 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.01mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	6000mm/s		1100mm/s	2600°/s
MAX Motion Range	±132°	±141°	150mm	±360°
Motor Power Consumption	400W	100W	100W	100W
Joint#3 down force			100N	
Weight	16kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*1，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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P3 series

Scara Robot



Model **P3-401S**

Operating range　Arm length400mm　Joint#3 stroke150mm

Payload　Rated 1kg/Maximum 3kg

Standard cycle time　0.43 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical)
with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.01mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

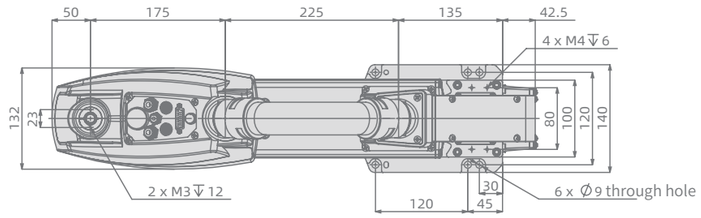
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	6000mm/s		1100mm/s	2600°/s
MAX Motion Range	±132°	±141°	150mm	±360°
Motor Power Consumption	400W	100W	100W	100W
Joint#3 down force			100N	
Weight	16kg（cables not included）			

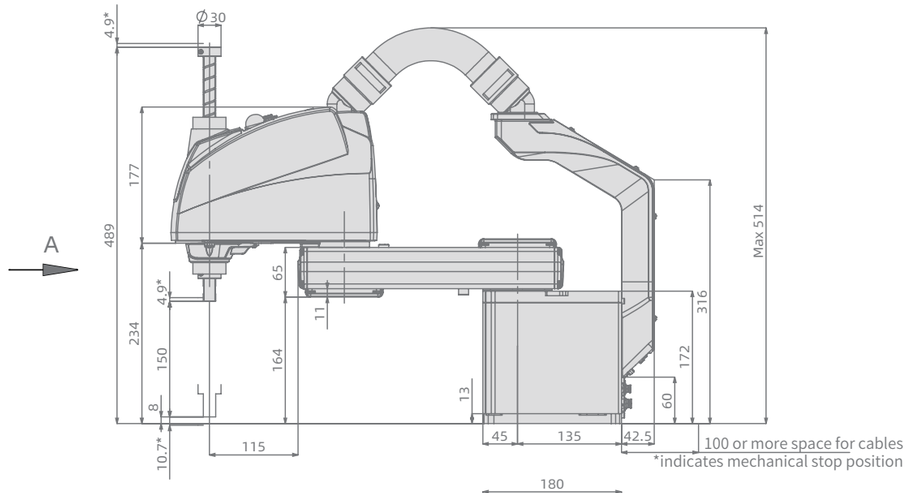
Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

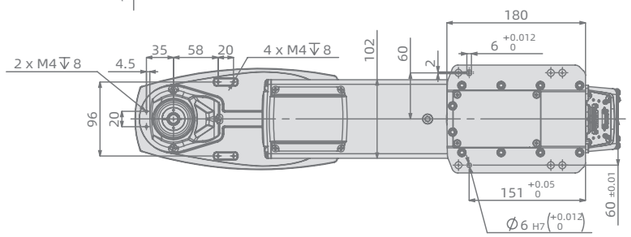
Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*1，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

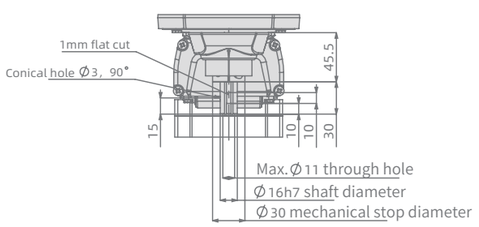
Outer Dimensions and Motion Range

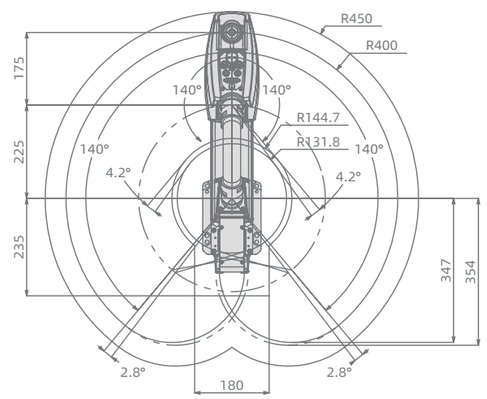






Detailed view from A





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P6 series

Scara Robot

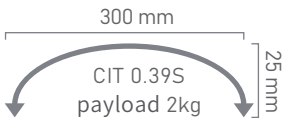


Model **P6-502S**

Operating range　Arm length500mm　Joint#3 stroke200mm

Payload　Rated 2kg/Maximum 6kg

Repeatability　0.39sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	6150 mm/s		1100mm/s	2000°/s
MAX Motion Range	±132°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	19kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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P6 series

Scara Robot

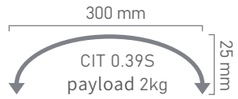


Model **P6-502S**

Operating range　Arm length500mm　Joint#3 stroke200mm

Payload　Rated 2kg/Maximum 6kg

Repeatability　0.39sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical)
with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

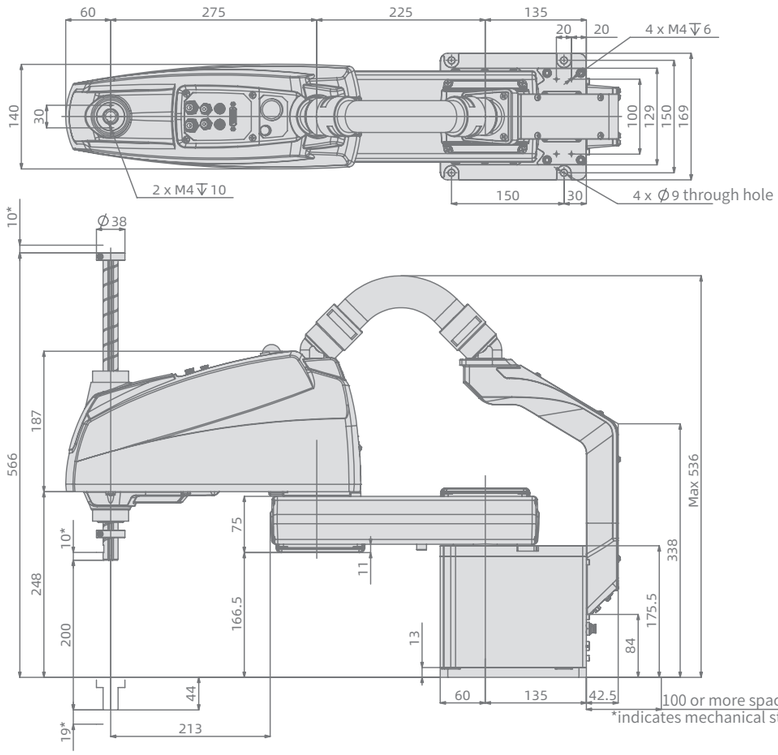
Joint / Content	#1	#2	#3	#4
MAX Operating Speed	6150 mm/s		1100mm/s	2000°/s
MAX Motion Range	±132°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	19kg（cables not included）			

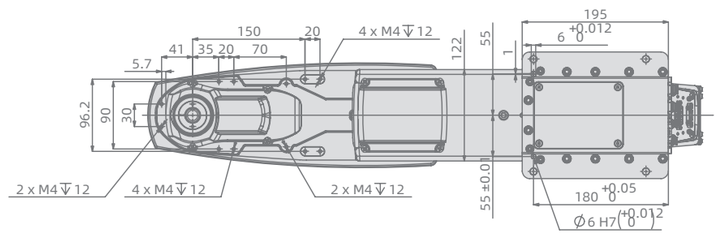
Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

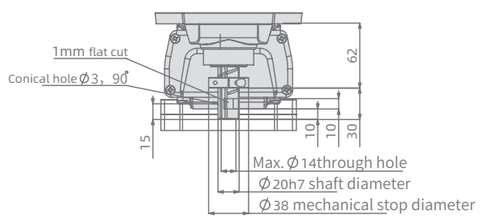
Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

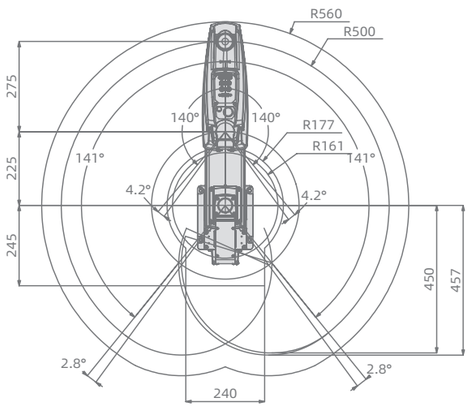
Outer Dimensions and Motion Range





Detailed view from A





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P6 series

Scara Robot



Model P6-602S

Operating range　Arm length600mm　Joint#3 stroke200mm

Payload　Rated 2kg/Maximum 6kg

Standard cycle time　0.4 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	6800mm/s		1100mm/s	2000°/s
MAX Motion Range	±132°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	20kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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P6 series

Scara Robot



Model **P6-602S**

Operating range　Arm length600mm　Joint#3 stroke200mm

Payload　Rated 2kg/Maximum 6kg

Standard cycle time　0.4 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

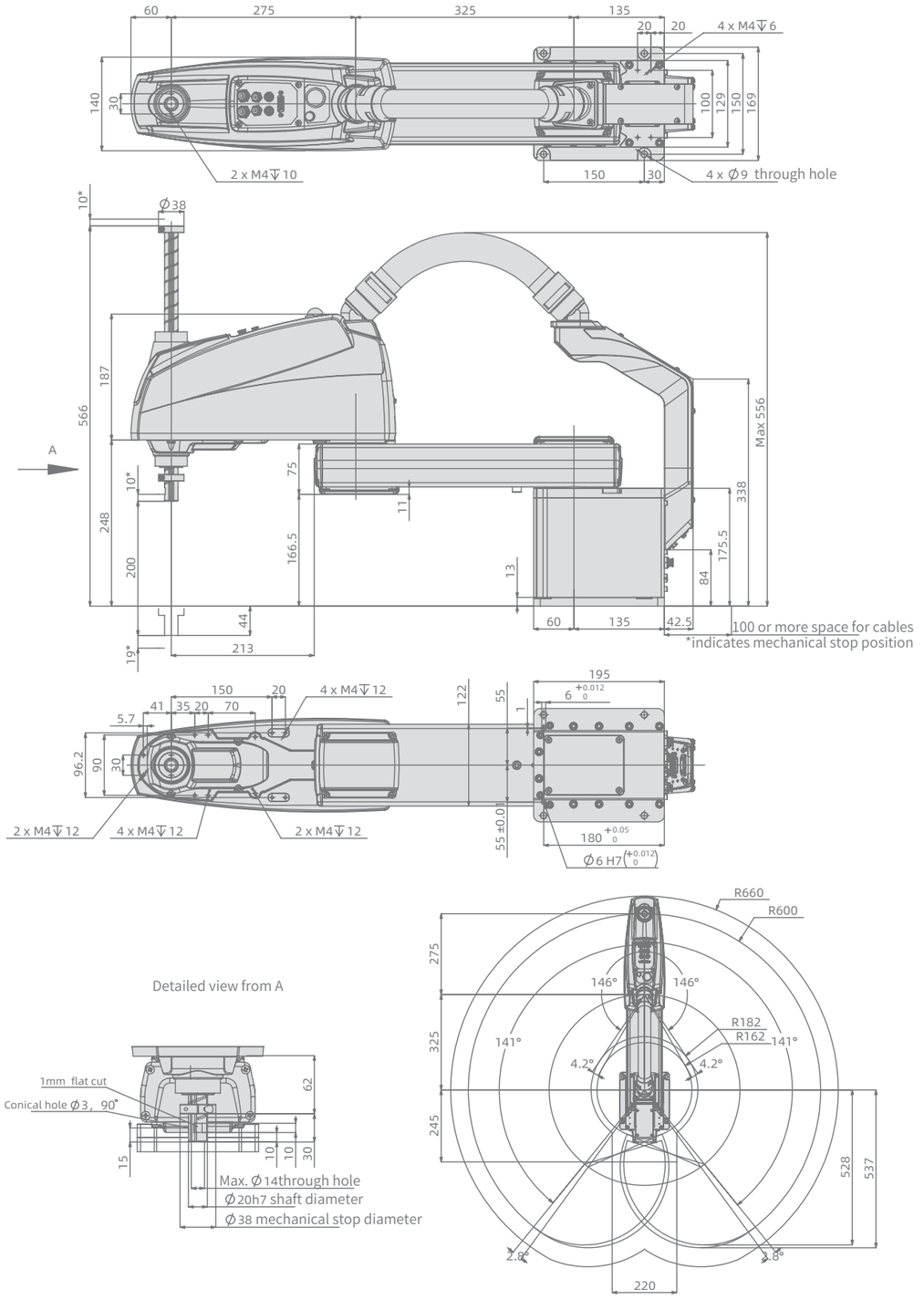
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	6800mm/s		1100mm/s	2000°/s
MAX Motion Range	±132°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	20kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range



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P6 series

Scara Robot

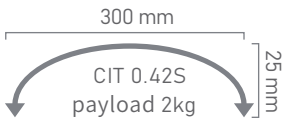


Model **P6-702S**

Operating range　Arm length700mm　Joint#3 stroke200mm

Payload　Rated 2kg/Maximum 6kg

Standard cycle time　0.42 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	7450 mm/s		1100 mm/s	2000° /s
MAX Motion Range	±132°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	21kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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P6 series

Scara Robot

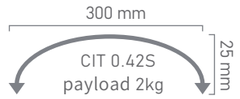


Model **P6-702S**

Operating range　Arm length700mm　Joint#3 stroke200mm

Payload　Rated 2kg/Maximum 6kg

Standard cycle time　0.42 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical)
with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

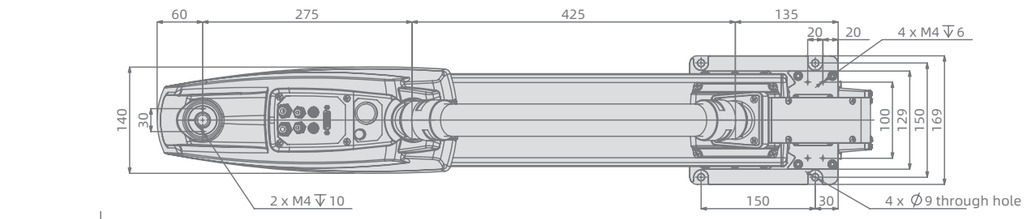
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	7450 mm/s		1100 mm/s	2000° /s
MAX Motion Range	±132°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	21kg（cables not included）			

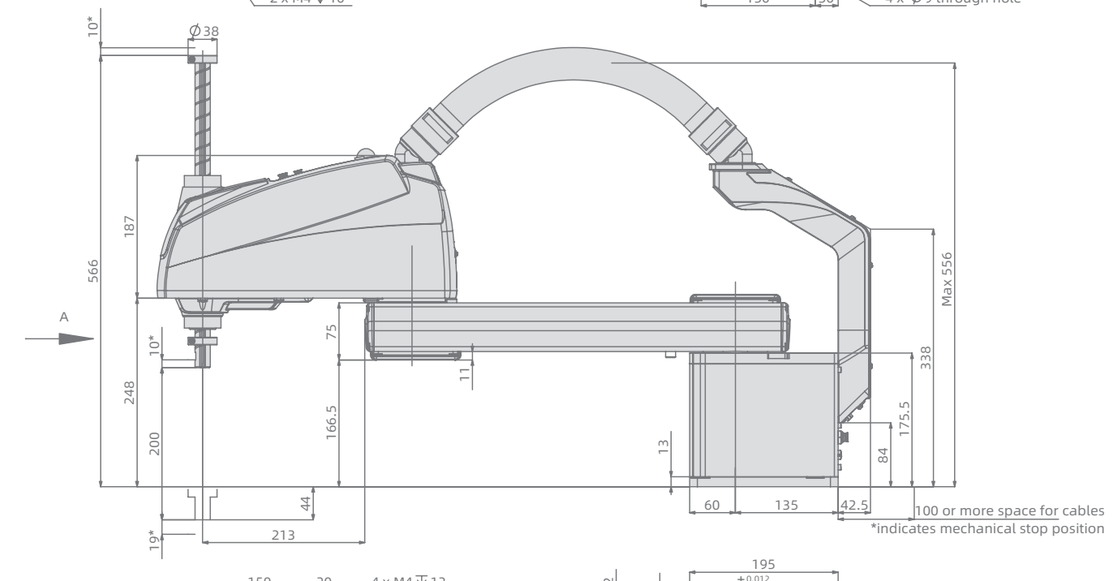
Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

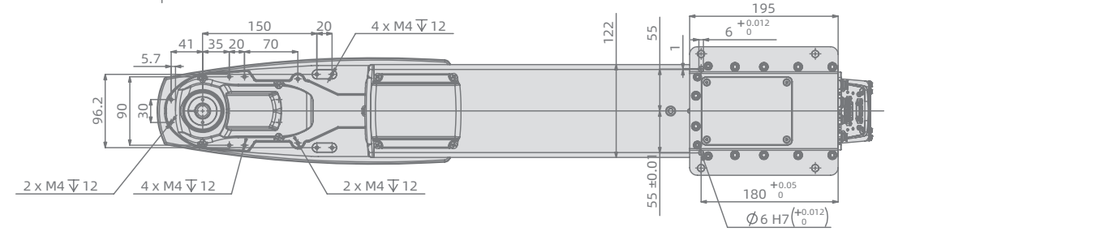
Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

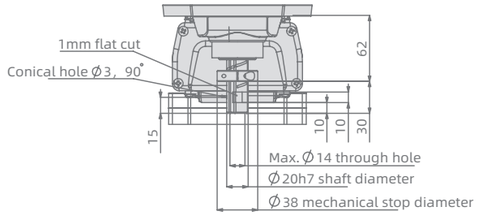
Outer Dimensions and Motion Range

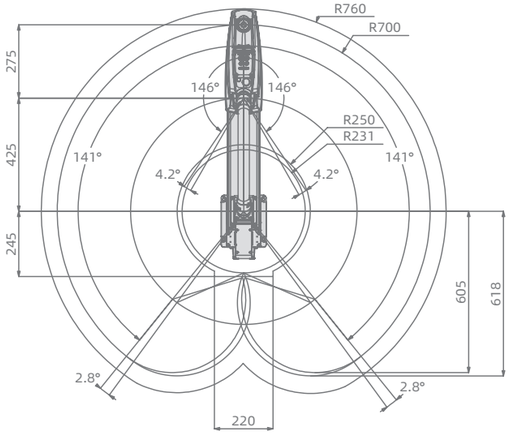






Detailed view from A





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P10 series

Scara Robot

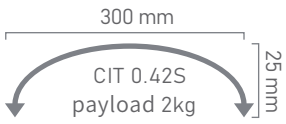


Model P10-602S / P10-603S

Operating range　Arm length600mm　Joint#3 stroke200/300

Payload　Rated 5kg/Maximum 10kg

Standard cycle time　0.42 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	9100 mm/s		1098mm/s	1581° /s
MAX Motion Range	±132°	±150°	200mm 300mm	±360°
Motor Power Consumption	750W	750W	400W	400W
Joint#3 down force			200N	
Weight	30kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.02kg·m², maximum 0.3kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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P10 series

Scara Robot

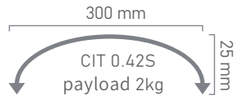


Model **P10-602S / P10-603S**

Operating range　Arm length600mm　Joint#3 stroke200/300mm

Payload　Rated 5kg/Maximum 10kg

Standard cycle time　0.42 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical)
with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

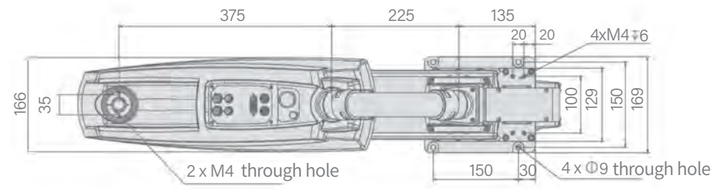
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	9100 mm/s		1098 mm/s	1581° /s
MAX Motion Range	±132°	±150°	200mm 300mm	±360°
Motor Power Consumption	750W	750W	400W	400W
Joint#3 down force			200N	
Weight	30kg（cables not included）			

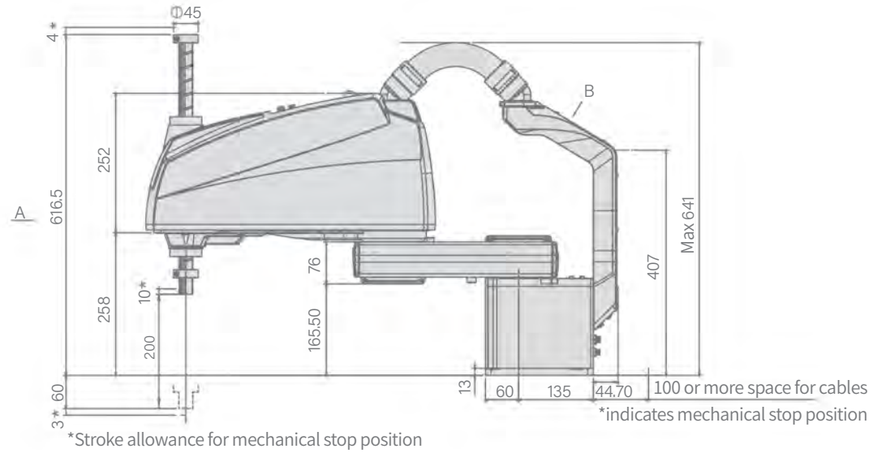
Joint #4 allowable moment of inertia，rate 0.02kg·m², maximum 0.3kg·m²

Electrical parameters

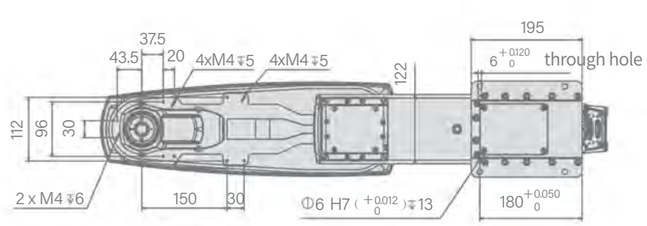
Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range

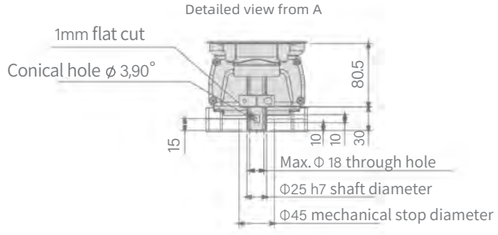




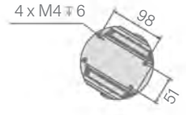
*Stroke allowance for mechanical stop position

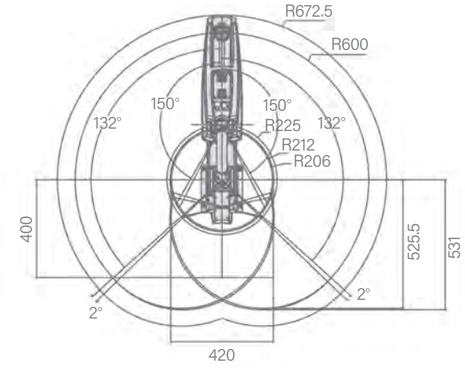


Detailed view from A



Detailed view from B





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P10 series

Scara Robot

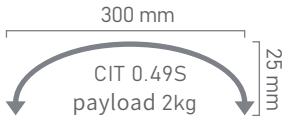


Model **P10-702S / P10-703S**

Operating range　Arm length700mm　Joint#3 stroke200/300

Payload　Rated5kg/Maximum10kg

Standard cycle time　0.49 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	9800mm/s		1098mm/s	1580° /s
MAX Motion Range	±132°	±150°	200mm 300mm	±360°
Motor Power Consumption	750W	750W	400W	400W
Joint#3 down force			200N	
Weight	31kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.02kg·m², maximum 0.3kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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Model **P10-702S / P10-703S**

Operating range　Arm length700mm　Joint#3 stroke200/300mm

Payload　Rated5kg/Maximum10kg

Standard cycle time　0.49 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

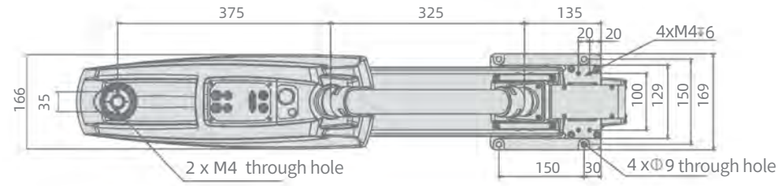
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	9800mm/s		1098mm/s	1580° /s
MAX Motion Range	±132°	±150°	200mm 300mm	±360°
Motor Power Consumption	750W	750W	400W	400W
Joint#3 down force			200N	
Weight	31kg（cables not included）			

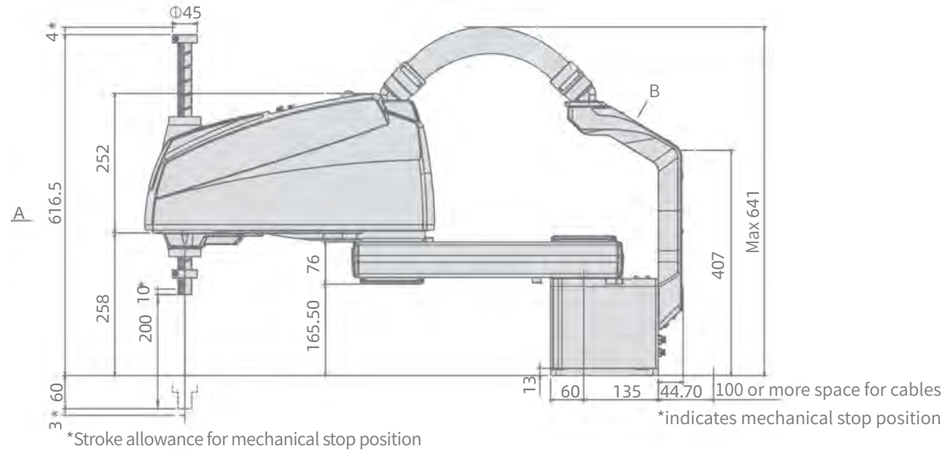
Joint #4 allowable moment of inertia，rate 0.02kg·m², maximum 0.3kg·m²

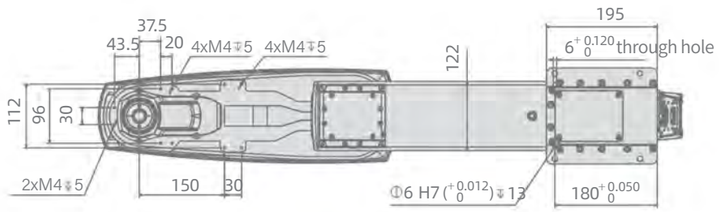
Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

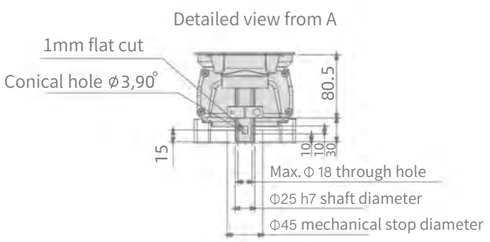
Outer Dimensions and Motion Range



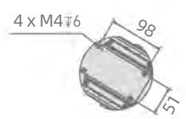


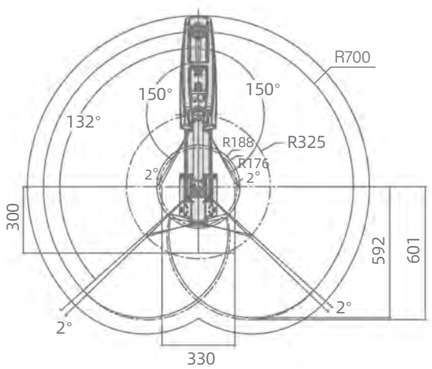


Detailed view from A



Detailed view from B





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P10 series

Scara Robot

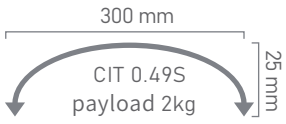


Model P10-802S / P10-803S

Operating range　Arm length800mm　Joint#3 stroke200/300

Payload　Rated5kg/Maximum10kg

Standard cycle time　0.49 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Joint / Content	#1	#2	#3	#4
MAX Operating Speed	10600 mm/s		1098mm/s	1581° /s
MAX Motion Range	±132°	±152°	200mm 300mm	±360°
Motor Power Consumption	750W	750W	400W	400W
Joint#3 down force			200N	
Weight	32kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.02kg·m², maximum 0.3kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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P10 series

Scara Robot

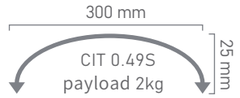


Model **P10-802S / P10-803S**

Operating range　Arm length800mm　Joint#3 stroke200/300mm

Payload　Rated5kg/Maximum10kg

Standard cycle time　0.49 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical)
with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

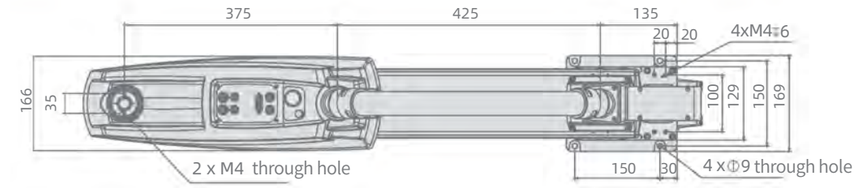
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	10600 mm/s		1098mm/s	1581° /s
MAX Motion Range	±132°	±152°	200mm 300mm	±360°
Motor Power Consumption	750W	750W	400W	400W
Joint#3 down force			200N	
Weight	32kg（cables not included）			

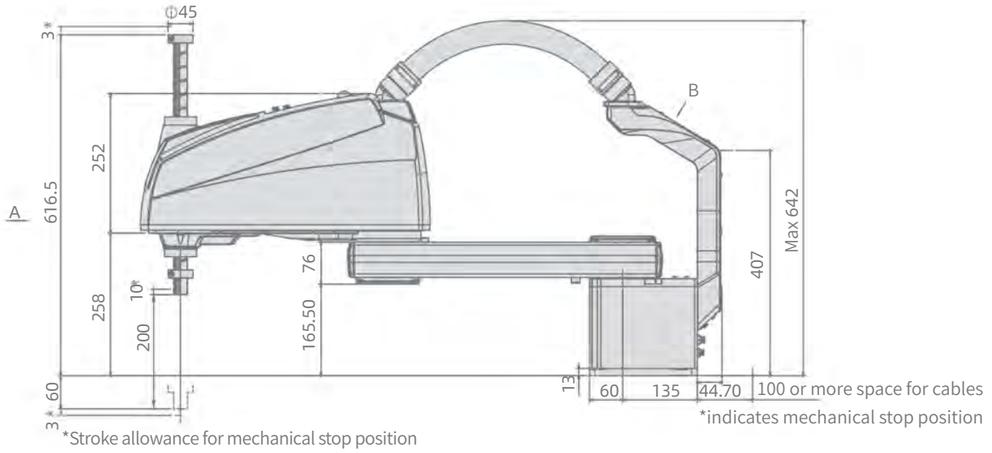
Joint #4 allowable moment of inertia，rate 0.02kg·m², maximum 0.3kg·m²

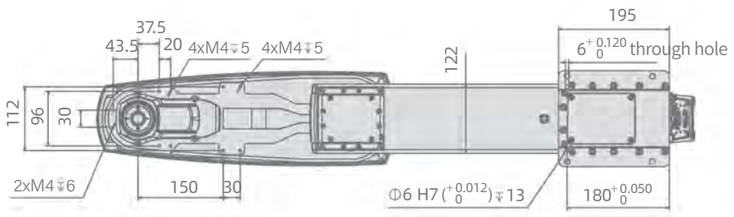
Electrical parameters

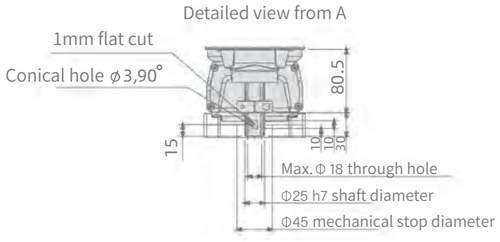
Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

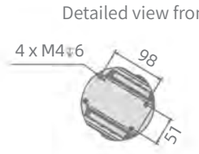
Outer Dimensions and Motion Range

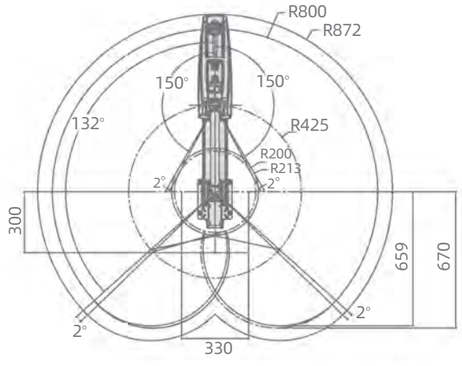












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P20 series

Scara Robot

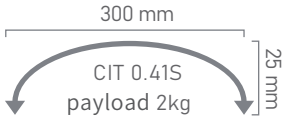


Model P20-804S

Operating range Arm length800mm Joint#3 stroke420mm

Payload Rated 10kg/Maximum 20kg

Standard cycle time 0.41 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability ±0.025mm Joint #1,#2 ±0.01mm Joint #3 ±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	9485mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	49kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network inte
Installation Environment	Standerd/Clean（Customiz

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P20 series

Scara Robot



Model **P20-804S**

Operating range　Arm length800mm　Joint#3 stroke420mm

Payload　Rated 10kg/Maximum 20kg

Standard cycle time　0.41 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical)
with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

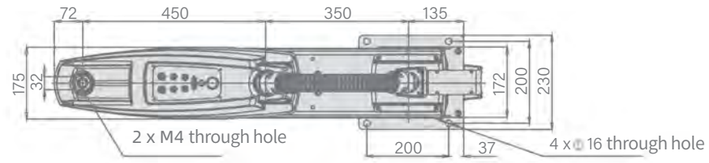
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	9485mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	49kg（cables not included）			

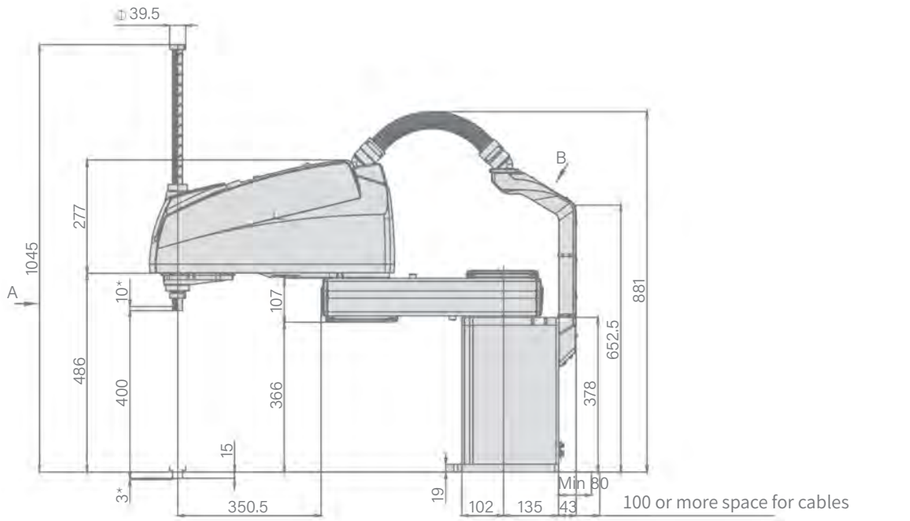
Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

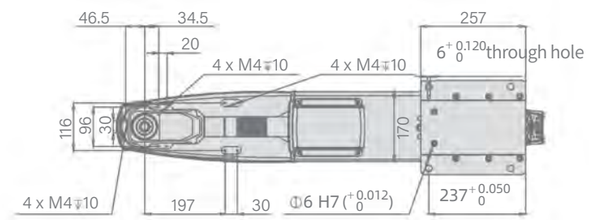
Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

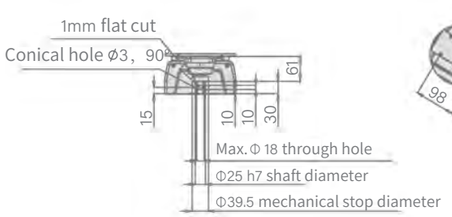
Outer Dimensions and Motion Range



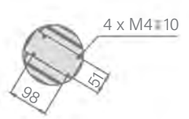


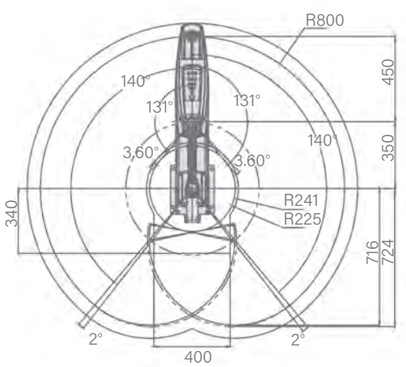


Detailed view from A



Detailed view from B





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P20 series

Scara Robot

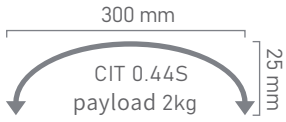


Model **P20-904S**

Operating range　Arm length900mm　Joint#3 stroke420mm

Payload　Rated10kg/Maximum20kg

Standard cycle time　0.44 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	10244 mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	52kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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P20 series

Scara Robot

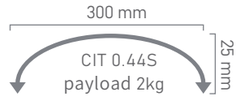


Model **P20-904S**

Operating range　Arm length900mm　Joint#3 stroke420mm

Payload　Rated10kg/Maximum20kg

Standard cycle time　0.44 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical)
with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm (Joint #1,#2)　±0.01mm (Joint #3)　±0.01° (Joint #4)

Parameters of each axis

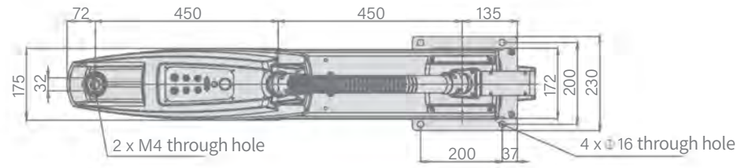
Joint / Content	#1	#2	#3	#4
MAX Operating Speed	10244 mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	52kg（cables not included）			

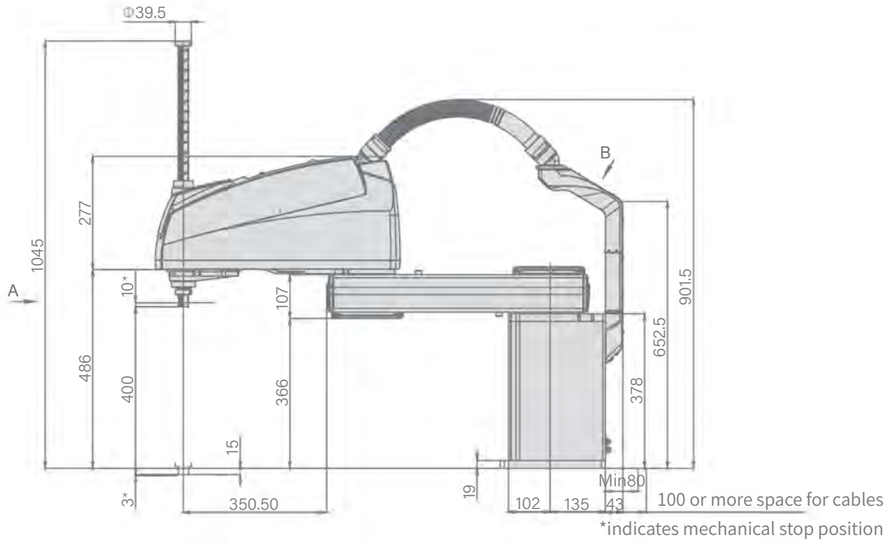
Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

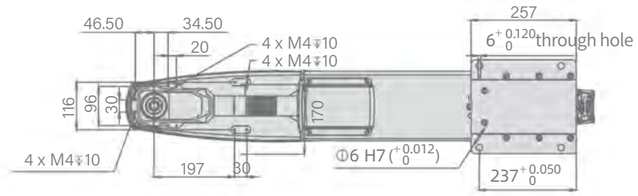
Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

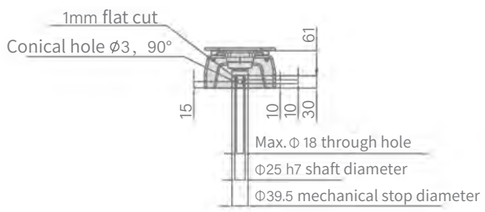
Outer Dimensions and Motion Range



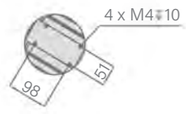


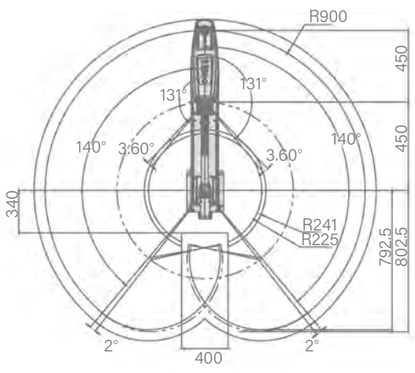


Detailed view from A



Detailed view from B





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P20 series

Scara Robot

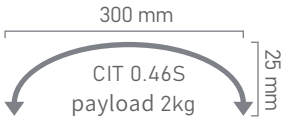


Model P20-1004S

Operating range　Arm length1000mm　Joint#3 stroke420mm

Payload　Rated10kg/Maximum20kg

Standard cycle time　0.46 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Joint / Content	#1	#2	#3	#4
MAX Operating Speed	11003mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	55kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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P20 series

Scara Robot



Model **P20-1004S**

Operating range　Arm length1000mm　Joint#3 stroke420mm

Payload　Rated10kg/Maximum20kg

Standard cycle time　0.46 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical)
with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm (Joint #1,#2)　±0.01mm (Joint #3)　±0.01° (Joint #4)

Parameters of each axis

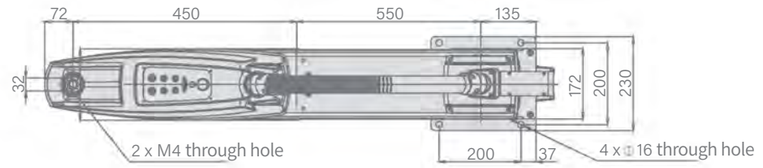
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	11003mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	55kg（cables not included）			

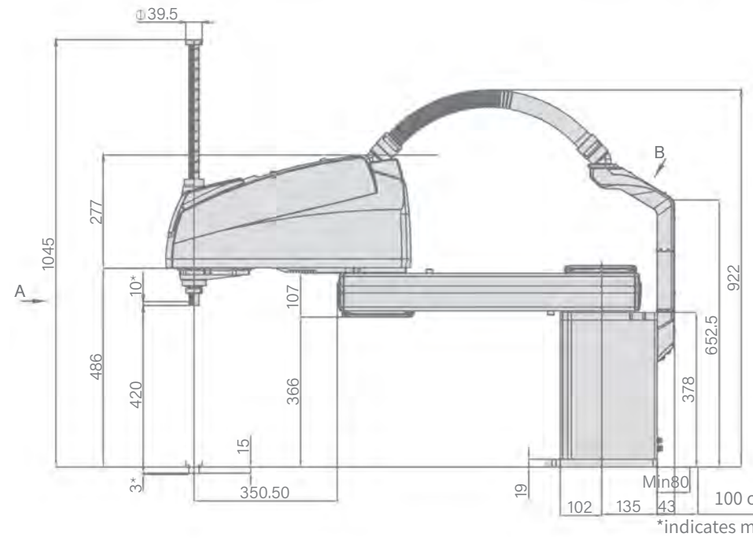
Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

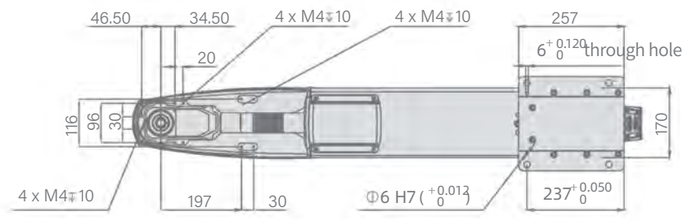
Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

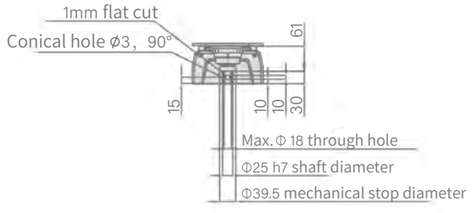
Outer Dimensions and Motion Range



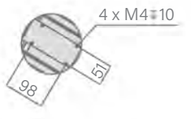


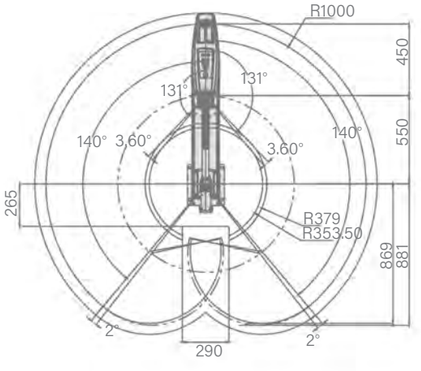


Detailed view from A



Detailed view from B





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P40 series

Scara Robot

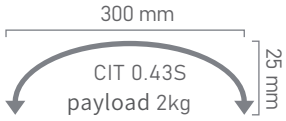


Model P40-804S

Operating range　Arm length800mm　Joint#3 stroke420mm

Payload　Rated 20kg/Maximum 40kg

Standard cycle time　0.43 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	8271 mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	49kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network inte
Installation Environment	Standerd/Clean（Customiz

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P40 series

Scara Robot



Model **P40-804S**

Operating range　Arm length800mm　Joint#3 stroke420mm

Payload　Rated 20kg/Maximum 40kg

Standard cycle time　0.43 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical)
with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

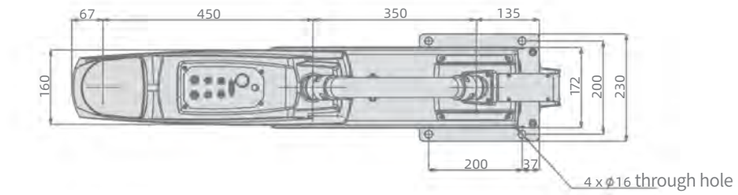
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	8271 mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	49kg（cables not included）			

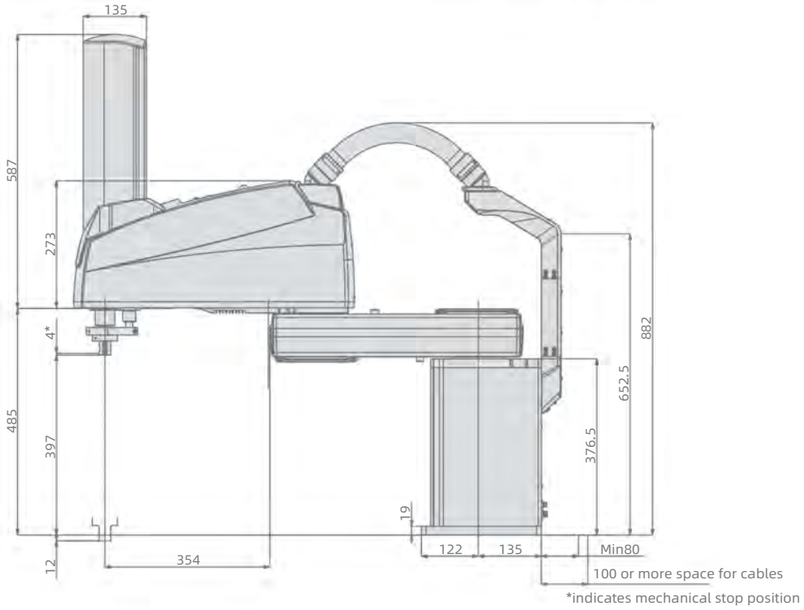
Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

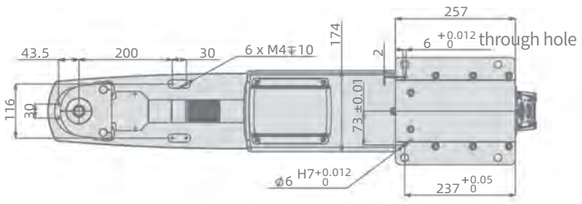
Electrical parameters

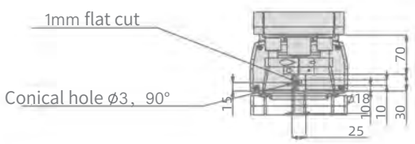
Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

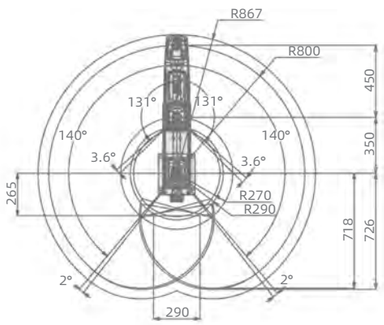
Outer Dimensions and Motion Range











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P40 series

Scara Robot

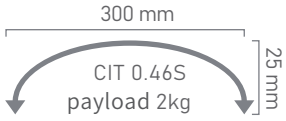


Model **P40-904S**

Operating range　Arm length900mm　Joint#3 stroke420mm

Payload　Rated 20kg/Maximum 40kg

Standard cycle time　0.46 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	8878 mm/s		2020 mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	52kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network inte
Installation Environment	Standerd/Clean（Customiz

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P40 series

Scara Robot



Model **P40-904S**

Operating range　Arm length900mm　Joint#3 stroke420mm

Payload　Rated 20kg/Maximum 40kg

Standard cycle time　0.46 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

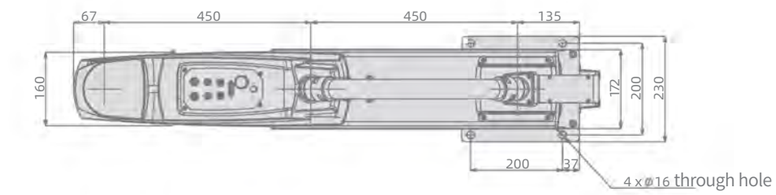
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	8878 mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	52kg（cables not included）			

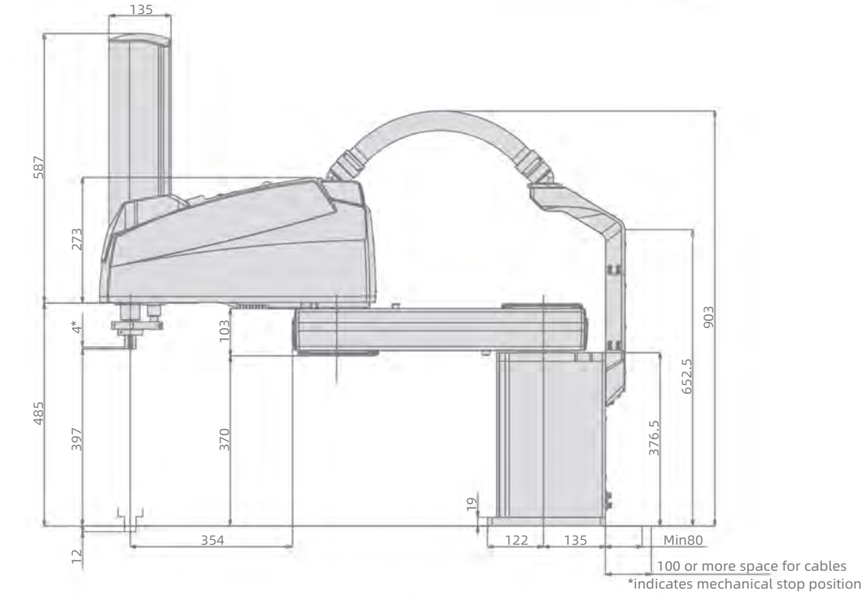
Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

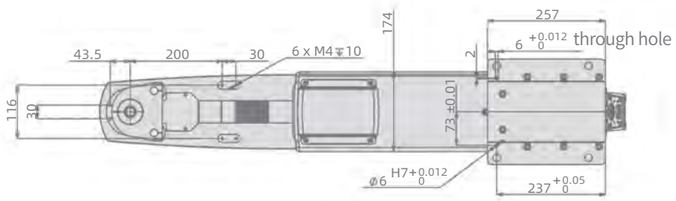
Electrical parameters

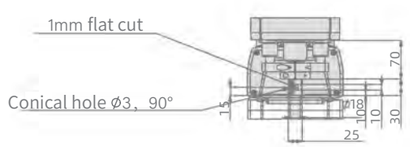
Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

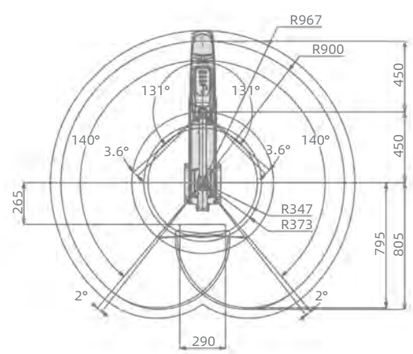
Outer Dimensions and Motion Range











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P40 series

Scara Robot

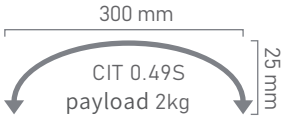


Model P40-1004S

Operating range Arm length1000mm Joint#3 stroke420mm

Payload Rated 20kg/Maximum 40kg

Standard cycle time 0.49 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability ±0.025mm Joint #1,#2 ±0.01mm Joint #3 ±0.01° Joint #4

Parameters of each axis

Joint / Content	#1	#2	#3	#4
MAX Operating Speed	9485mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	55kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network int
Installation Environment	Standerd/Clean（Customi

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P40 series

Scara Robot



Model **P40-1004S**

Operating range　Arm length1000mm　Joint#3 stroke420mm

Payload　Rated 20kg/Maximum 40kg

Standard cycle time　0.49 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

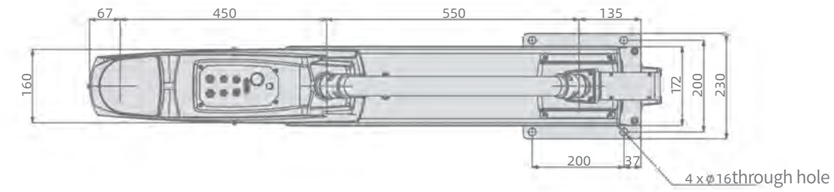
Joint / Content	#1	#2	#3	#4
MAX Operating Speed	9485mm/s		2020mm/s	1400°/s
MAX Motion Range	±131°	±150°	420mm	±360°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	55kg（cables not included）			

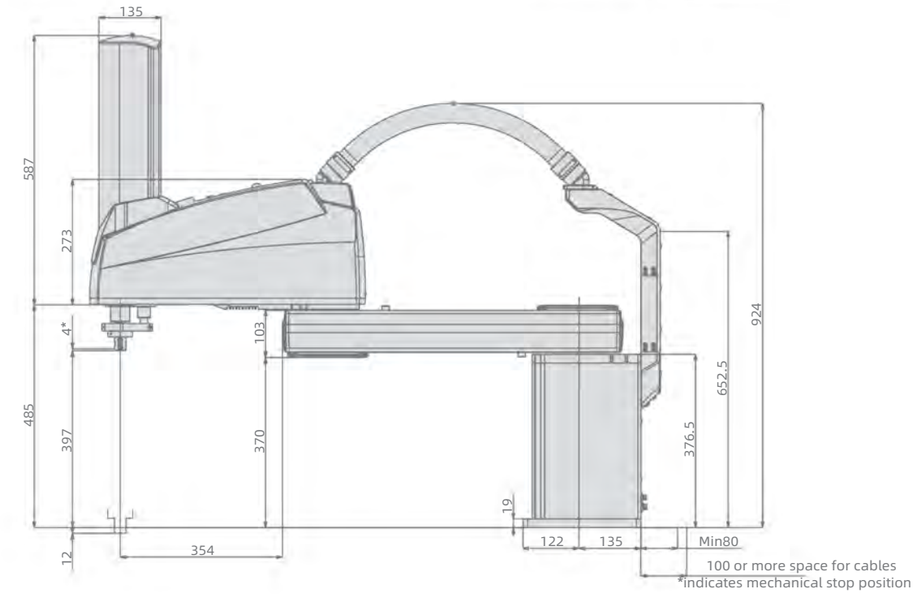
Joint #4 allowable moment of inertia，rate 0.05kg·m², maximum 0.45kg·m²

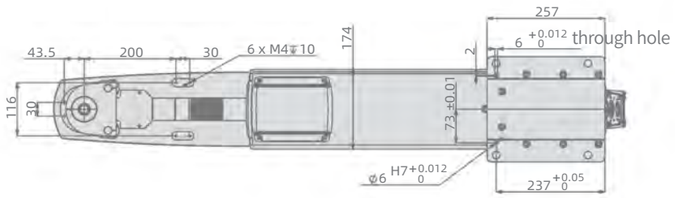
Electrical parameters

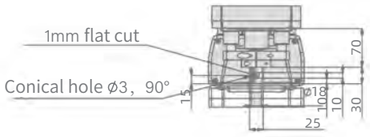
Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

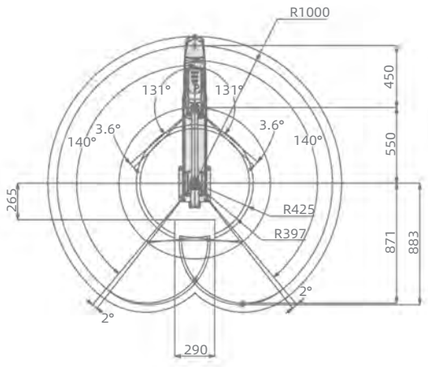
Outer Dimensions and Motion Range











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P60 series

Scara Robot

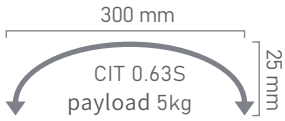


Model P60-1204S

Operating range　Arm length1200mm　Joint#3 stroke400mm

Payload　Rated 60kg/Maximum 100kg

Standard cycle time　0.63 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 5kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.05mm Joint #1,#2　±0.02mm Joint #3　±0.005° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	7400 mm/s		750 mm/s	600° /s
MAX Motion Range	±125°	±150°	400mm	±180°
Motor Power Consumption	2000W	1000W	750W	750W
Weight	124kg（cables not included）			

Joint #4 allowable moment of inertia，rate 2.45kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network int
Installation Environment	Standerd/Clean（Customi

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P60 series

Scara Robot

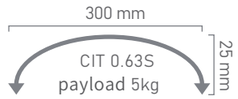


Model **P60-1204S**

Operating range　Arm length1200mm　Joint#3 stroke400mm

Payload　Rated 60kg/Maximum 100kg

Standard cycle time　0.63 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 5kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.05mm Joint #1,#2　±0.02mm Joint #3　±0.005° Joint #4

Parameters of each axis

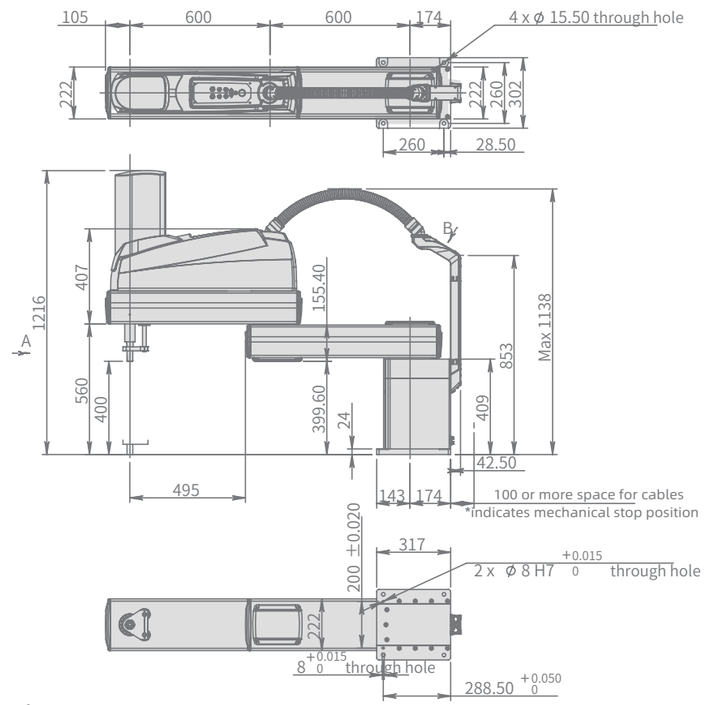
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	7400 mm/s		750 mm/s	600° /s
MAX Motion Range	±125°	±150°	400mm	±180°
Motor Power Consumption	2000W	1000W	750W	750W
Weight	124kg（cables not included）			

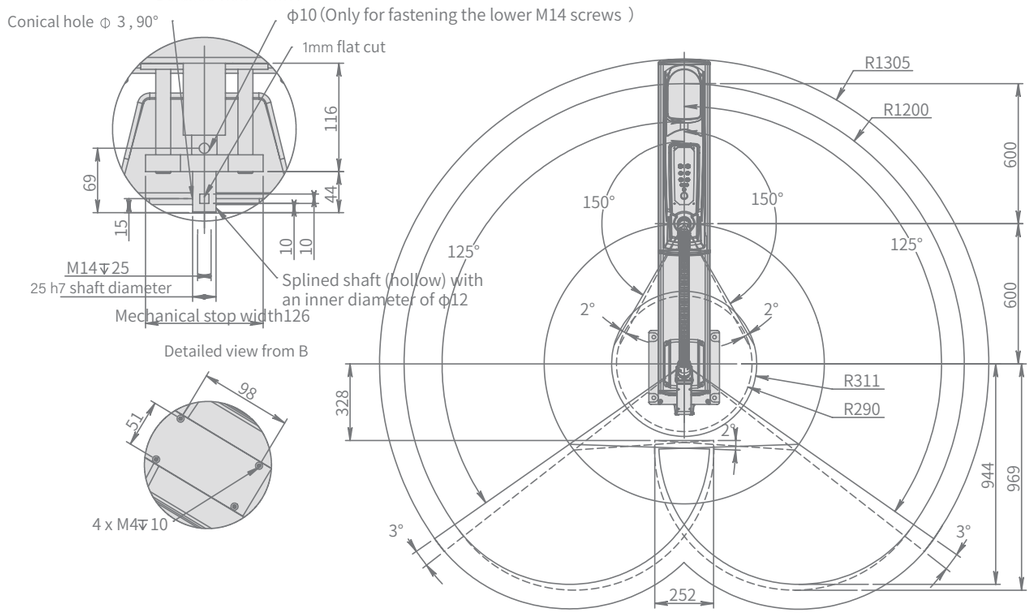
Joint #4 allowable moment of inertia，rate 2.45kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range





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P100 series

Scara Robot

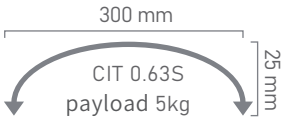


Model P100-1204S

Operating range Arm length1200mm Joint#3 stroke400mm

Payload Rated 60kg/Maximum 100kg

Standard cycle time 0.63 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 5kg payload (path coordinates optimized for maximum speed)

Repeatability ±0.05mm Joint #1,#2 ±0.02mm Joint #3 ±0.005° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	7400 mm/s		750 mm/s	600° /s
MAX Motion Range	±125°	±150°	400mm	±180°
Motor Power Consumption	2000W	1000W	750W	750W
Weight	124kg（cables not included）			

Joint #4 allowable moment of inertia，rate 2.45kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network int
Installation Environment	Standerd/Clean（Customi

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P100 series

Scara Robot

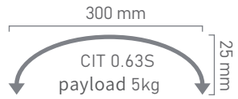


Model **P100-1204S**

Operating range　Arm length1200mm　Joint#3 stroke400mm

Payload　Rated 60kg/Maximum 100kg

Standard cycle time　0.63 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 5kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.05mm Joint #1,#2　±0.02mm Joint #3　±0.005° Joint #4

Parameters of each axis

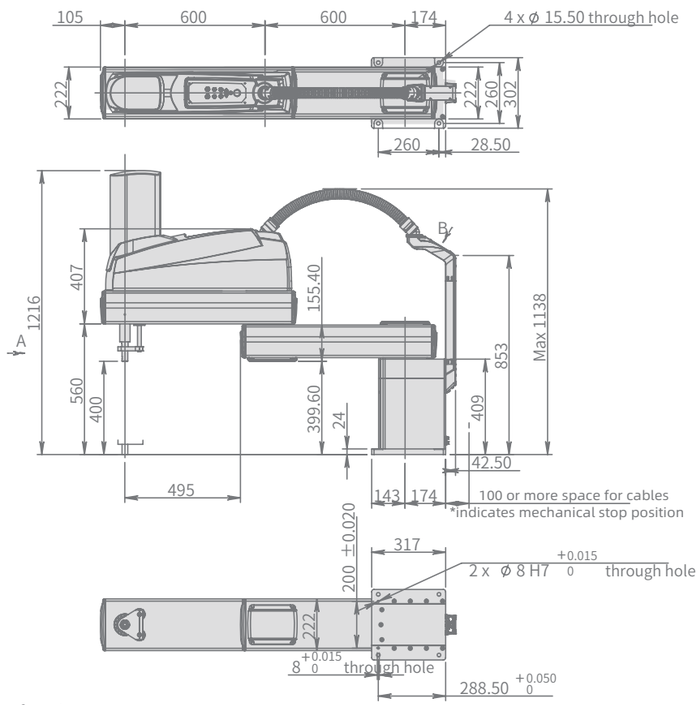
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	7400 mm/s		750 mm/s	600° /s
MAX Motion Range	±125°	±150°	400mm	±180°
Motor Power Consumption	2000W	1000W	750W	750W
Weight	124kg（cables not included）			

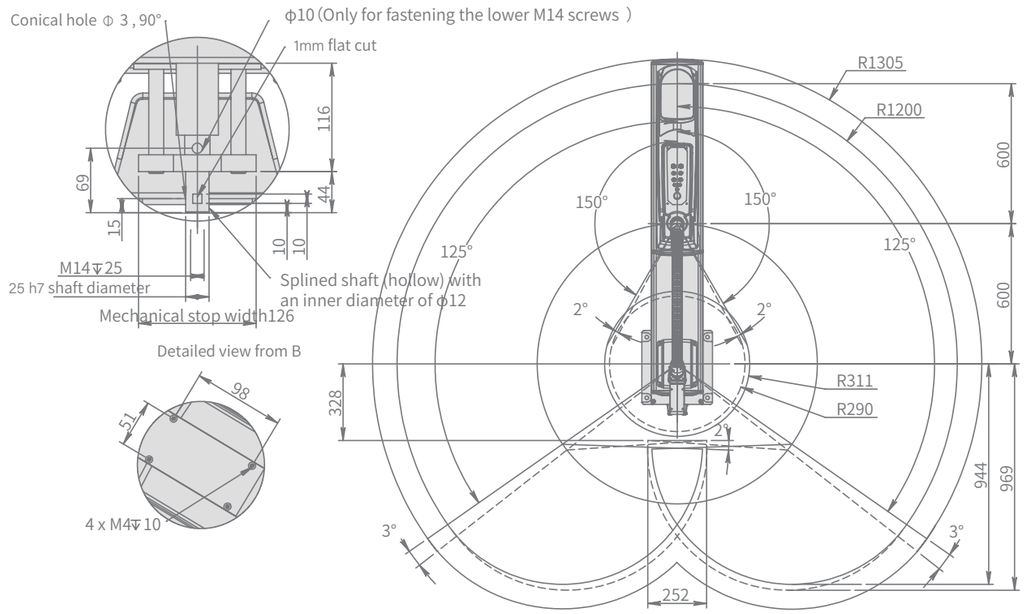
Joint #4 allowable moment of inertia，rate 2.45kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range





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R6 series

Scara Robot

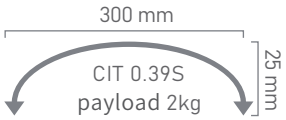


Model **R6-502S**

Operating range Arm length500mm Joint#3 stroke200mm

Payload Rated 2kg/Maximum 6kg

Standard cycle time 0.39 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability

±0.02mm	±0.01mm	±0.01°
Joint #1,#2	Joint #3	Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	6150 mm/s		1100 mm/s	2000°/s
MAX Motion Range	±270°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	19kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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R6 series

Scara Robot



Model **R6-502S**

Operating range　Arm length500mm　Joint#3 stroke200mm

Payload　Rated 2kg/Maximum 6kg

Standard cycle time　0.39 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

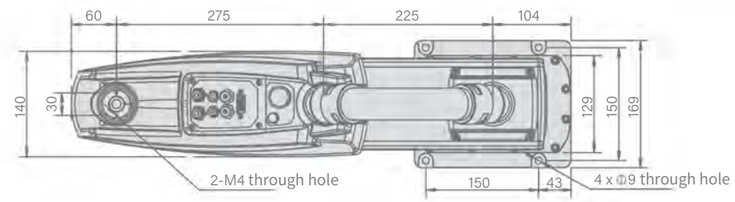
Joint / Content	#1	#2	#3	#4
MAX Operating Speed	6150 mm/s		1100mm/s	2000°/s
MAX Motion Range	±270°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	19kg（cables not included）			

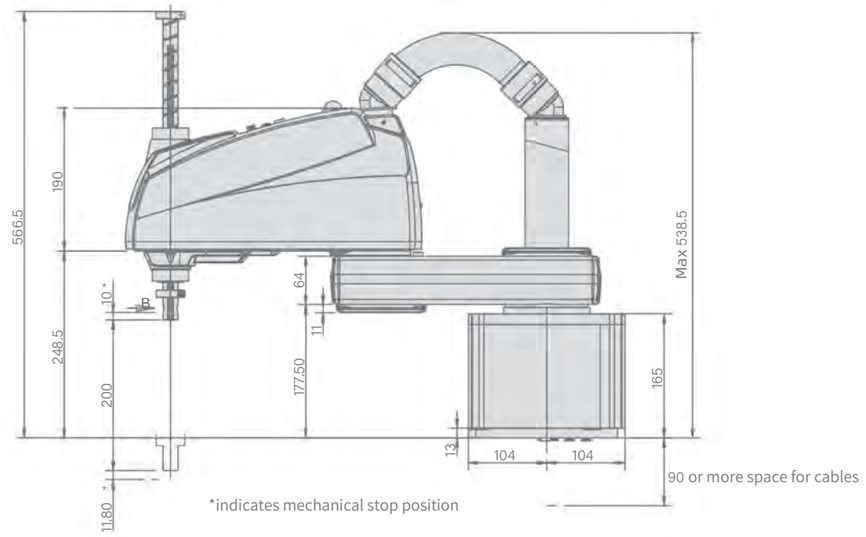
Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

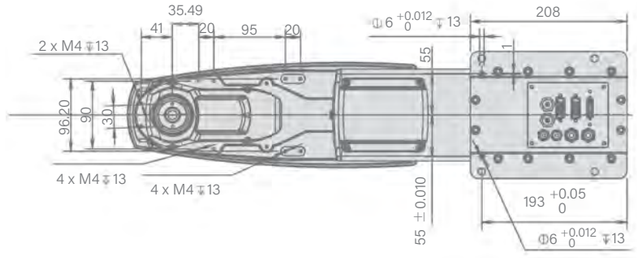
Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range

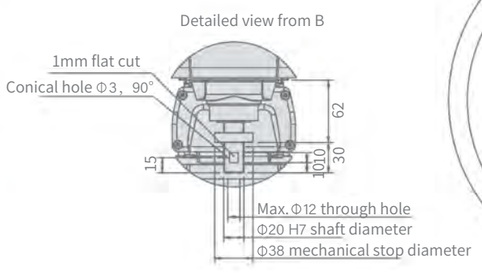


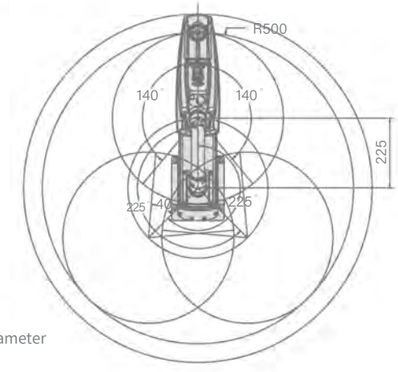




View B







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R6 series

Scara Robot

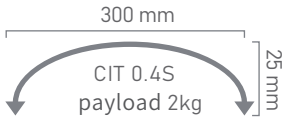


Model **R6-602S**

Operating range Arm length600mm Joint#3 stroke200mm

Payload Rated 2kg/Maximum 6kg

Standard cycle time 0.4 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability

±0.02mm	±0.01mm	±0.01°
Joint #1,#2	Joint #3	Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	6800mm/s		1100mm/s	2000°/s
MAX Motion Range	±270°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	20kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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R6 series

Scara Robot

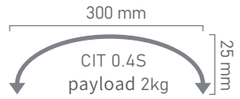


Model **R6-602S**

Operating range Arm length600mm Joint#3 stroke200mm

Payload Rated 2kg/Maximum 6kg

Standard cycle time 0.4 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability ±0.02mm Joint #1,#2 ±0.01mm Joint #3 ±0.01° Joint #4

Parameters of each axis

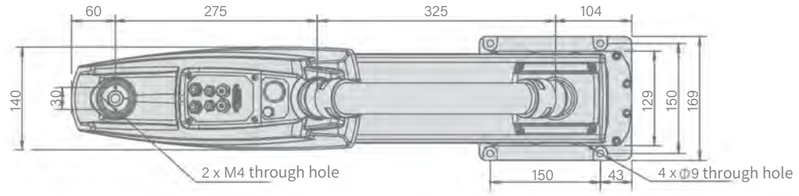
Joint / Content	#1	#2	#3	#4
MAX Operating Speed	6800mm/s		1100mm/s	2000°/s
MAX Motion Range	±270°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	20kg（cables not included）			

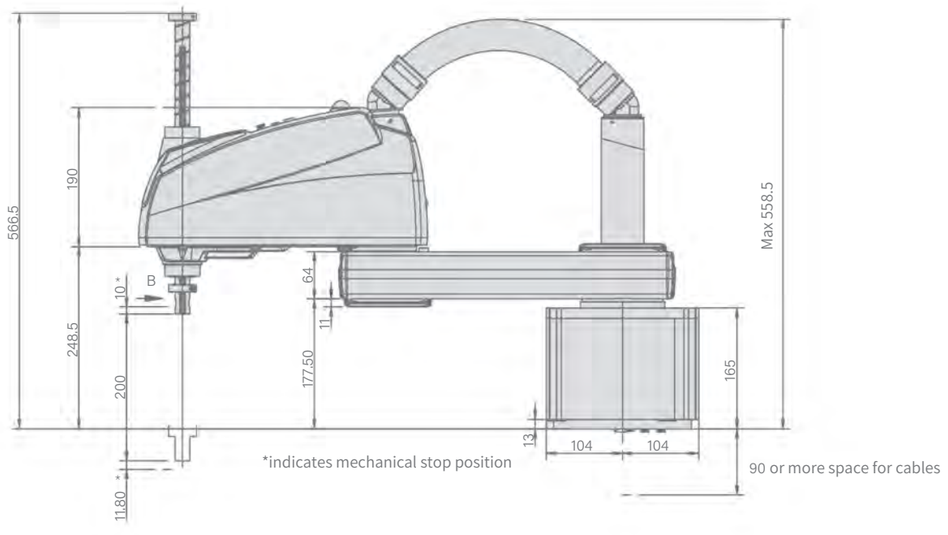
Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

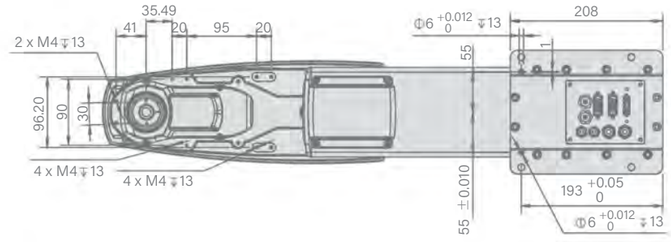
Electrical parameters

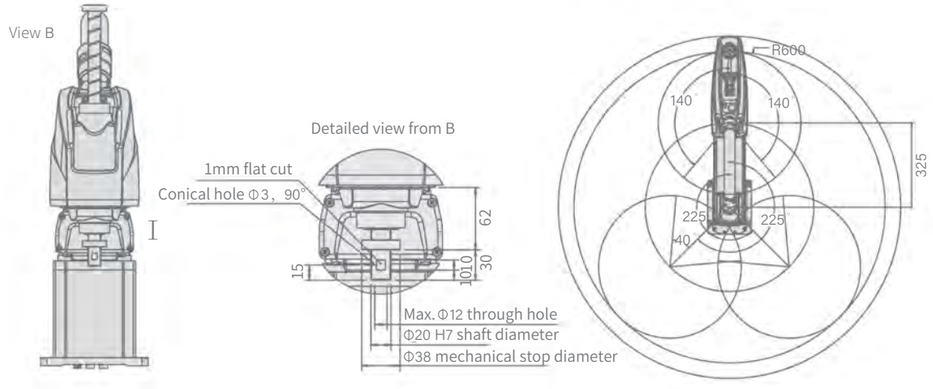
Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range









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R6 series

Scara Robot

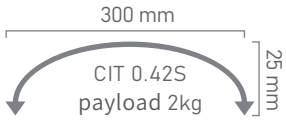


Model **R6-702S**

Operating range Arm length700mm Joint#3 stroke200mm

Payload Rated 2kg/Maximum 6kg

Standard cycle time 0.42 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability ±0.02mm Joint #1,#2 ±0.01mm Joint #3 ±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	7450 mm/s		1100 mm/s	2000°/s
MAX Motion Range	±270°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	21kg (cables not included)			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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R6 series

Scara Robot

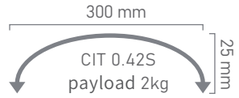


Model **R6-702S**

Operating range　Arm length700mm　Joint#3 stroke200mm

Payload　Rated 2kg/Maximum 6kg

Standard cycle time　0.42 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

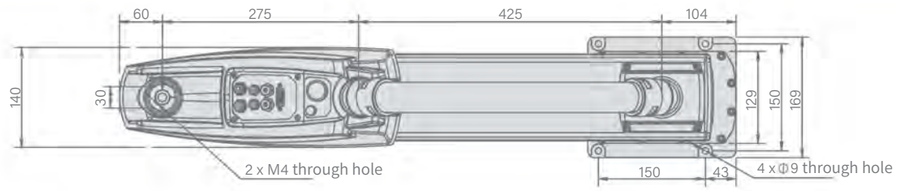
Joint / Content	#1	#2	#3	#4
MAX Operating Speed	7450 mm/s		1100 mm/s	2000°/s
MAX Motion Range	±270°	±150°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	21kg（cables not included）			

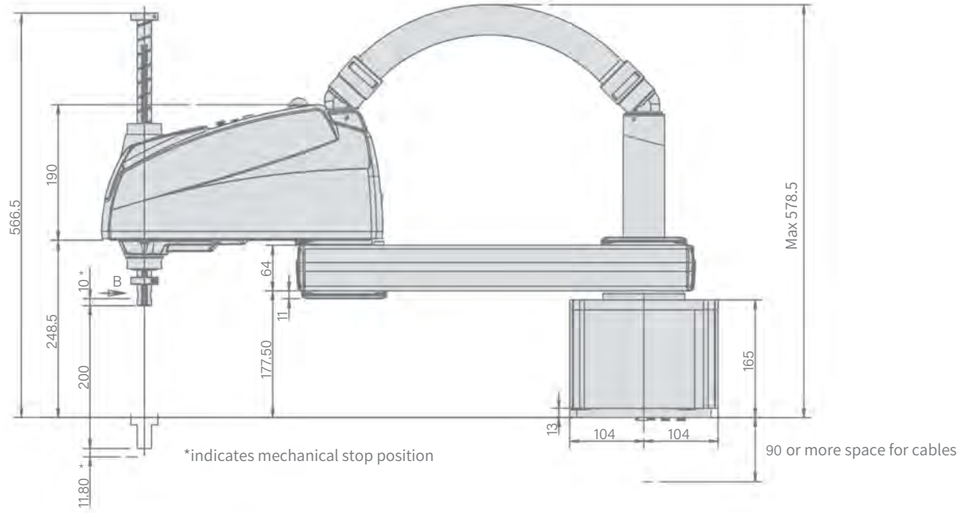
Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

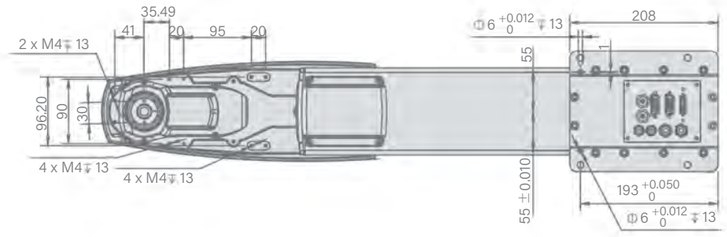
Electrical parameters

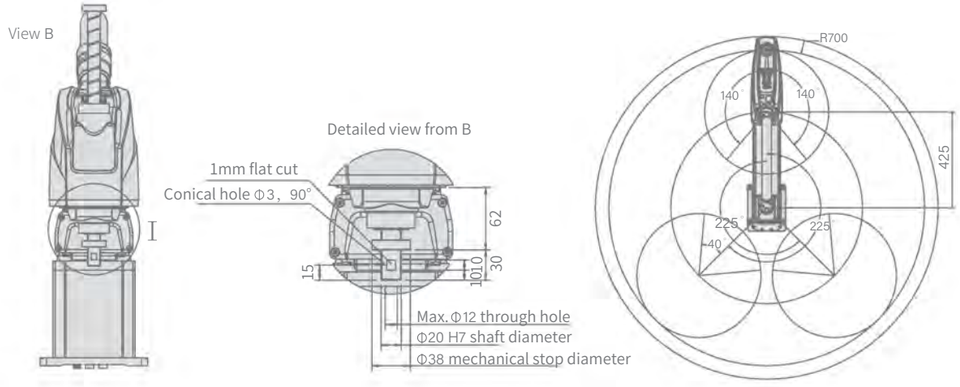
Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range









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W6 series

Scara Robot

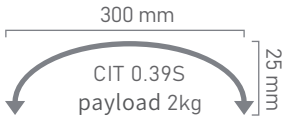


Model W6-502S

Operating range Arm length500mm Joint#3 stroke200mm

Payload Rated 2kg/Maximum 6kg

Standard cycle time 0.39 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability ±0.02mm Joint #1,#2 ±0.01mm Joint #3 ±0.01° Joint #4

Parameters of each axis

Joint / Content	#1	#2	#3	#4
MAX Operating Speed	6150 mm/s		1100 mm/s	2000°/s
MAX Motion Range	±117.2°	±140°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	19kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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W6 series

Scara Robot



Model **W6-502S**

Operating range　Arm length500mm　Joint#3 stroke200mm

Payload　Rated 2kg/Maximum 6kg

Standard cycle time　0.39 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

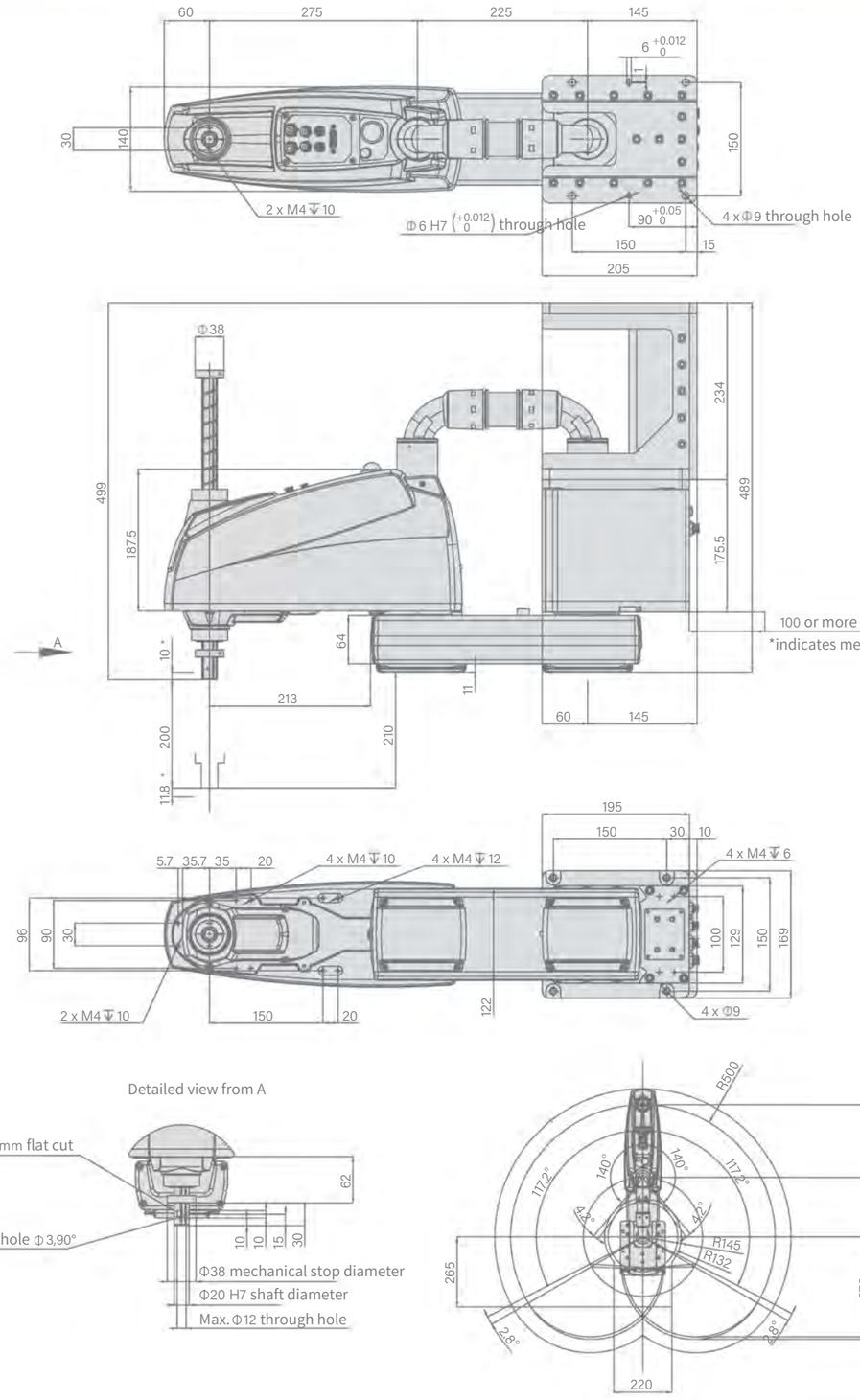
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	6150 mm/s		1100mm/s	2000°/s
MAX Motion Range	±117.2°	±140°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	19kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range



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W6 series

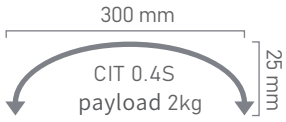
Scara Robot

Model **W6-602S**

Operating range Arm length600mm Joint#3 stroke200mm

Payload Rated 2kg/Maximum 6kg

Standard cycle time 0.4 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)



Repeatability

±0.02mm	±0.01mm	±0.01°
Joint #1,#2	Joint #3	Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	6800mm/s		1100mm/s	2000°/s
MAX Motion Range	±117.2°	±140°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	20kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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W6 series

Scara Robot

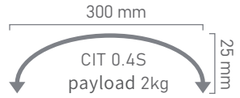


Model **W6-602S**

Operating range　Arm length600mm　Joint#3 stroke200mm

Payload　Rated 2kg/Maximum 6kg

Standard cycle time　0.4 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

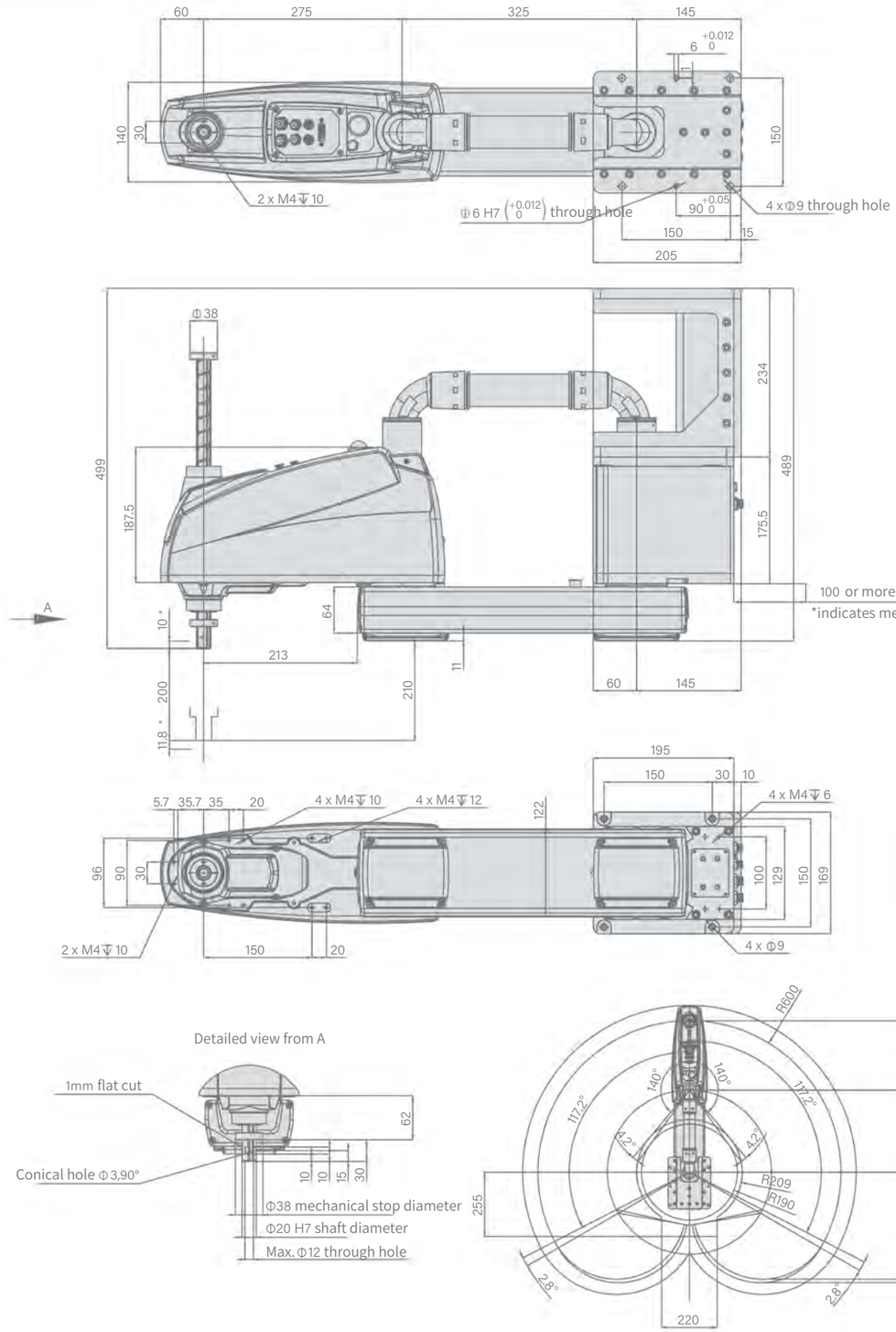
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	6800mm/s		1100mm/s	2000°/s
MAX Motion Range	±117.2°	±140°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	20kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

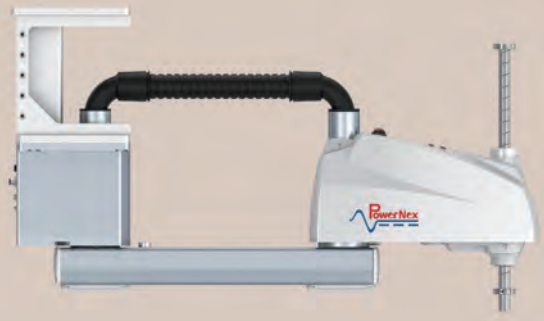
Outer Dimensions and Motion Range



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W6 series

Scara Robot

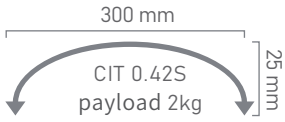


Model **W6-702S**

Operating range Arm length700mm Joint#3 stroke200mm

Payload Rated 2kg/Maximum 6kg

Standard cycle time 0.42 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability

±0.02mm	±0.01mm	±0.01°
Joint #1,#2	Joint #3	Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	7450 mm/s		1100 mm/s	2000° /s
MAX Motion Range	±117.2°	±140°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	21kg （cables not included ）			

Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

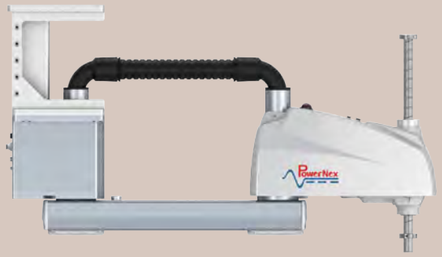
Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*2，φ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

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W6 series

Scara Robot

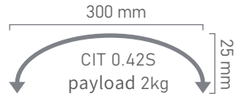


Model **W6-702S**

Operating range　Arm length700mm　Joint#3 stroke200mm

Payload　Rated 2kg/Maximum 6kg

Standard cycle time　0.42 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

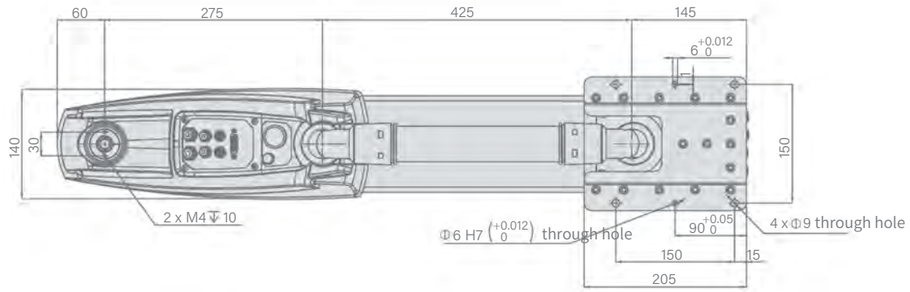
Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	7450 mm/s		1100 mm/s	2000° /s
MAX Motion Range	±117.2°	±140°	200mm	±360°
Motor Power Consumption	400W	400W	200W	100W
Joint#3 down force			100N	
Weight	21kg（cables not included）			

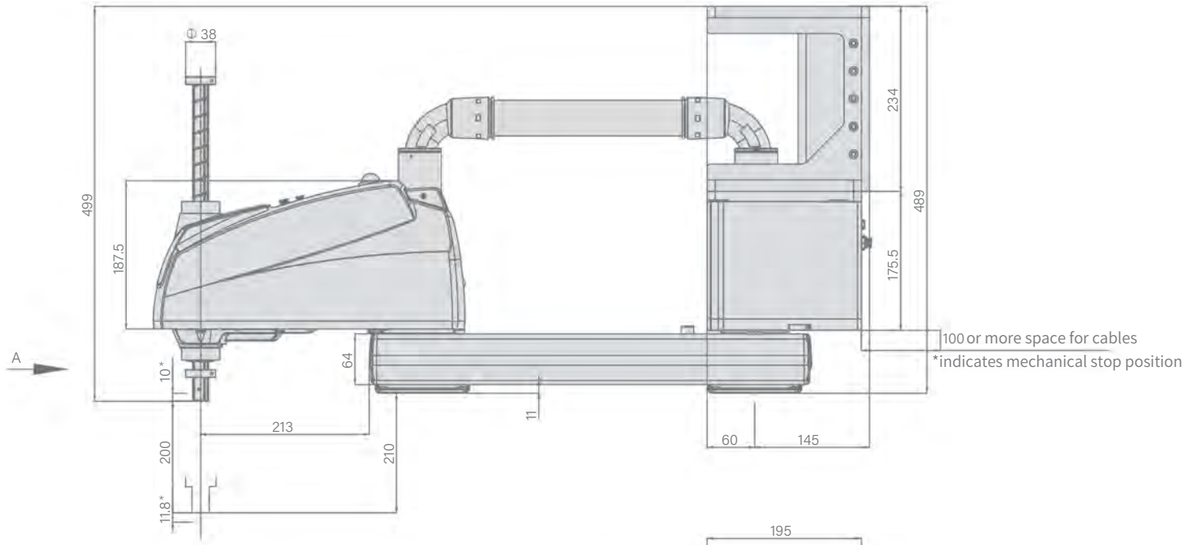
Joint #4 allowable moment of inertia，rate 0.01kg·m², maximum 0.12kg·m²

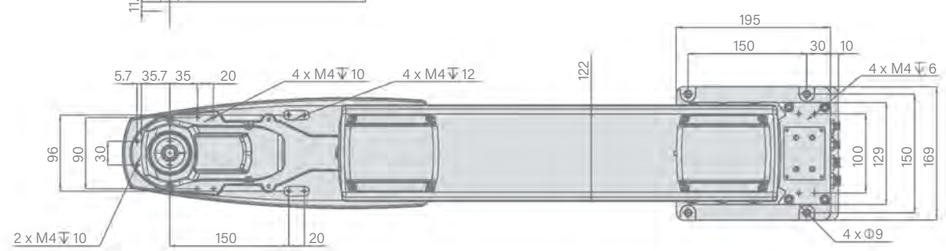
Electrical parameters

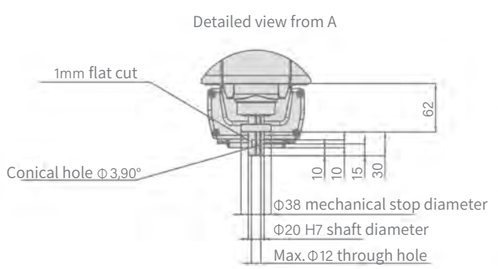
Origin Return	None Need Origin Return
Installed wire for customer	26 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

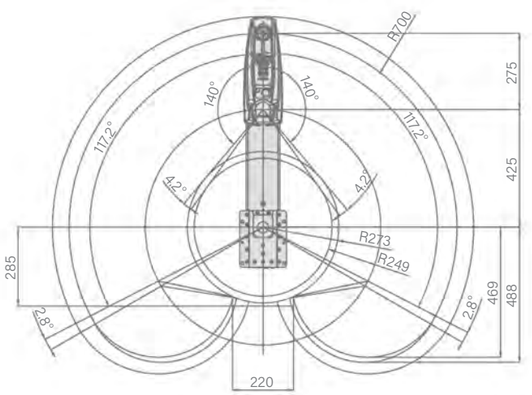
Outer Dimensions and Motion Range











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E4 series

Scara Robot

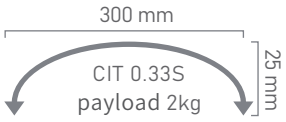


Model **E4-401S**

Operating range　Arm length400mm　Joint#3 stroke130mm

Payload　Rated 1kg/Maximum 4kg

Standard cycle time　0.33 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.01mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Joint / Content	#1	#2	#3	#4
MAX Operating Speed	6237 mm/s		1100 mm/s	2600° /s
MAX Motion Range	±225°	±225	130mm	±720°
Motor Power Consumption	400W	400W	100W	100W
Joint#3 down force			150N	
Weight	20kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	15 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*1，ϕ6mm*2
Visual Interface	-
Installation Environment	Standerd/Clean（Customized）

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E4 series

Scara Robot

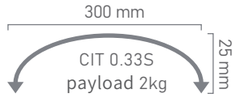


Model **E4-401S**

Operating range　Arm length400mm　Joint#3 stroke130mm

Payload　Rated 1kg/Maximum 4kg

Standard cycle time　0.33 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.01mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

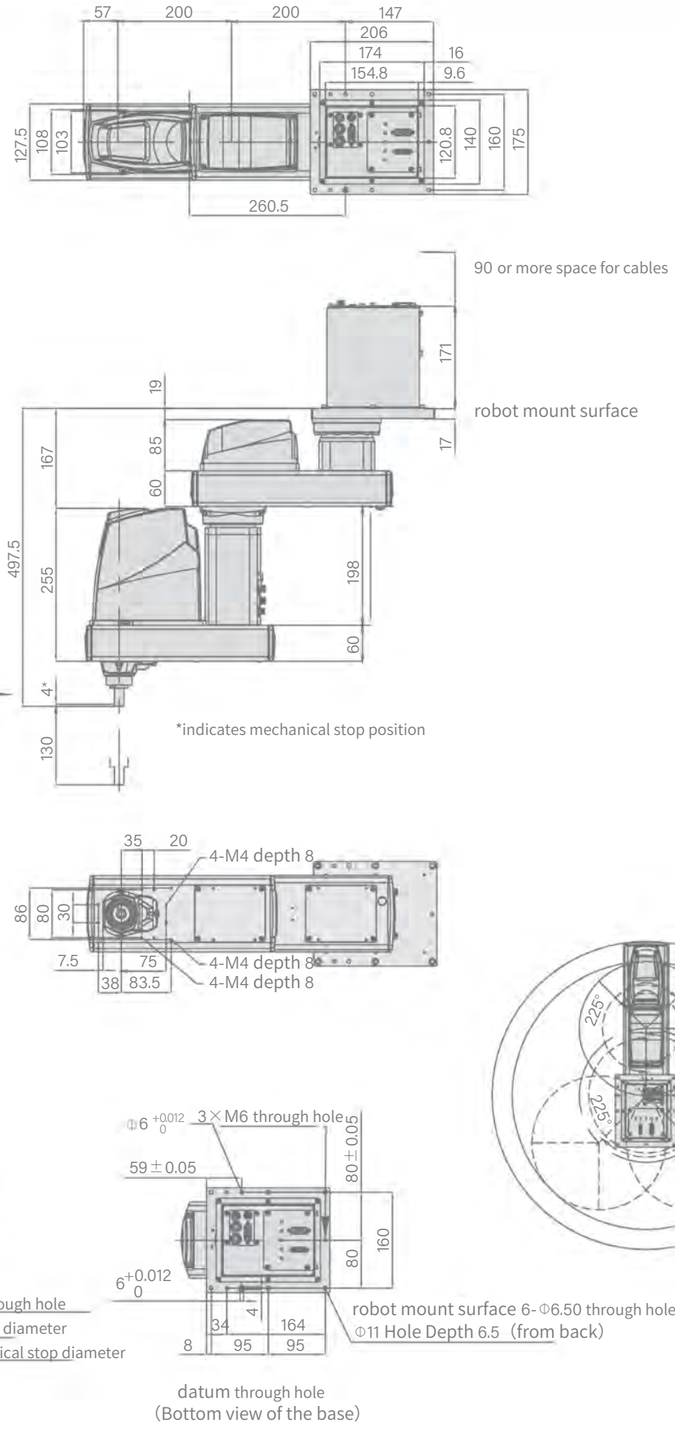
Joint / Content	#1	#2	#3	#4
MAX Operating Speed	6237 mm/s		1100 mm/s	2600° /s
MAX Motion Range	±225°	±225	130mm	±720°
Motor Power Consumption	400W	400W	100W	100W
Joint#3 down force			150N	
Weight	20kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	15 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*1，ϕ6mm*2
Visual Interface	-
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range



Detailed view from A

datum through hole
（Bottom view of the base）

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E4 series

Scara Robot

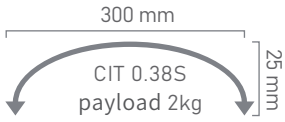


Model **E4-551S**

Operating range　Arm length550mm　Joint#3 stroke130mm

Payload　Rated 1kg/Maximum 4kg

Standard cycle time　0.38 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.015mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	7400 mm/s		1100 mm/s	2600° /s
MAX Motion Range	±225°	±225°	130mm	±720°
Motor Power Consumption	400W	400W	100W	100W
Joint#3 down force			150N	
Weight	22kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	15 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*1，φ6mm*2
Visual Interface	-
Installation Environment	Standerd/Clean（Customized）

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E4 series

Scara Robot

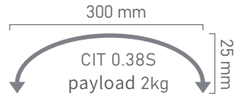


Model **E4-551S**

Operating range　Arm length550mm　Joint#3 stroke130mm

Payload　Rated 1kg/Maximum 4kg

Standard cycle time　0.38 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.015mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

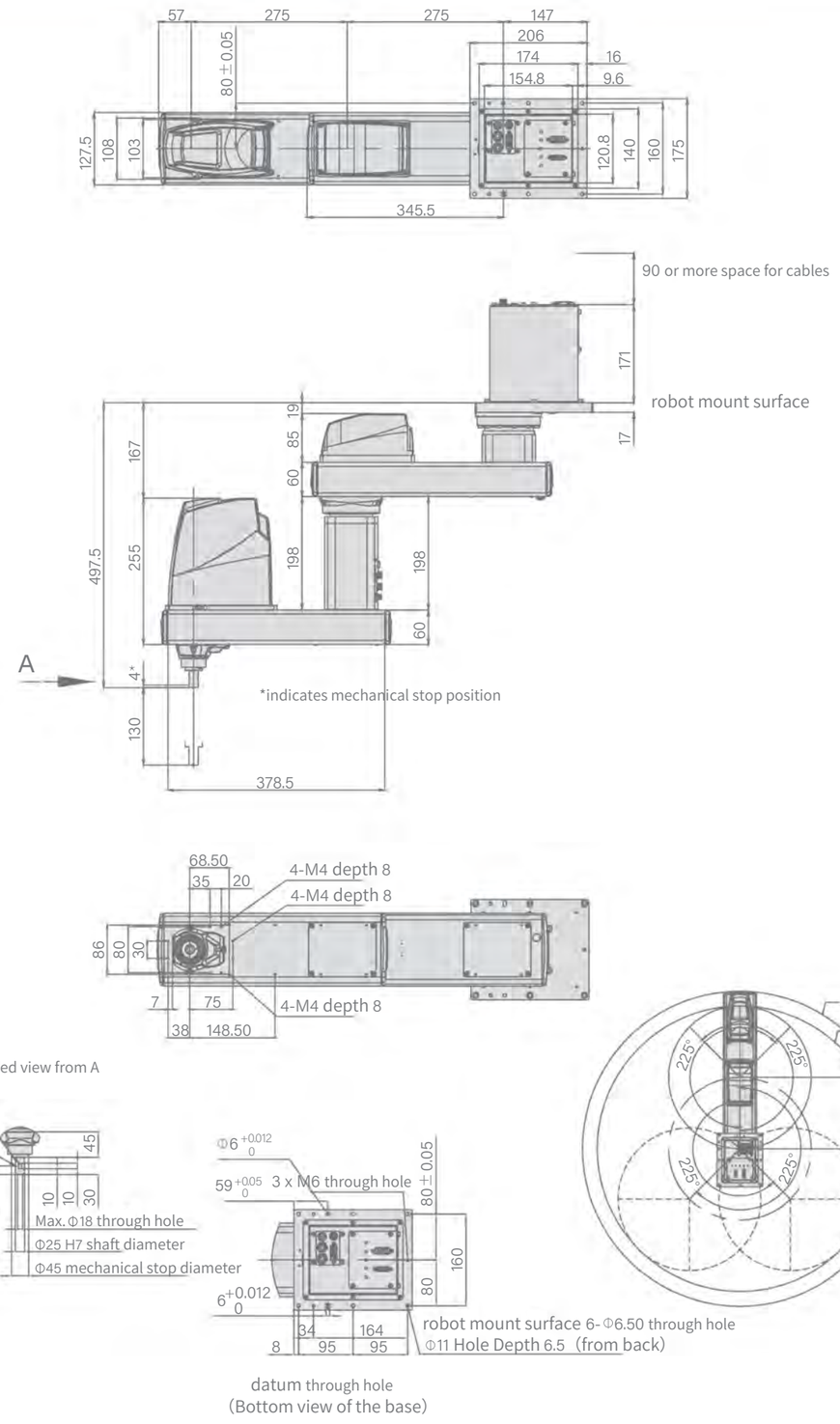
Joint / Content	#1	#2	#3	#4
MAX Operating Speed	7400 mm/s		1100 mm/s	2600° /s
MAX Motion Range	±225°	±225°	130mm	±720°
Motor Power Consumption	400W	400W	100W	100W
Joint#3 down force			150N	
Weight	22kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	15 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*1，ϕ6mm*2
Visual Interface	-
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range



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E10 series

Scara Robot

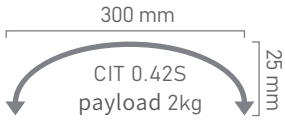


Model E10-551S

Operating range　Arm length550mm　Joint#3 stroke100mm

Payload　Rated 5kg/Maximum 10kg

Standard cycle time　0.42 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

Content \ Joint	#1	#2	#3	#4
MAX Operating Speed	7500 mm/s		1100 mm/s	2600° /s
MAX Motion Range	±225°	±225°	100mm	±720°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	40kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.02kg·m², maximum 0.3kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	15 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*1，φ6mm*2
Visual Interface	-
Installation Environment	Standerd/Clean（Customized）

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E10 series

Scara Robot

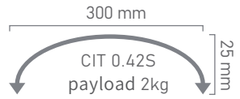


Model **E10-551S**

Operating range　Arm length550mm　Joint#3 stroke100mm

Payload　Rated 5kg/Maximum 10kg

Standard cycle time　0.42 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.025mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

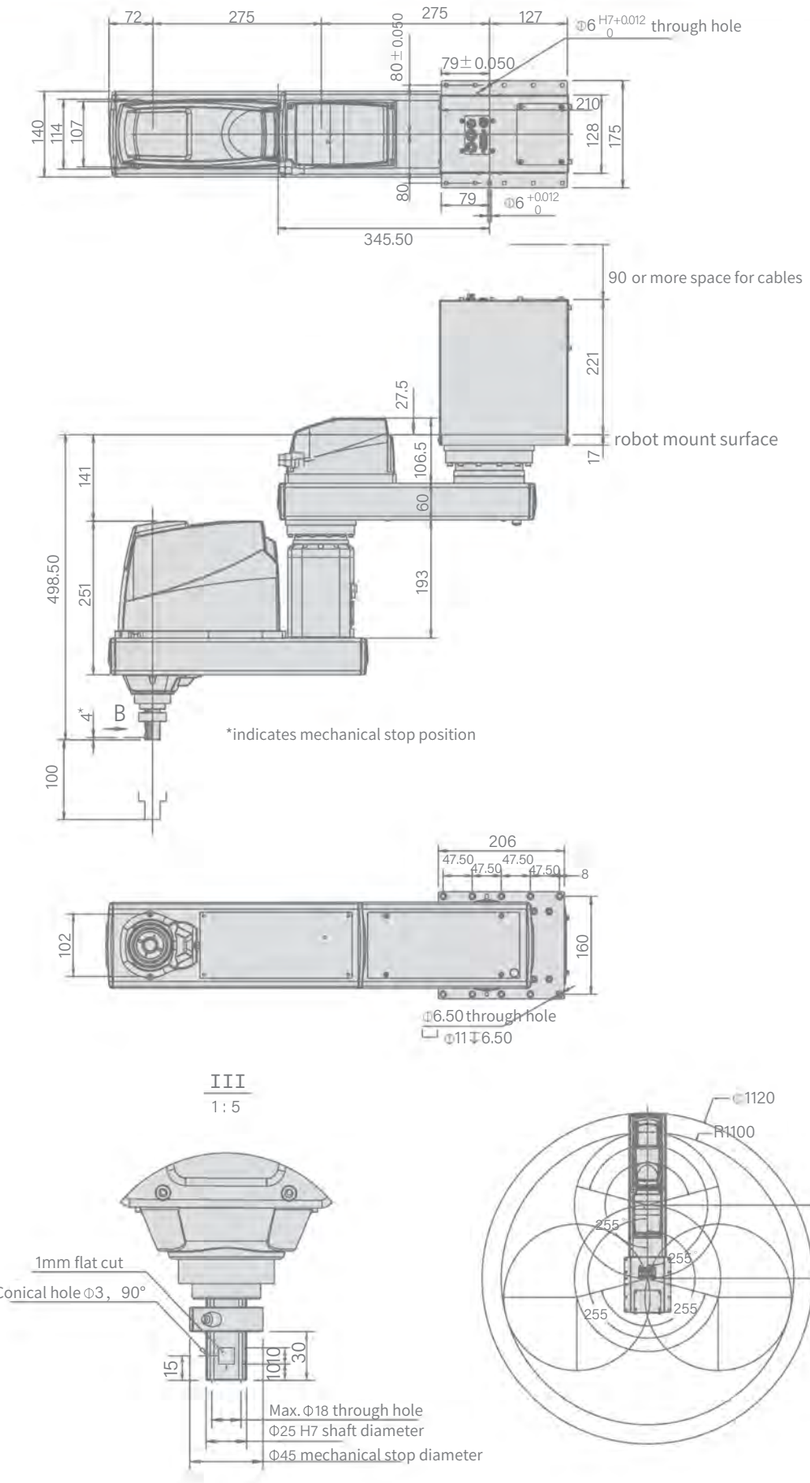
Joint / Content	#1	#2	#3	#4
MAX Operating Speed	7500 mm/s		1100 mm/s	2600° /s
MAX Motion Range	±225°	±225°	100mm	±720°
Motor Power Consumption	1000W	750W	400W	400W
Joint#3 down force			250N	
Weight	40kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.02kg·m², maximum 0.3kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	15 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	φ4mm*1，φ6mm*2
Visual Interface	-
Installation Environment	Standerd/Clean（Customized）

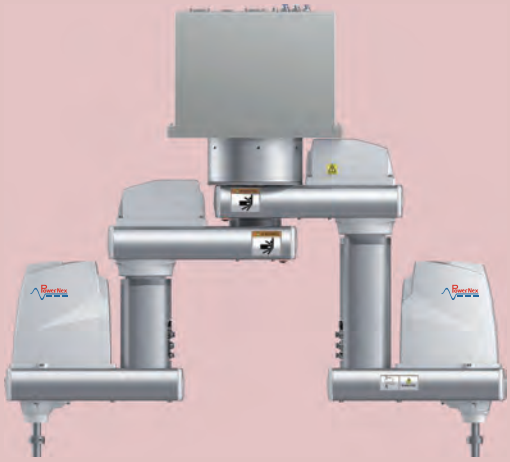
Outer Dimensions and Motion Range



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D4 series

Scara Robot

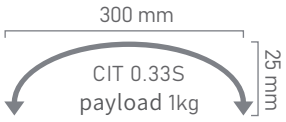


Model D4-401S

Operating range　Arm length400mm　Joint#3 stroke130mm

Payload　Rated 1kg/Maximum 4kg

Standard cycle time　0.33 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 1kg payload (path coordinates optimized for maximum speed)

Repeatability

±0.01mm	±0.01mm	±0.01°
Joint #1,#2	Joint #3	Joint #4

Parameters of each axis

Content \ Joint	#1\#5	#2	#3	#4
MAX Operating Speed	6237 mm/s	6237 mm/s	1100 mm/s	2600°/s
MAX Motion Range	±225°	±225°	130mm	±720°
Motor Power Consumption	400W\750W	400W	100W	100W
Joint#3 down force			150N	
Weight	50kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

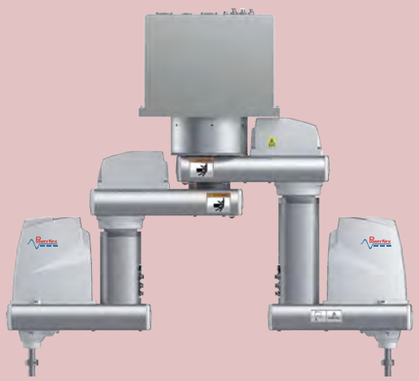
Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	15 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*1，ϕ6mm*2
Visual Interface	-
Installation Environment	Standerd/Clean（Customized）

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D4 series

Scara Robot



Model **D4-401S**

Operating range　Arm length400mm　Joint#3 stroke130mm

Payload　Rated 1kg/Maximum 4kg

Standard cycle time　0.33 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 1kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.01mm Joint #1,#2　±0.01mm Joint #3　±0.01° Joint #4

Parameters of each axis

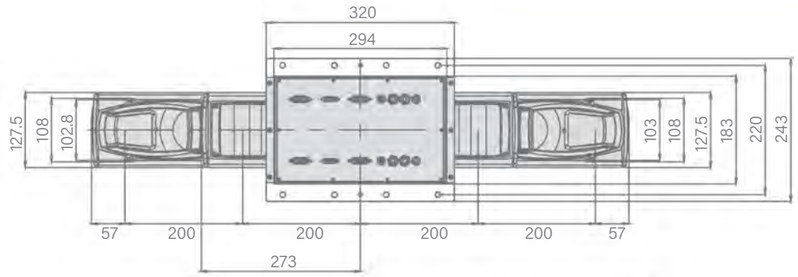
Content \ Joint	#1\#5	#2	#3	#4
MAX Operating Speed	6237 mm/s	6237 mm/s	1100 mm/s	2600°/s
MAX Motion Range	±225°	±225°	130mm	±720°
Motor Power Consumption	400W\750W	400W	100W	100W
Joint#3 down force			150N	
Weight	50kg（cables not included）			

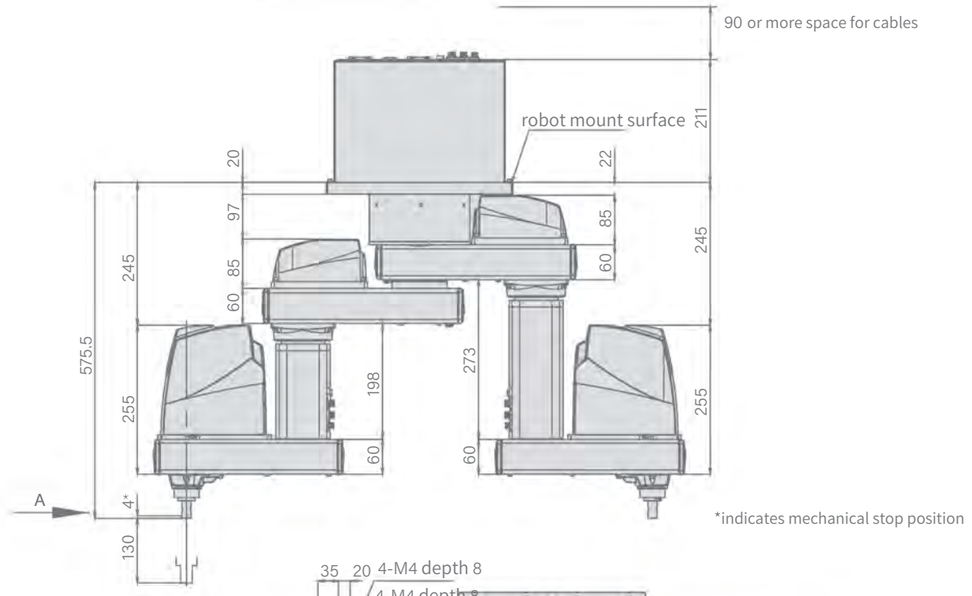
Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

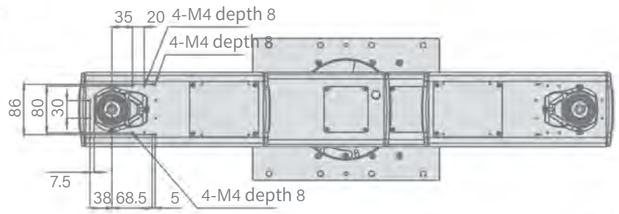
Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	15 Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*1，ϕ6mm*2
Visual Interface	-
Installation Environment	Standerd/Clean（Customized）

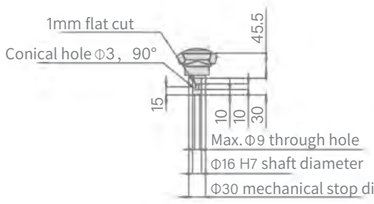
Outer Dimensions and Motion Range

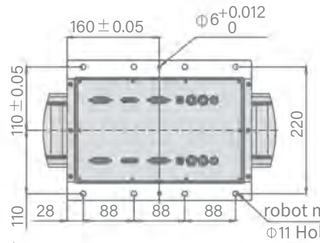


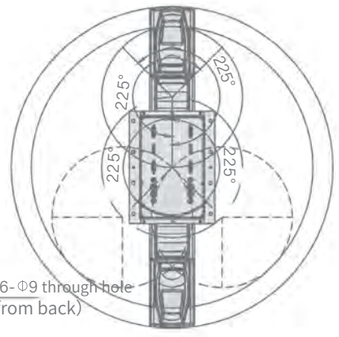




Detailed view from A







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CE series

Scara Robot

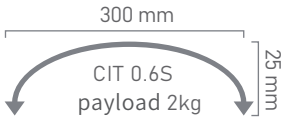


Model **CE-600S**

Operating range Arm length600mm Joint#3 stroke40mm

Payload Rated 5kg/Maximum 10kg

Standard cycle time 0.6 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability ±0.02mm Joint #1,#2 ±0.02mm Joint #3 ±0.01° Joint #4

Parameters of each axis

Joint / Content	#1\#5	#2	#3	#4
MAX Operating Speed	7033 mm/s	3082 mm/s	2346 mm/s	3625°/s
MAX Motion Range	±225°	±225°	40mm	±360°
Motor Power Consumption	1000W	750W	100W	100W
Joint#3 down force	-	-	-	-
Weight	47kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26+16 Pin（Max),with Six Wo
Installed pneumatic tube for customer use	ϕ6mm*2
Visual Interface	2
Installation Environment	Standerd/Clean（Customized）

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CE series

Scara Robot



Model **CE-600S**

Operating range　Arm length600mm　Joint#3 stroke40mm

Payload　Rated 5kg/Maximum 10kg

Standard cycle time　0.6 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.02mm Joint #3　±0.01° Joint #4

Parameters of each axis

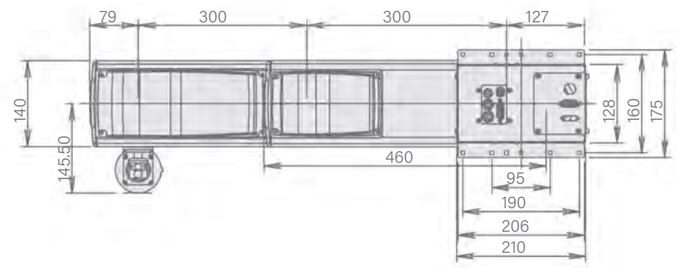
Joint / Content	#1\#5	#2	#3	#4
MAX Operating Speed	7033mm/s	3082mm/s	2346mm/s	3625°/s
MAX Motion Range	±225°	±225°	40mm	±360°
Motor Power Consumption	1000W	750W	100W	100W
Joint#3 down force	-	-	-	-
Weight	47kg（cables not included）			

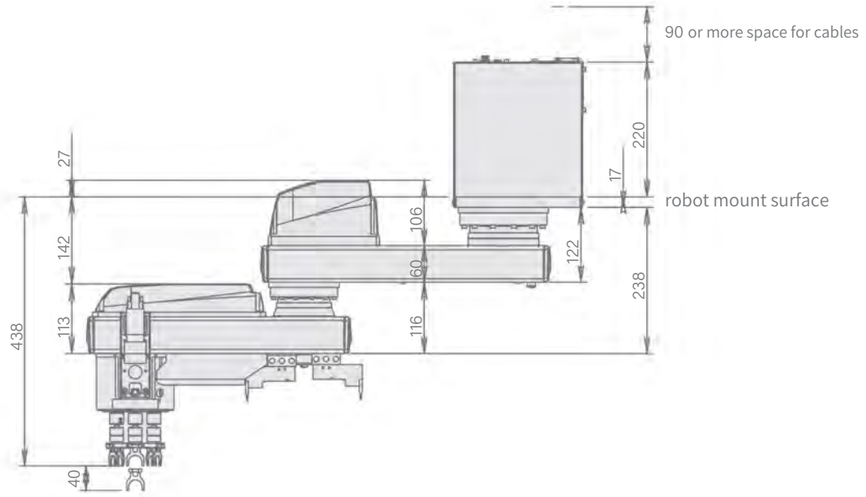
Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

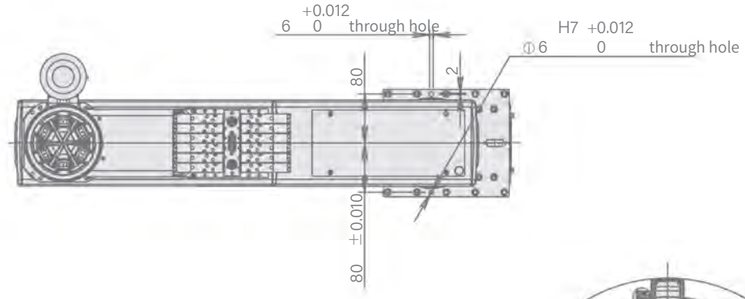
Electrical parameters

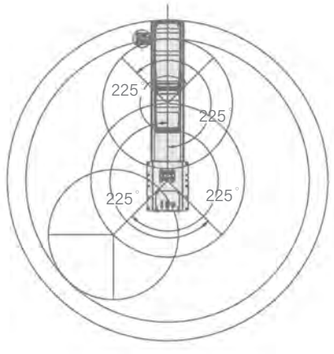
Origin Return	None Need Origin Return
Installed wire for customer	26+16 Pin（Max),with Six Working header(21)
Installed pneumatic tube for customer use	ϕ6mm*2
Visual Interface	2
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range









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CP series

Scara Robot

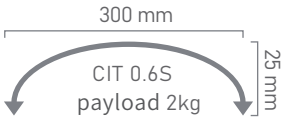


Model **CP-650S**

Operating range　Arm length650mm　Joint#3 stroke40mm

Payload　Rated 5kg/Maximum 10kg

Standard cycle time　0.6 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.02mm Joint #3　±0.01° Joint #4

Parameters of each axis

Joint / Content	#1\#5	#2	#3	#4
MAX Operating Speed	7619 mm/s	3642mm/s	2346mm/s	3625°/s
MAX Motion Range	±225°	±130°	40mm	±360°
Motor Power Consumption	1000W	750W	100W	100W
Joint#3 down force	-	-	-	-
Weight	49kg（cables not included）			

Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	Standerd：21 Pin Max：42 (without working header +
Installed pneumatic tube for customer use	ϕ6mm*2
Visual Interface	2
Installation Environment	Standerd/Clean（Customized）

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CP series

Scara Robot



Model **CP-650S**

Operating range　Arm length650mm　Joint#3 stroke40mm

Payload　Rated 5kg/Maximum 10kg

Standard cycle time　0.6 sec



Cycle time based on round-trip arch motion (300mm horizontal,25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability　±0.02mm Joint #1,#2　±0.02mm Joint #3　±0.01° Joint #4

Parameters of each axis

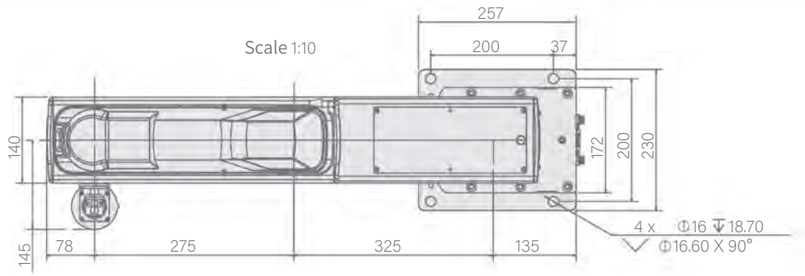
Joint / Content	#1\#5	#2	#3	#4
MAX Operating Speed	7619 mm/s	3642mm/s	2346mm/s	3625°/s
MAX Motion Range	±225°	±130°	40mm	±360°
Motor Power Consumption	1000W	750W	100W	100W
Joint#3 down force	-	-	-	-
Weight	49kg（cables not included）			

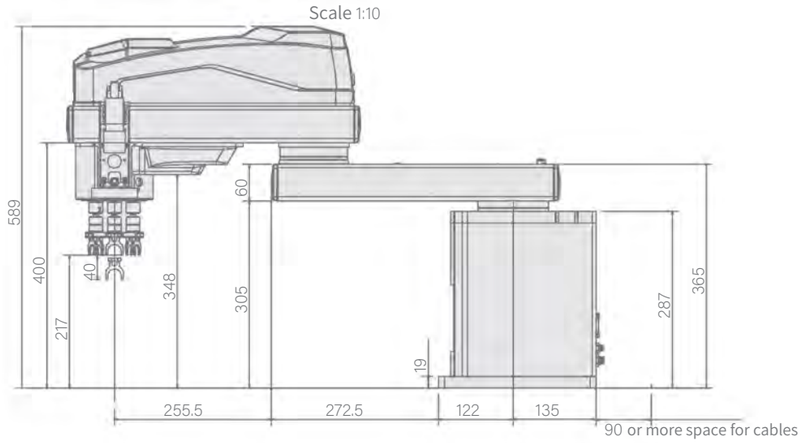
Joint #4 allowable moment of inertia，rate 0.005kg·m², maximum 0.05kg·m²

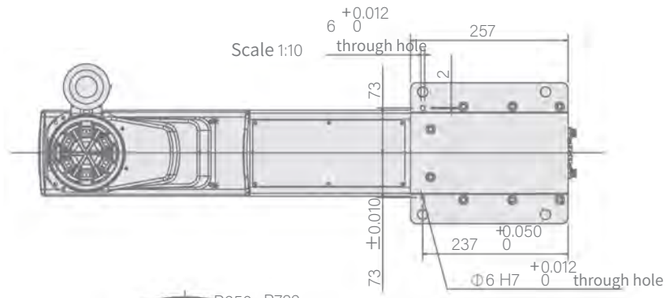
Electrical parameters

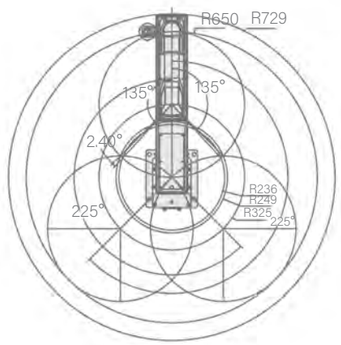
Origin Return	None Need Origin Return
Installed wire for customer	Standerd：21 Pin　Max：42 Pin （without working header + M12*2 Aviation Connector）
Installed pneumatic tube for customer use	ϕ6mm*2
Visual Interface	2
Installation Environment	Standerd/Clean（Customized）

Outer Dimensions and Motion Range









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S series

6 Axis Scara Robot



Model **S4-475A**

Max Motion Range	475mm
Max payload	4kg
Repeatability	±0.02mm
Mounting method	Ground/Suspension
Weight	21kg
IP level	IP67

Parameters of each axis

Joint / Content	#1	#2	#3	#4	#5	#6
Max Operating Speed	450°/s	360°/s	360°/s	550°/s	450°/s	860°/s
Max Motion Range	+170°/-170°	+130°/-90°	+55°/-200°	+170°/-170°	+120°/-120°	+360°/-360°

Electrical parameters	Integrated Signal Source	8 Channels（30V，0
	Integrated Air Source	4-φ4，5bar

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S series

6 Axis Scara Robot



Model **S4-475A**

Max Motion Range	475mm
Max payload	4kg
Repeatability	±0.02mm
Mounting method	Ground/Suspension
Weight	21kg
IP level	IP67

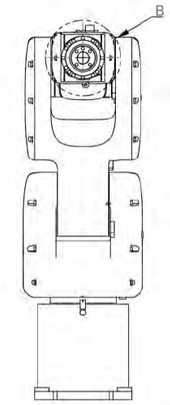
Parameters of each axis

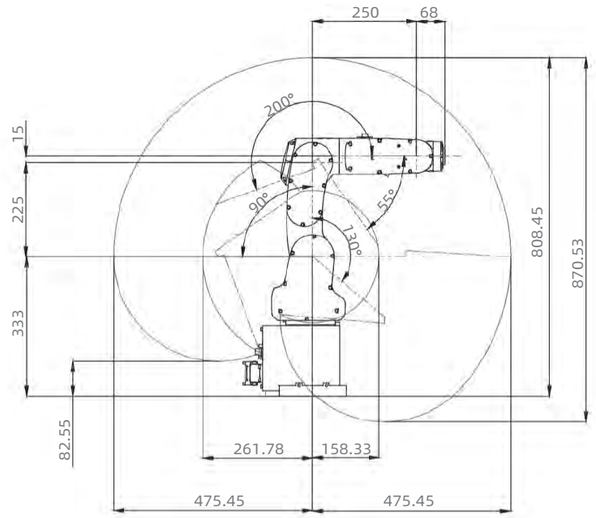
Joint / Content	#1	#2	#3	#4	#5	#6
Max Operating Speed	450°/s	360°/s	360°/s	550°/s	450°/s	860°/s
Max Motion Range	+170°/-170°	+130°/-90°	+55°/-200°	+170°/-170°	+120°/-120°	+360°/-360°

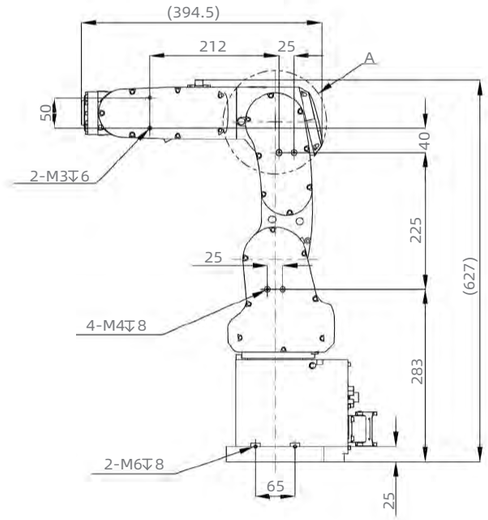
Electrical parameters — Integrated Signal Source: 8 Channels（30V，0.5A）

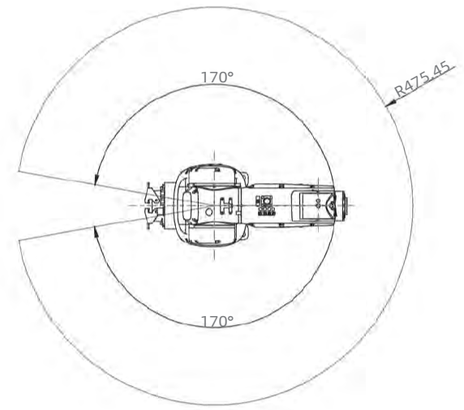
Integrated Air Source: 4-φ4，5bar

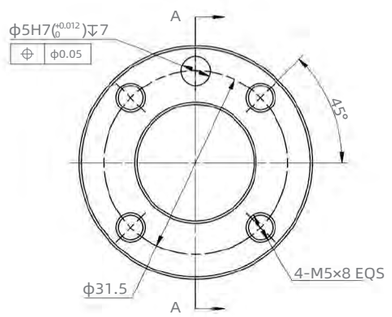
Outer Dimensions and Motion Range

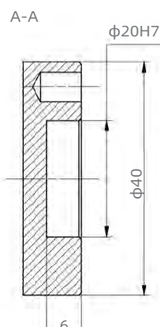


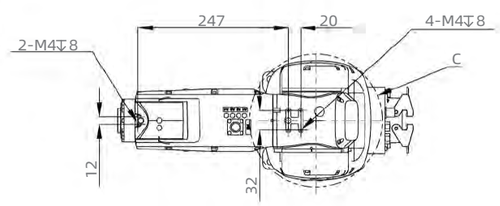












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S series

6 Axis Scara Robot



Model **S7-707A**

Max Motion Range	707mm
Max payload	7kg
Repeatability	±0.02mm
Mounting method	Ground/Suspension
Weight	50kg
IP level	IP67

Parameters of each axis

Joint / Content	#1	#2	#3	#4	#5	#6
Max Operating Speed	440°/s	355°/s	440°/s	480°/s	450°/s	705°/s
Max Motion Range	+170°/-170°	+135°/-96°	+65°/-195°	+170°/-170°	+120°/-120°	+360/-360°

Electrical parameters	Integrated Signal Source	8Channels（30V，0
	Integrated Air Source	4-ϕ4，5bar

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S series

6 Axis Scara Robot



Model **S7-707A**

Max Motion Range	707mm
Max payload	7kg
Repeatability	±0.02mm
Mounting method	Ground/Suspension
Weight	50kg
IP level	IP67

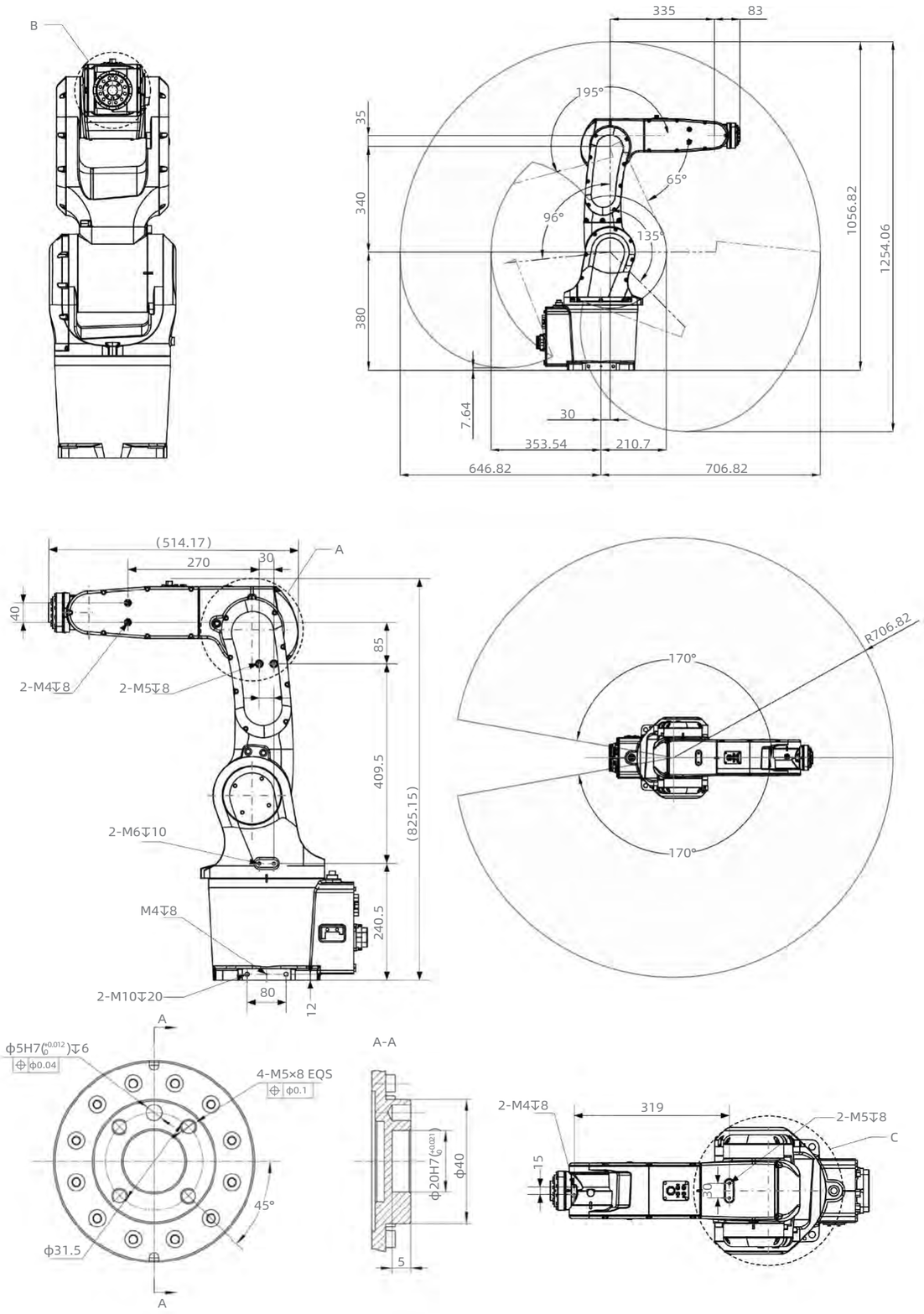
Parameters of each axis

Joint / Content	#1	#2	#3	#4	#5	#6
Max Operating Speed	440°/s	355°/s	440°/s	480°/s	450°/s	705°/s
Max Motion Range	+170°/-170°	+135°/-96°	+65°/-195°	+170°/-170°	+120°/-120°	+360/-360°

Electrical parameters Integrated Signal Source 8Channels（30V，0.5A）

Integrated Air Source 4-φ4，5bar

Outer Dimensions and Motion Range



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S series

6 Axis Scara Robot



Model **S7-906A**

Max Motion Range	906mm
Max payload	7kg
Repeatability	±0.03mm
Mounting method	Ground/Suspension
Weight	52kg
IP level	IP67

Parameters of each axis

Joint / Content	#1	#2	#3	#4	#5	#6
Max Operating Speed	355°/s	355°/s	355°/s	480°/s	450°/s	705°/s
Max Motion Range	+170°/-170°	+130°/-96°	+65°/-195°	+170°/-170°	+120°/-120°	+360°/-360°

Electrical parameters	Integrated Signal Source	8 Channels（30V，
	Integrated Air Source	4-ϕ4，5bar

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S series

6 Axis Scara Robot



Model **S7-906A**

Max Motion Range	906mm
Max payload	7kg
Repeatability	±0.03mm
Mounting method	Ground/Suspension
Weight	52kg
IP level	IP67

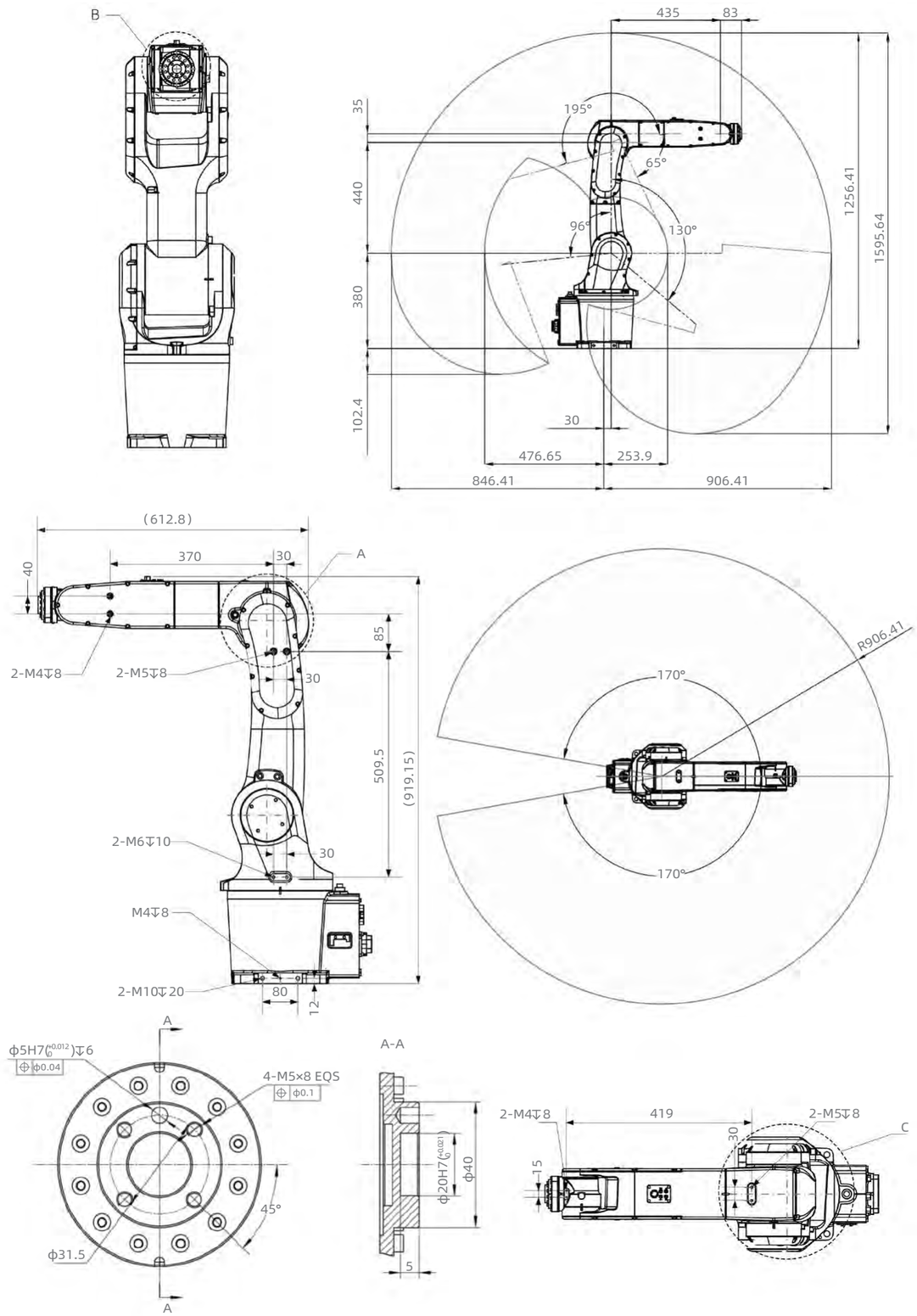
Parameters of each axis

Joint / Content	#1	#2	#3	#4	#5	#6
Max Operating Speed	355°/s	355°/s	355°/s	480°/s	450°/s	705°/s
Max Motion Range	+170°/-170°	+130°/-96°	+65°/-195°	+170°/-170°	+120°/-120°	+360°/-360°

Electrical parameters Integrated Signal Source 8 Channels（30V，0.5A）

Integrated Air Source 4-ϕ4，5bar

Outer Dimensions and Motion Range



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S series

6 Axis Scara Robot



Model **S10-1206A**

Max Motion Range	1206mm
Max payload	10kg
Repeatability	±0.05mm
Mounting method	Ground/Suspension
Weight	76kg
IP level	IP54

Parameters of each axis

Joint / Content	#1	#2	#3	#4	#5	#6
Max Operating Speed	297°/s	223°/s	223°/s	480°/s	360°/s	705°/s
Max Motion Range	+170°/-170°	+125°/-95°	+65°/-195°	+170°/-170°	+120°/-120°	+360°/-360°

Electrical parameters	Integrated Signal Source	8 Channels（30V，0
	Integrated Air Source	4-ϕ4，5bar

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S series

6 Axis Scara Robot



Model **S10-1206A**

Max Motion Range	1206mm
Max payload	10kg
Repeatability	±0.05mm
Mounting method	Ground/Suspension
Weight	76kg
IP level	IP54

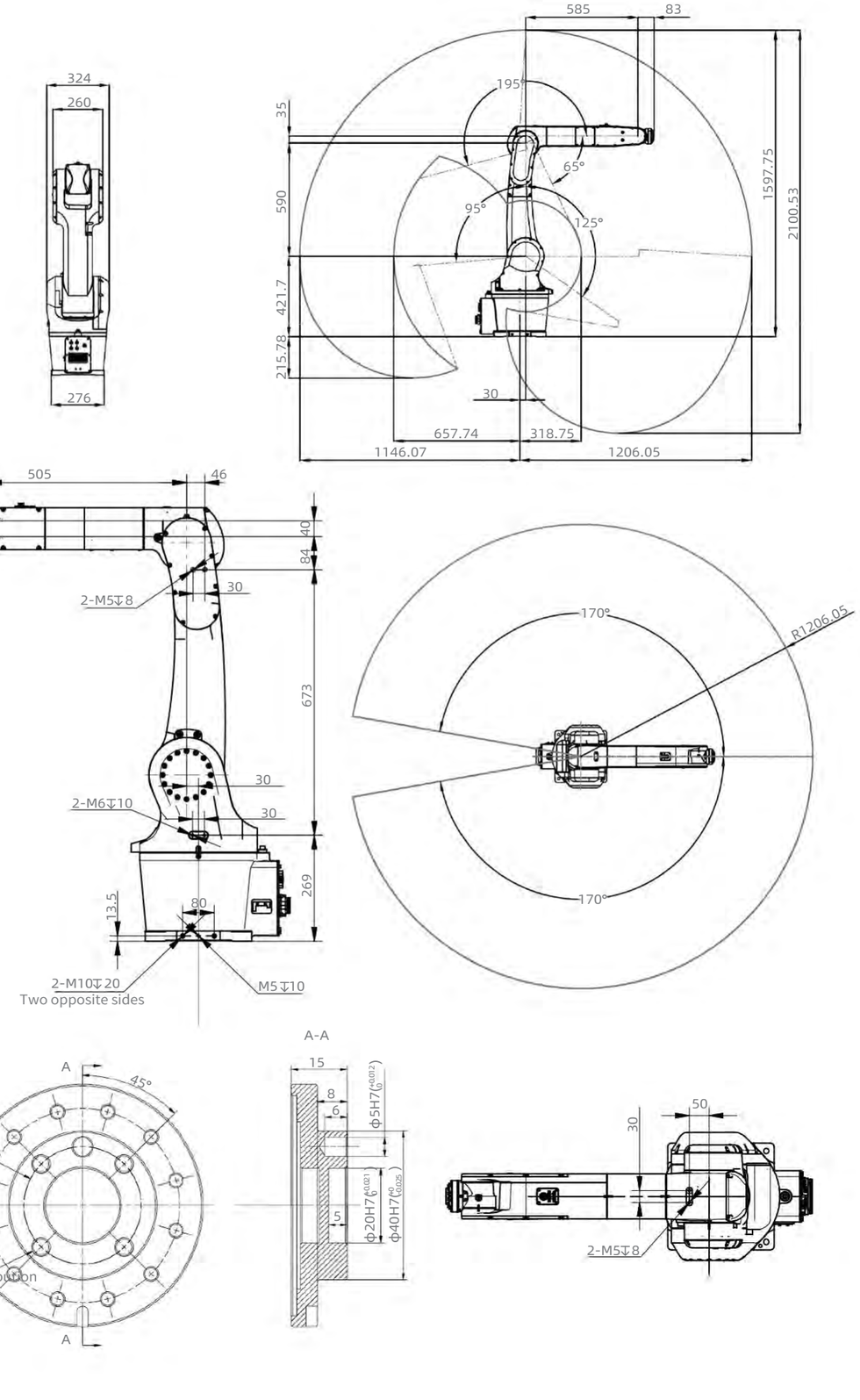
Parameters of each axis

Joint / Content	#1	#2	#3	#4	#5	#6
Max Operating Speed	297°/s	223°/s	223°/s	480°/s	360°/s	705°/s
Max Motion Range	+170°/-170°	+125°/-95°	+65°/-195°	+170°/-170°	+120°/-120°	+360°/-360°

Electrical parameters Integrated Signal Source 8 Channels（30V，0.5A）

Integrated Air Source 4-ϕ4，5bar

Outer Dimensions and Motion Range



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SP series

Scara Robot

SP3-4000



Operating range

Arm length 400mm

Payload

Rated 1kg/Maximum3kg

Repeatability

Joint #1,#2 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

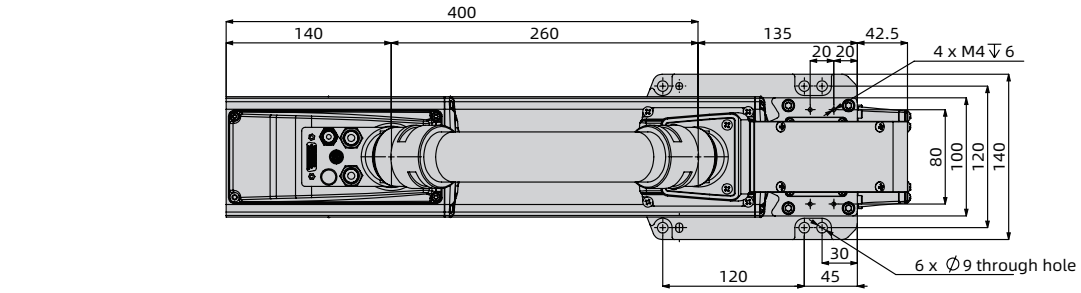
Motion parameters

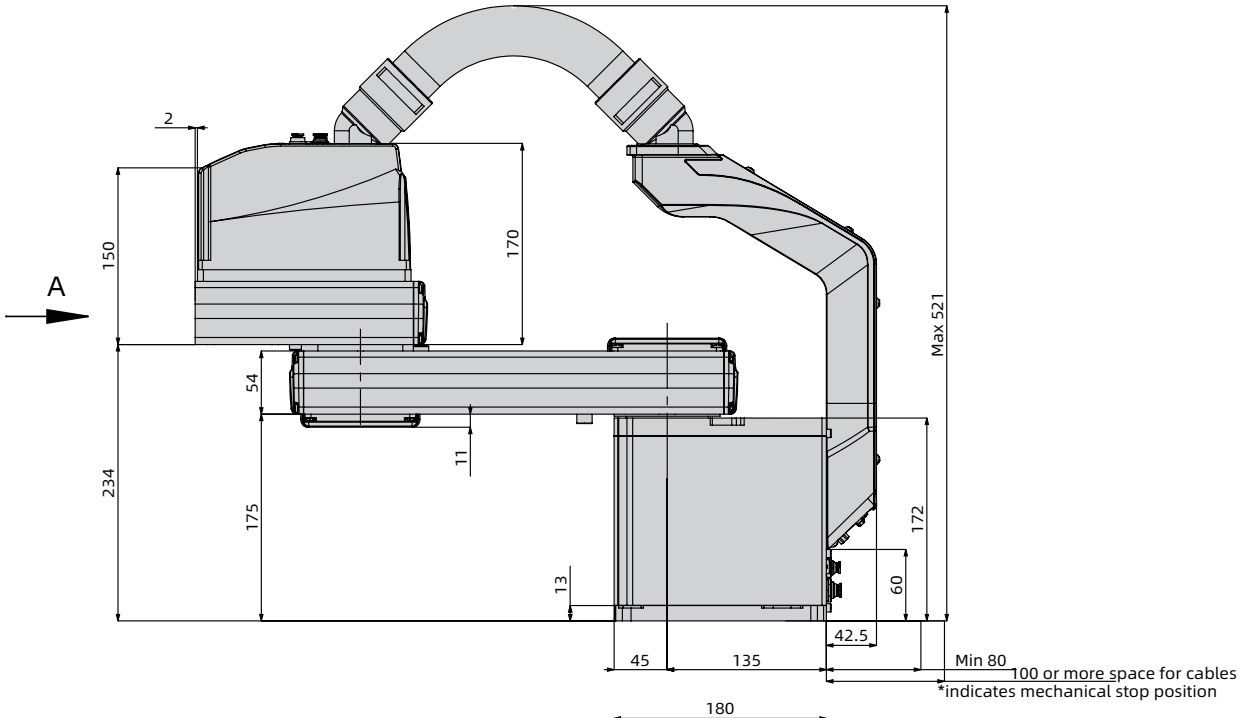
Joint / Content	#1	#2
Max Operating Speed	6556mm/s	
Max Motion Range	±142.8°	±142.8°
Motor Power Consumption	400W	100W
Weight	14kg（cables not included）	

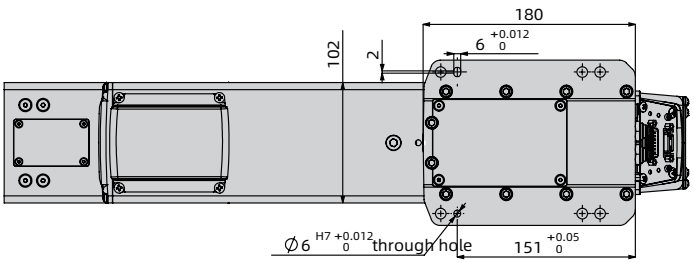
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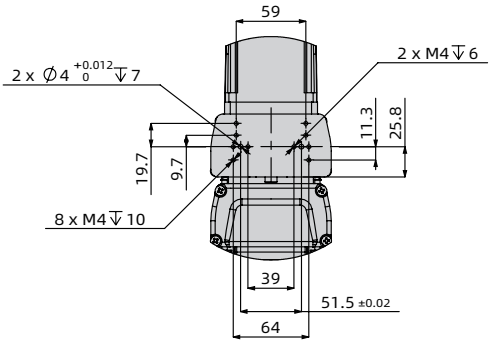
Outer Dimensions and Motion Range

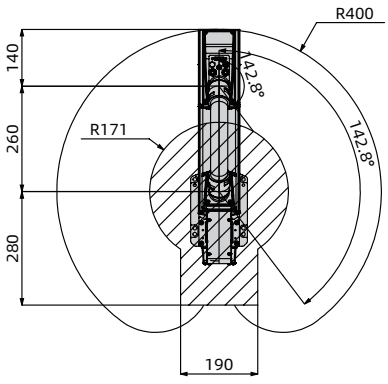






Detailed view from A





Shaded area indicates operation blind spot

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SP series

Scara Robot

SP3-4010



Operating range

Arm length 400mm

Joint#3 stroke 100mm

Payload

Rated 1kg/Maximum3kg

Repeatability

Joint #1,#2 ±0.01mm

Joint #3 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

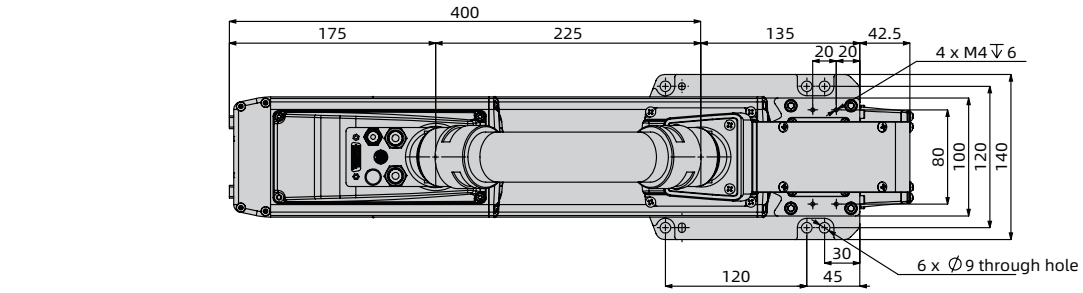
Motion parameters

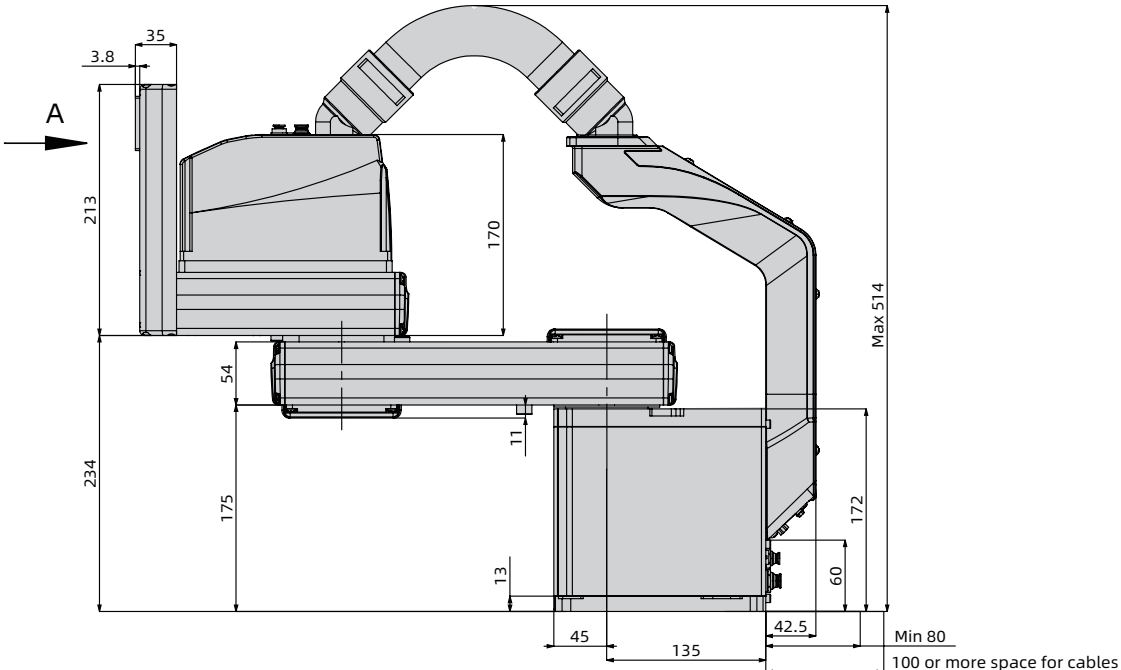
Joint / Content	#1	#2	#3
Max Operating Speed	6981mm/s		966mm/s
Max Motion Range	±142.8°	±142.8°	100mm
Motor Power Consumption	400W	100W	100W
Weight	15kg（cables not included）		

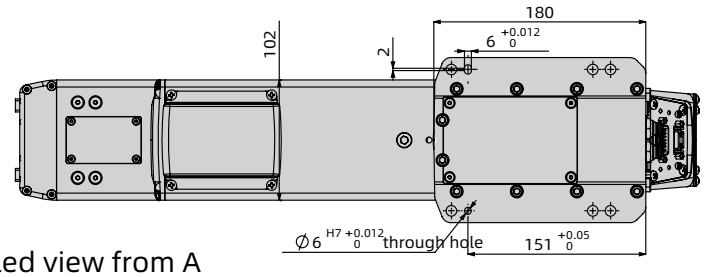
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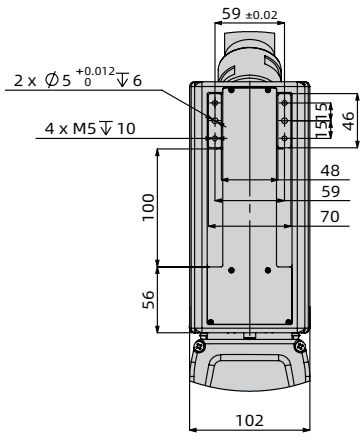
Outer Dimensions and Motion Range

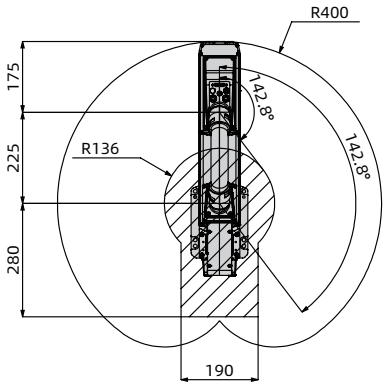






Detailed view from A





Shaded area indicates operation blind spot

SP series

Scara Robot

SP6-6010



Operating range

Arm length 600mm

Joint#3 stroke 100mm

Payload

Rated2kg/Maximum6kg

Repeatability

Joint #1,#2 ±0.025mm

Joint #3 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

Motion parameters

Joint / Content	#1	#2	#3
Max Operating Speed	7891mm/s		1063mm/s
Max Motion Range	±142.2°	±142.2°	100mm
Motor Power Consumption	400W	400W	100W
Weight	27kg（cables not included）		

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SP series

Scara Robot

SP6-6010



Operating range

Arm length 600mm

Joint#3 stroke 100mm

Payload

Rated2kg/Maximum6kg

Repeatability

Joint #1,#2 ±0.025mm

Joint #3 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

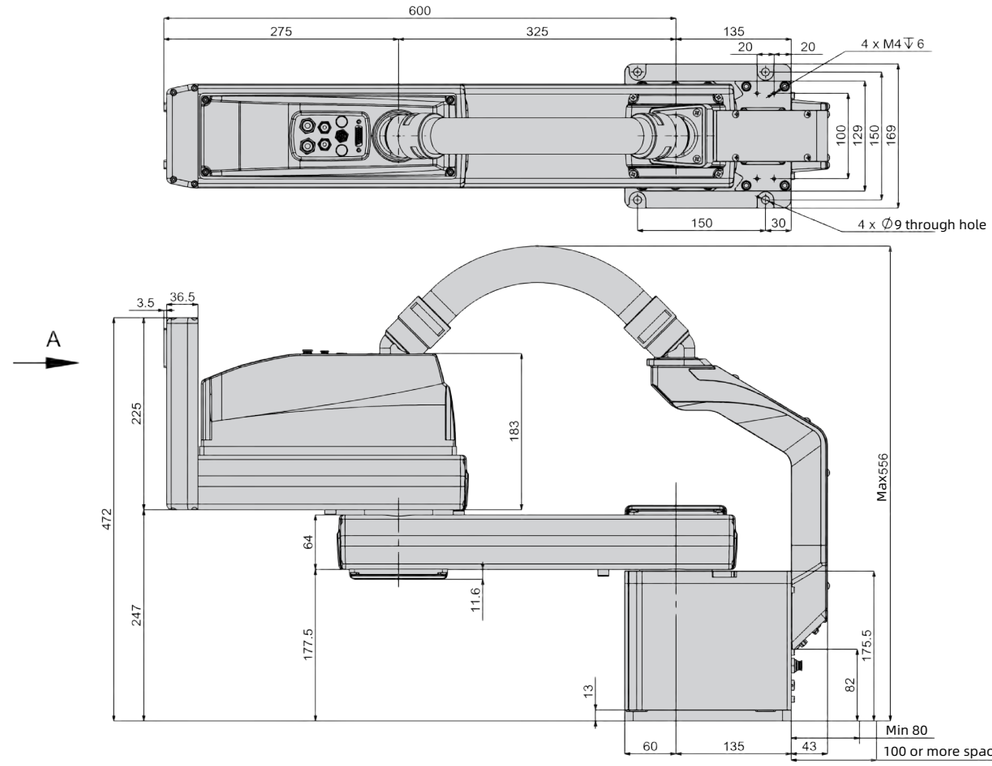
※ Test results under specified conditions of our company.

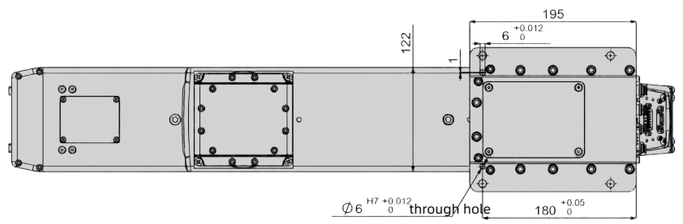
Motion parameters

Joint / Content	#1	#2	#3
Max Operating Speed	7891mm/s		1063mm/s
Max Motion Range	±142.2°	±142.2°	100mm
Motor Power Consumption	400W	400W	100W
Weight	27kg（cables not included）		

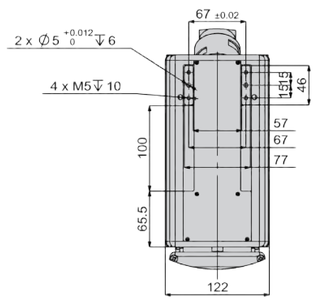
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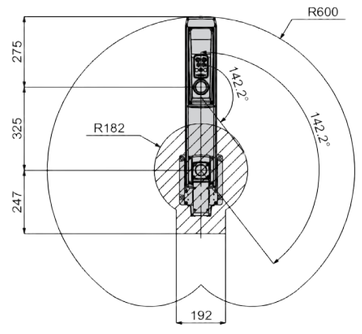
Outer Dimensions and Motion Range





Detailed view from A





Shaded area indicates operation blind spot

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SP series

Scara Robot

SP10-5000



Operating range

Arm length 500mm

Payload

Rated 5kg/Maximum10kg

Repeatability

Joint #1,#2 ±0.025mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

Motion parameters

Joint / Content	#1	#2
Max Operating Speed	6647mm/s	
Max Motion Range	±142.2°	±142.2°
Motor Power Consumption	750W	750W
Weight	26kg（cables not included）	

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SP series

Scara Robot

SP10-5000



Operating range

Arm length 500mm

Payload

Rated 5kg/Maximum10kg

Repeatability

Joint #1,#2 ±0.025mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

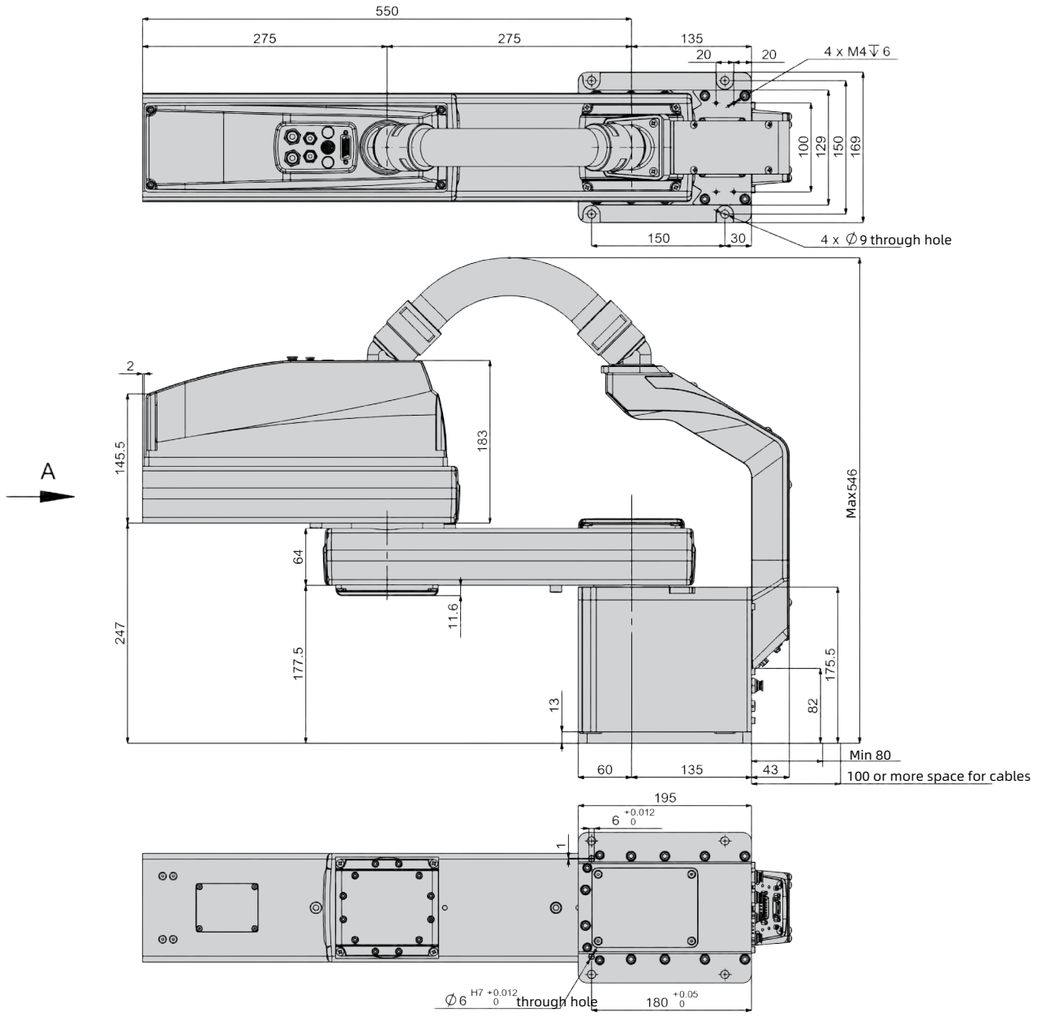
※ Test results under specified conditions of our company.

Motion parameters

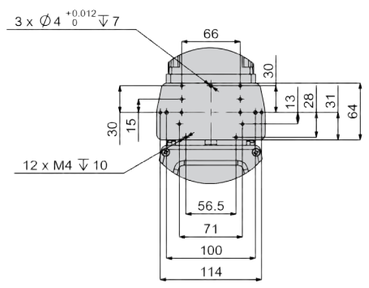
Joint / Content	#1	#2
Max Operating Speed	6647mm/s	
Max Motion Range	±142.2°	±142.2°
Motor Power Consumption	750W	750W
Weight	26kg（cables not included）	

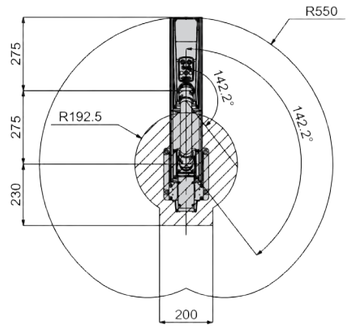
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Outer Dimensions and Motion Range



Detailed view from A





Shaded area indicates operation blind spot

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SP series

Scara Robot

SP10-5010



Operating range

Arm length 500mm

Joint#3 stroke 100mm

Payload

Rated 5kg/Maximum10kg

Repeatability

Joint #1,#2 ±0.025mm

Joint #3 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

Motion parameters

Joint / Content	#1	#2	#3
Max Operating Speed	7133mm/s		1063mm/s
Max Motion Range	±142.2°	±142.2°	100mm
Motor Power Consumption	750W	750W	100W
Weight	28kg（cables not included）		

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SP series

Scara Robot

SP10-5010



Operating range

Arm length 500mm

Joint#3 stroke 100mm

Payload

Rated 5kg/Maximum10kg

Repeatability

Joint #1,#2 ±0.025mm

Joint #3 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

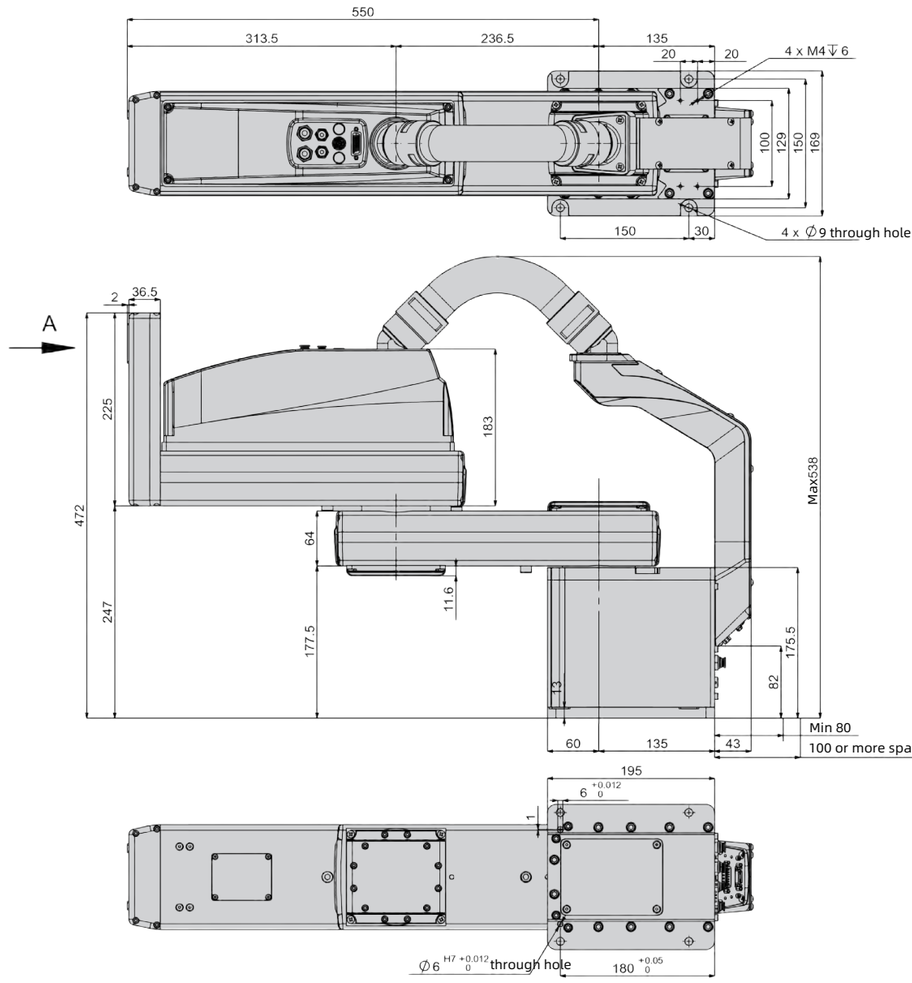
※ Test results under specified conditions of our company.

Motion parameters

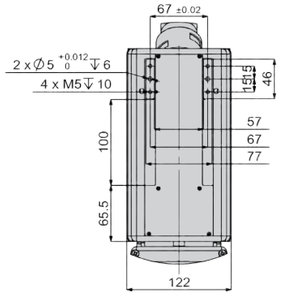
Joint / Content	#1	#2	#3
Max Operating Speed	7133mm/s		1063mm/s
Max Motion Range	±142.2°	±142.2°	100mm
Motor Power Consumption	750W	750W	100W
Weight	28kg（cables not included）		

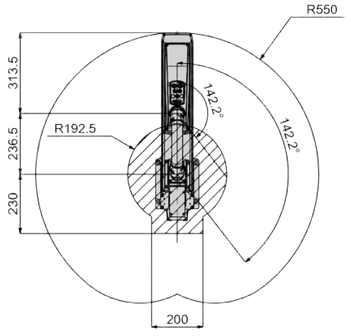
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Outer Dimensions and Motion Range



Detailed view from A





Shaded area indicates operation blind spot

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SP series

Scara Robot

SP10-6000



Operating range

Arm length 600mm

Payload

Rated 5kg/Maximum10kg

Repeatability

Joint #1,#2 ±0.025mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

Motion parameters

Joint / Content	#1	#2
Max Operating Speed	7406 mm/s	
Max Motion Range	±142.2°	±142.2°
Motor Power Consumption	750W	750W
Weight	29kg（cables not included）	

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SP series

Scara Robot

SP10-6000



Operating range

Arm length 600mm

Payload

Rated 5kg/Maximum10kg

Repeatability

Joint #1,#2 ±0.025mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

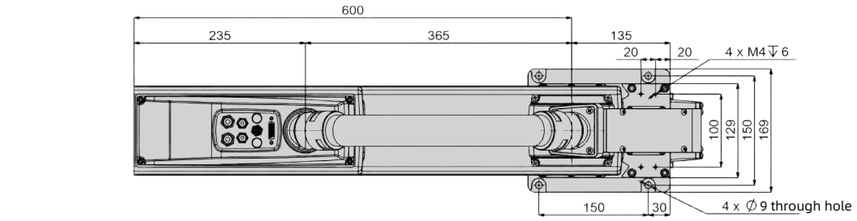
※ Test results under specified conditions of our company.

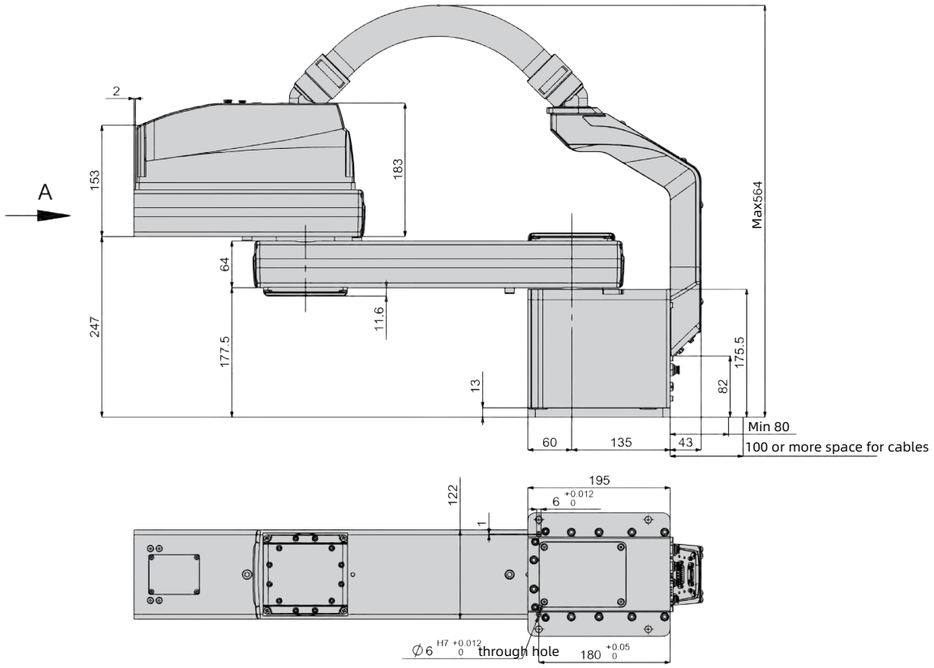
Motion parameters

Joint / Content	#1	#2
Max Operating Speed	7406mm/s	
Max Motion Range	±142.2°	±142.2°
Motor Power Consumption	750W	750W
Weight	29kg（cables not included）	

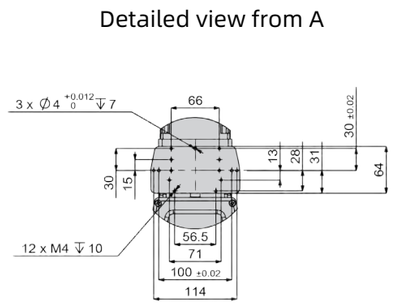
www.sharewell.cc

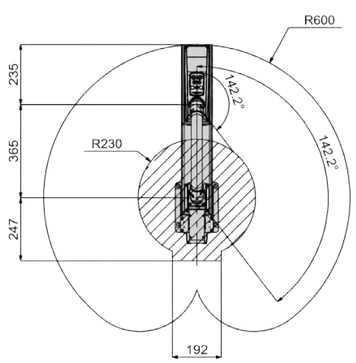
Outer Dimensions and Motion Range





Detailed view from A





Shaded area indicates operation blind spot

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SP series

Scara Robot

SP10-6010



Operating range

Arm length 600mm

Joint#3 stroke 100mm

Payload

Rated 5kg/Maximum10kg

Repeatability

Joint #1,#2 ±0.025mm

Joint #3 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

Motion parameters

Joint / Content	#1	#2	#3
Max Operating Speed	7891mm/s		1063mm/s
Max Motion Range	±142.2°	±142.2°	100mm
Motor Power Consumption	750W	750W	100W
Weight	27kg（cables not included）		

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SP series

Scara Robot

SP10-6010



Operating range

Arm length 600mm

Joint#3 stroke 100mm

Payload

Rated 5kg/Maximum10kg

Repeatability

Joint #1,#2 ±0.025mm

Joint #3 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

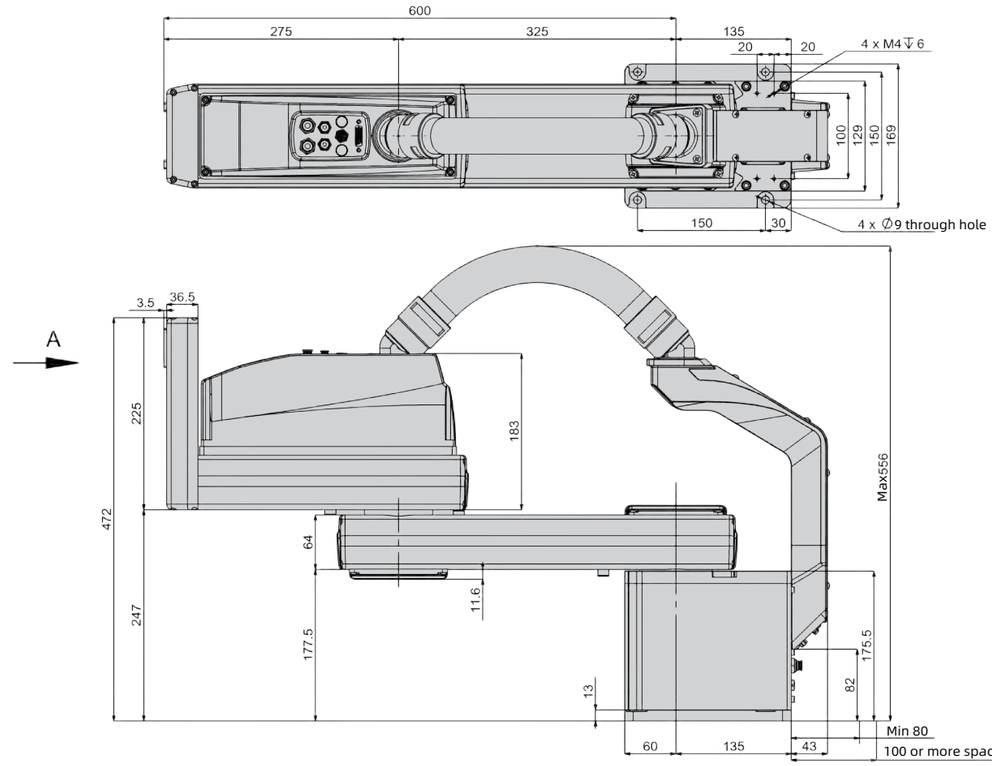
※ Test results under specified conditions of our company.

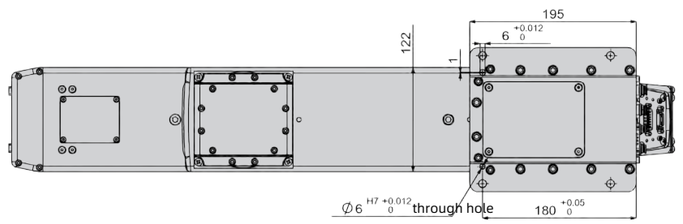
Motion parameters

Joint / Content	#1	#2	#3
Max Operating Speed	7891mm/s		1063mm/s
Max Motion Range	±142.2°	±142.2°	100mm
Motor Power Consumption	750W	750W	100W
Weight	27kg（cables not included）		

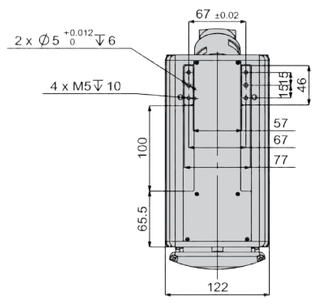
www.sharewell.cc

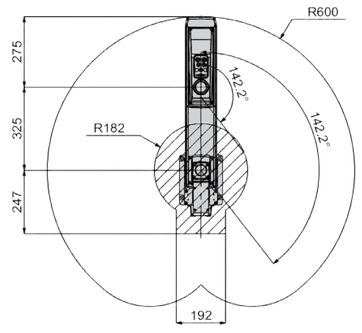
Outer Dimensions and Motion Range





Detailed view from A





Shaded area indicates operation blind spot

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SP series

Scara Robot

SP10-7000



Operating range

Arm length 700mm

Payload

Rated 5kg/Maximum10kg

Repeatability

Joint #1,#2 ±0.025mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

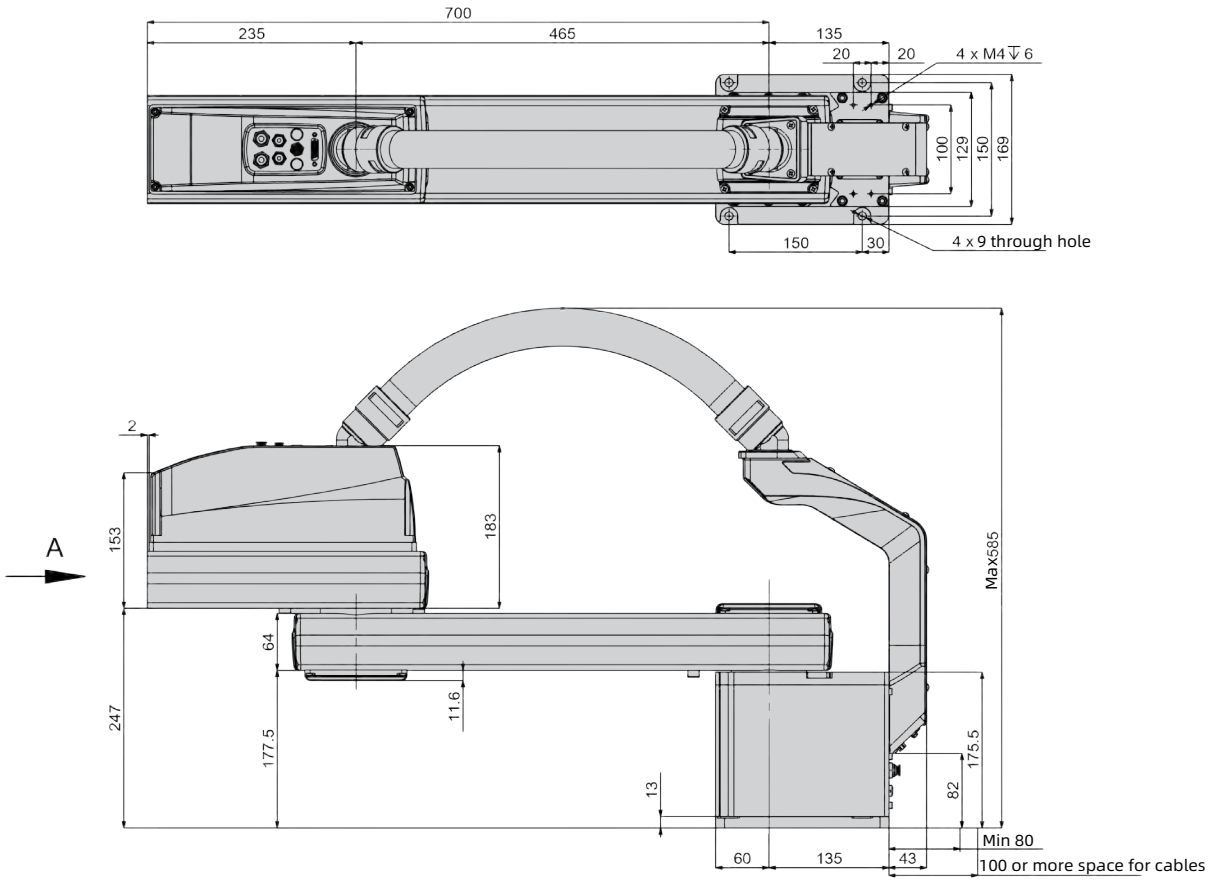
Motion parameters

Joint / Content	#1	#2
Max Operating Speed	8165mm/s	
Max Motion Range	±142.2°	±142.2°
Motor Power Consumption	750W	750W
Weight	30kg（cables not included）	

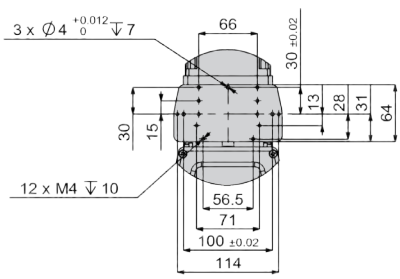
www.sharewell.cc

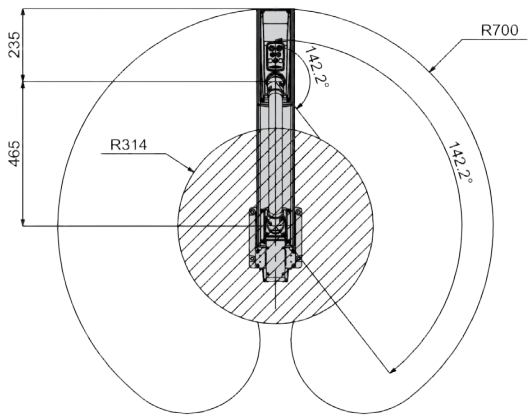
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Outer Dimensions and Motion Range



Detailed view from A





Shaded area indicates operation blind spot

SP series

Scara Robot

SP10-7010



Operating range

Arm length 700mm

Joint#3 stroke 100mm

Payload

Rated 5kg/Maximum10kg

Repeatability

Joint #1,#2 ±0.025mm

Joint #3 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

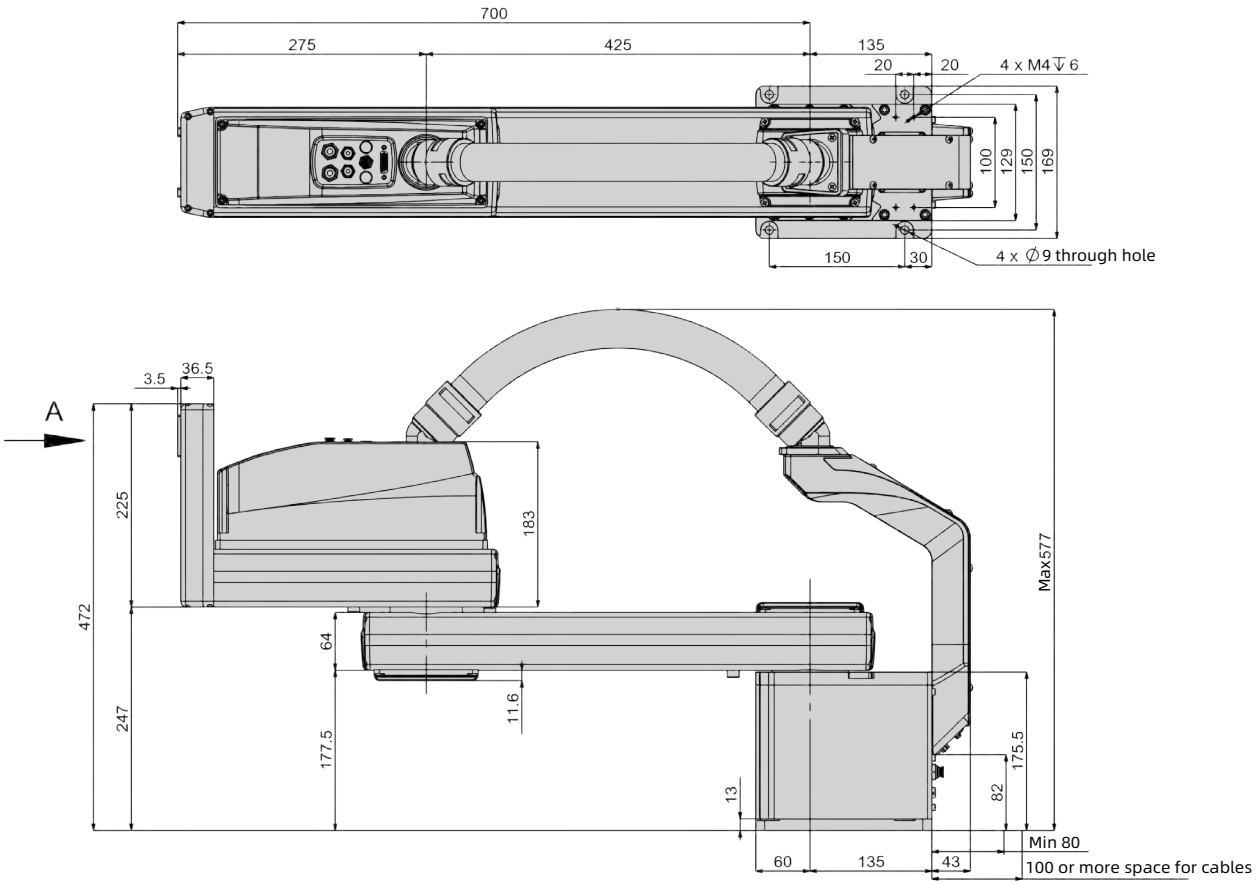
Motion parameters

Joint / Content	#1	#2	#3
Max Operating Speed	8650mm/s		1063mm/s
Max Motion Range	±142.2°	±142.2°	100mm
Motor Power Consumption	750W	750W	100W
Weight	28kg（cables not included）		

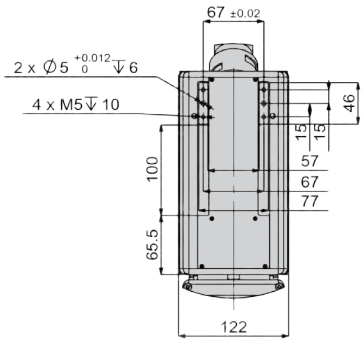
www.sharewell.cc

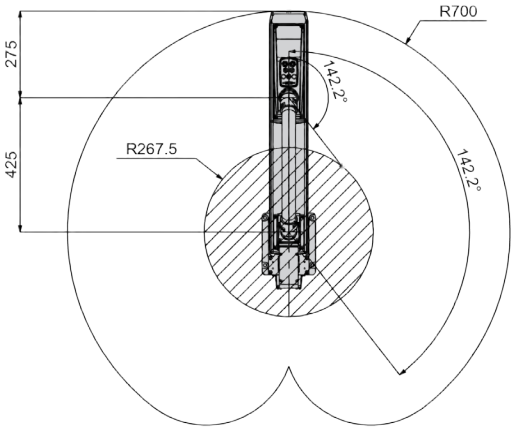
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Outer Dimensions and Motion Range



Detailed view from A





Shaded area indicates operation blind spot

SP series

Scara Robot

SP40-8000



Operating range

Arm length 800mm

Payload

Rated 20kg/Maximum40kg

Repeatability

Joint #1,#2 ±0.025mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

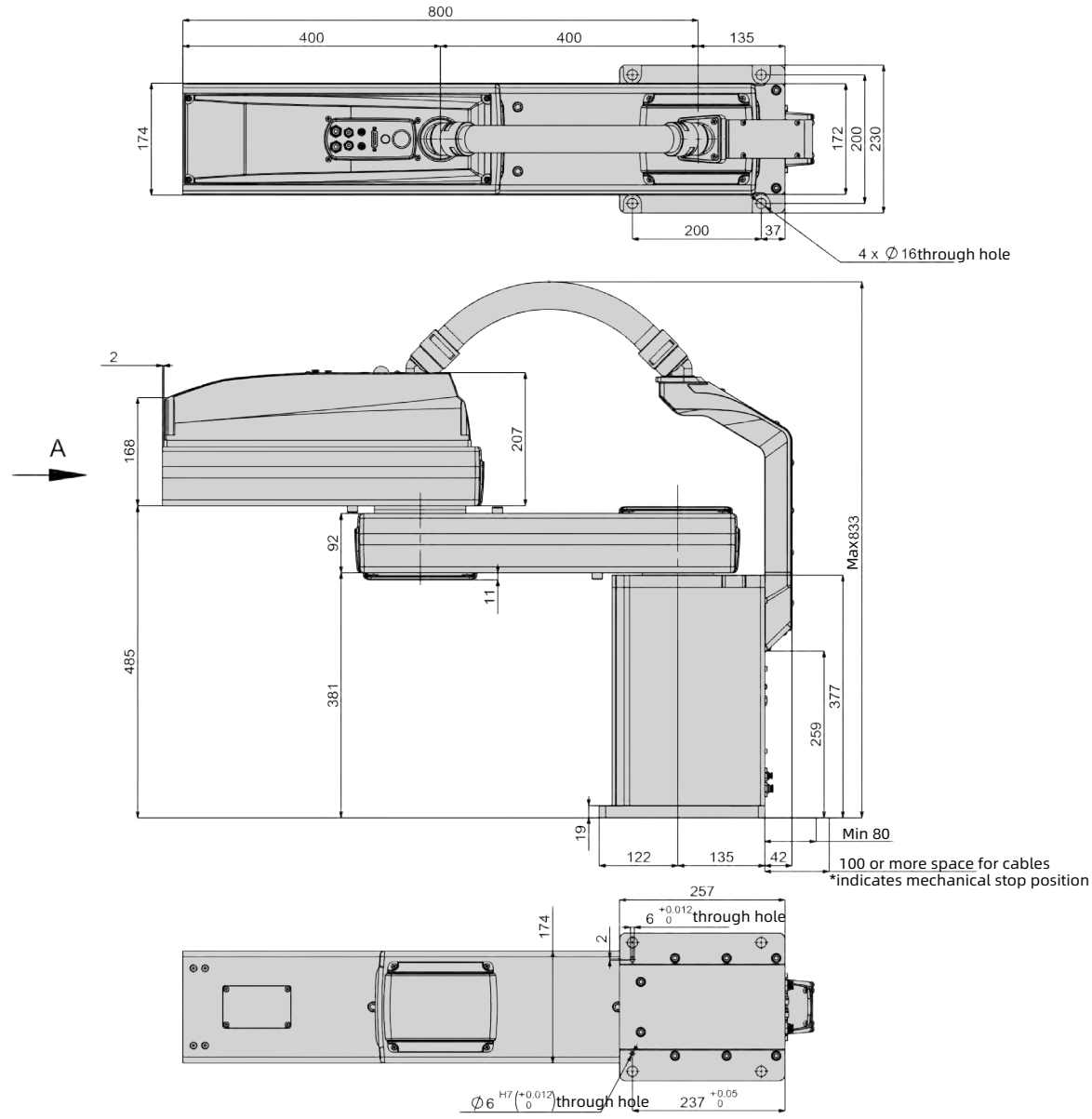
Motion parameters

Joint / Content	#1	#2
Max Operating Speed	9106mm/s	
Max Motion Range	±131°	±150°
Motor Power Consumption	1000W	750W
Weight	46kg（cables not included）	

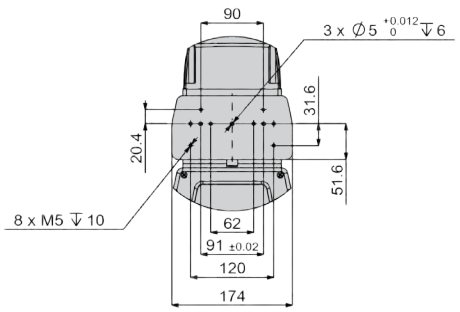
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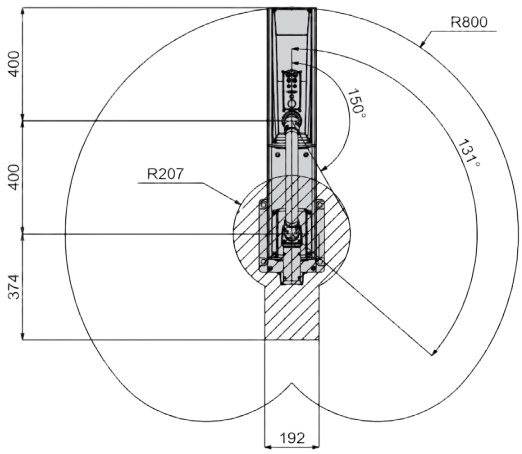
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Outer Dimensions and Motion Range



Detailed view from A





Shaded area indicates operation blind spot

SP series

Scara Robot

SP40-8020



Operating range

Arm length 800mm

Joint#3 stroke 200mm

Payload

Rated 20kg/Maximum40kg

Repeatability

Joint #1,#2 ±0.025mm

Joint #3 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

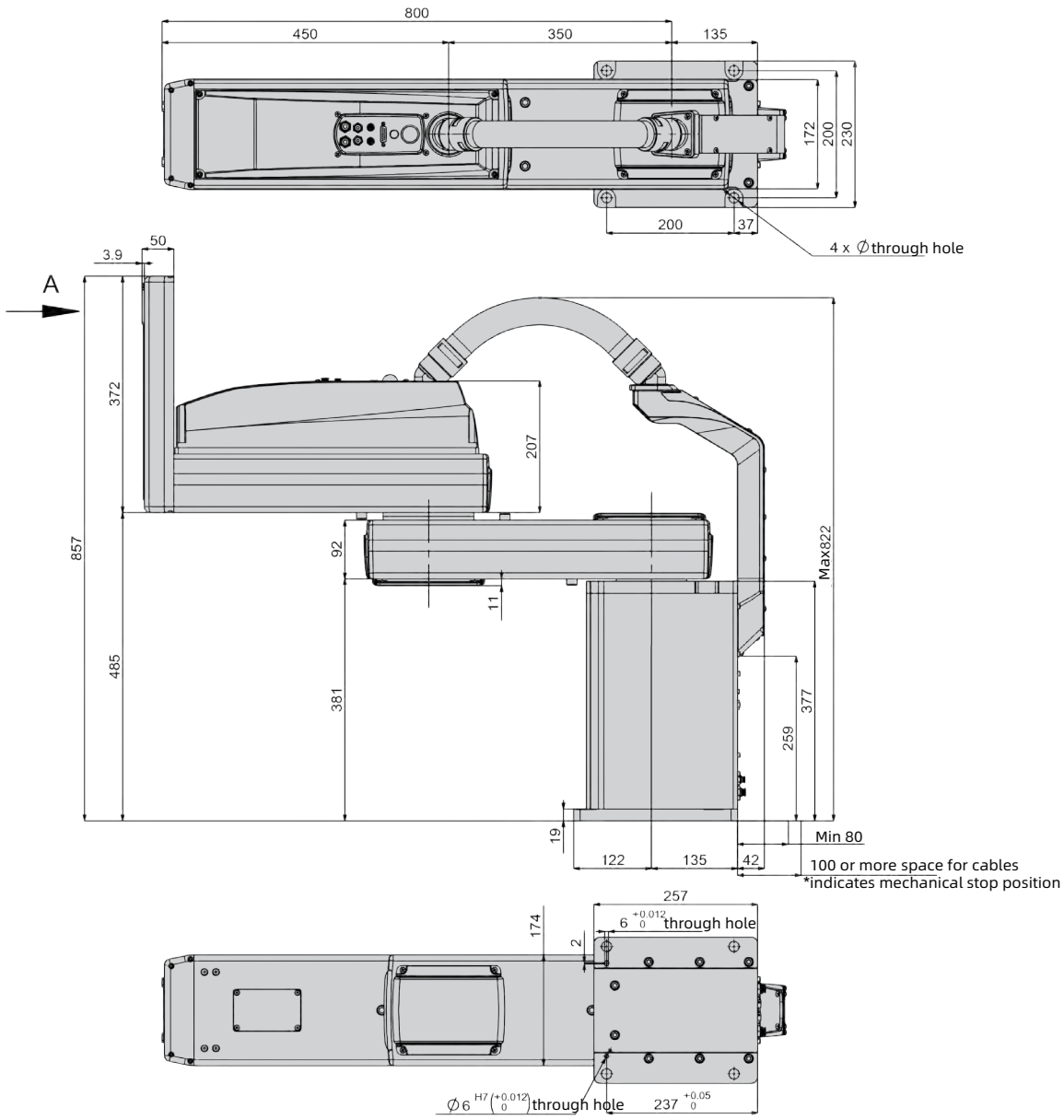
Motion parameters

Content \ Joint	#1	#2	#3
Max Operating Speed	9675mm/s		1450mm/s
Max Motion Range	±131°	±150°	200mm
Motor Power Consumption	1000W	750W	400W
Weight	48kg（cables not included）		

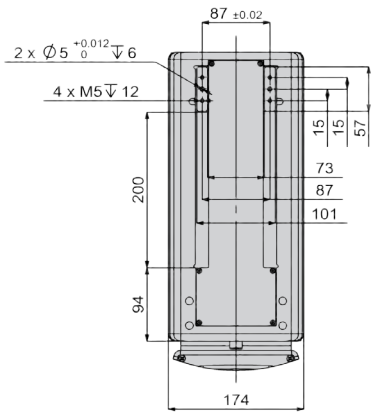
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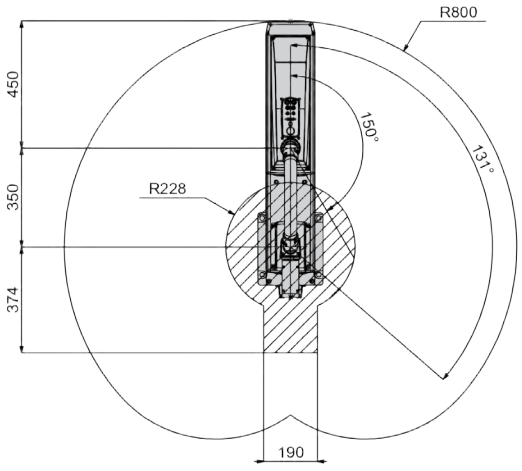
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Outer Dimensions and Motion Range



Detailed view from A





Shaded area indicates operation blind spot

SP series

Scara Robot

SP40-9000



Operating range

Arm length 900mm

Payload

Rated 20kg/Maximum40kg

Repeatability

Joint #1,#2 ±0.025mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

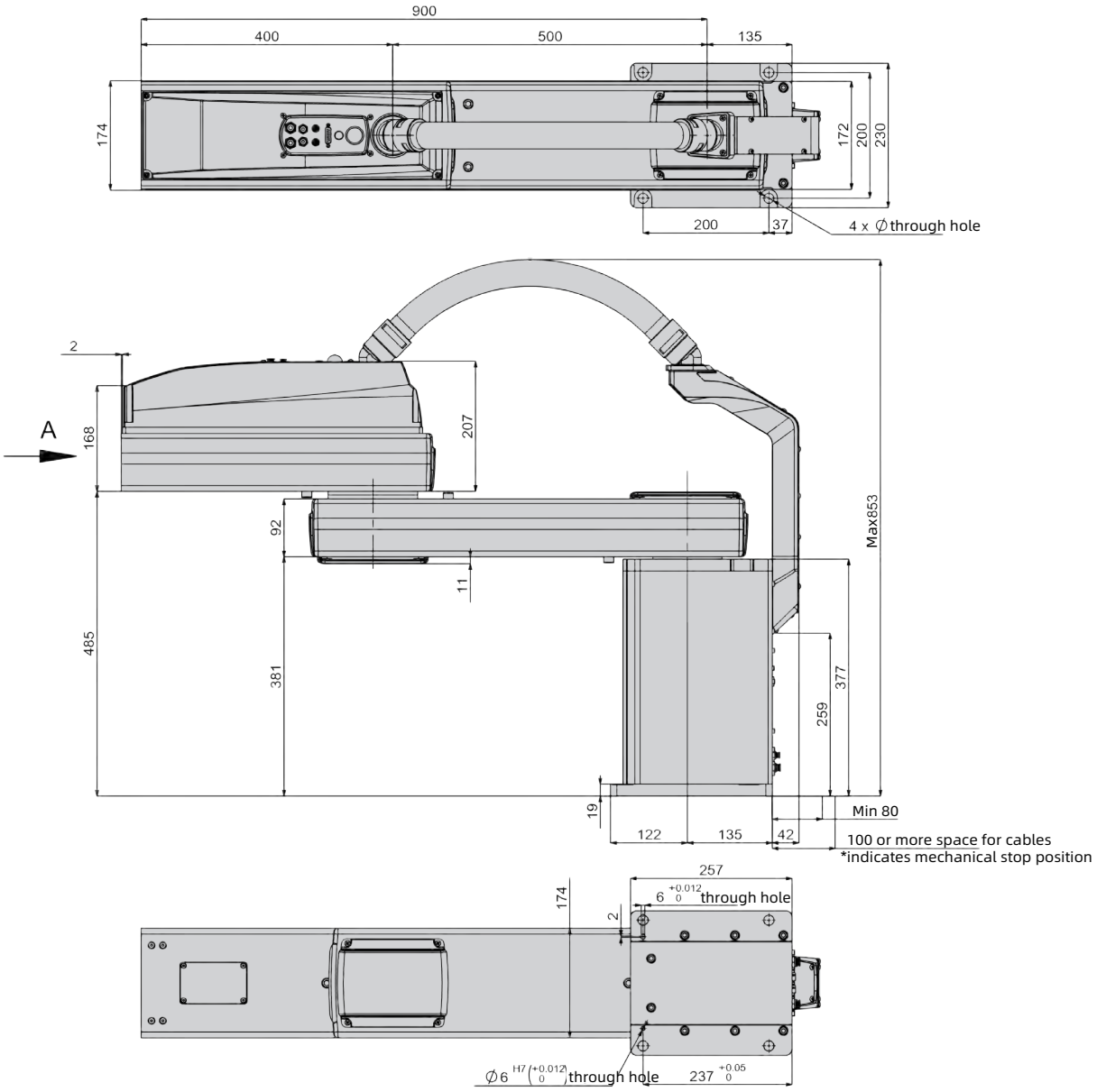
Motion parameters

Joint / Content	#1	#2
Max Operating Speed	9864mm/s	
Max Motion Range	±131°	±150°
Motor Power Consumption	1000W	750W
Weight	49kg（cables not included）	

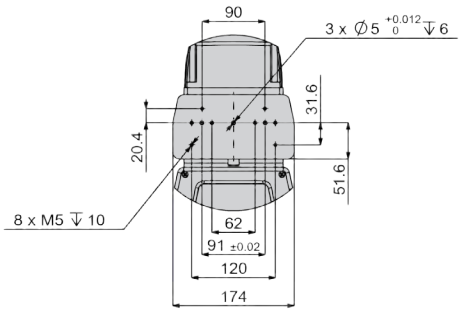
www.sharewell.cc

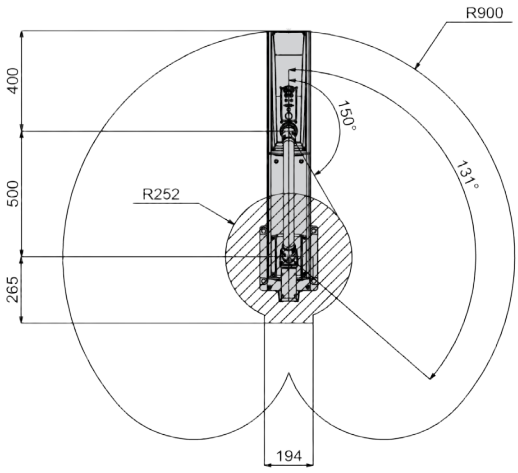
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Outer Dimensions and Motion Range



Detailed view from A





Shaded area indicates operation blind spot

SP series

Scara Robot

SP40-9020



Operating range

Arm length 900mm

Joint#3 stroke 200mm

Payload

Rated 20kg/Maximum40kg

Repeatability

Joint #1,#2 ±0.025mm

Joint #3 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

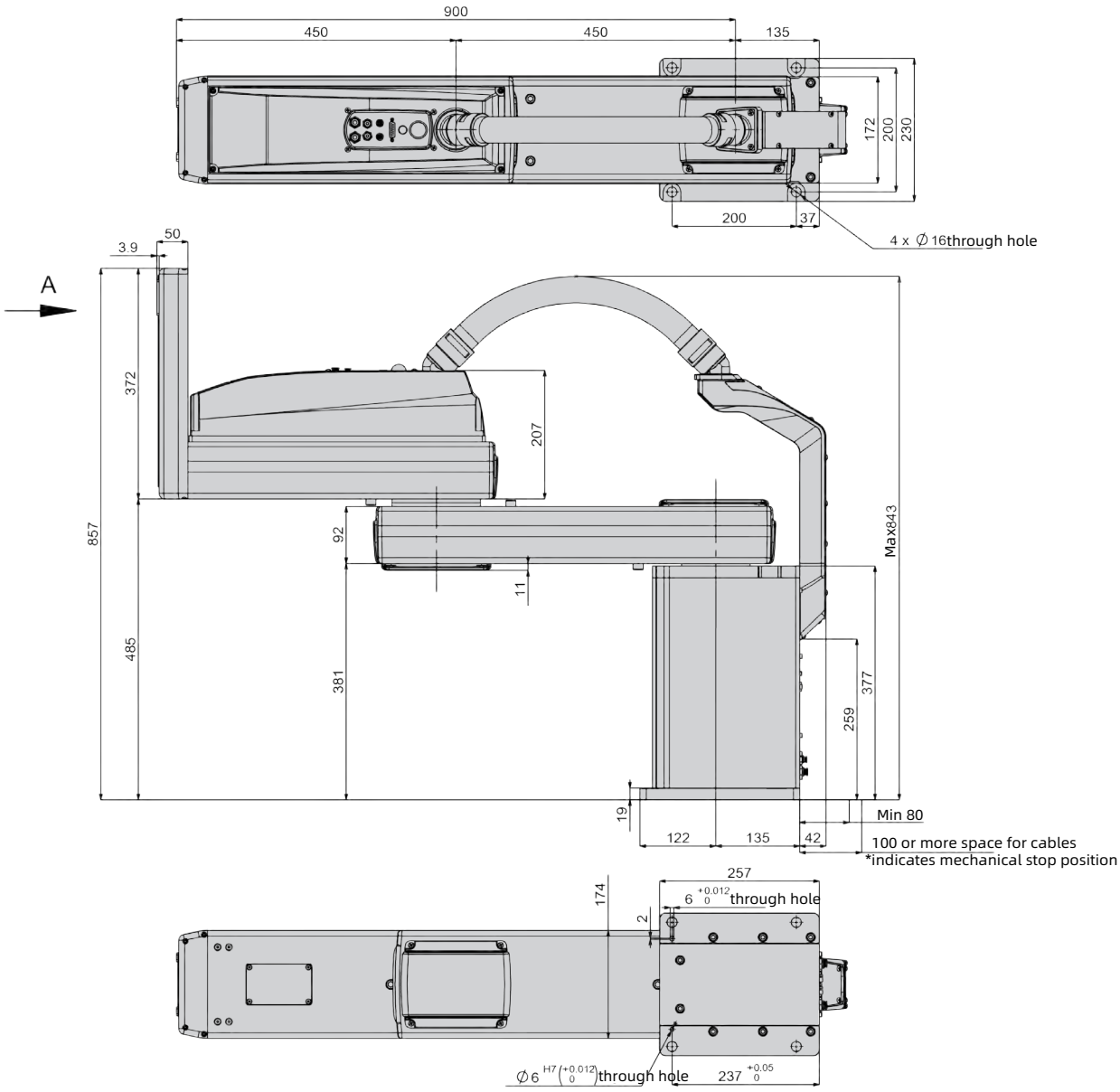
Motion parameters

Joint / Content	#1	#2	#3
Max Operating Speed	10244mm/s		1450mm/s
Max Motion Range	±131°	±150°	200mm
Motor Power Consumption	1000W	750W	400W
Weight	51kg（cables not included）		

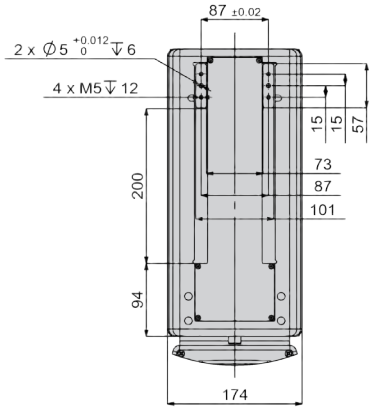
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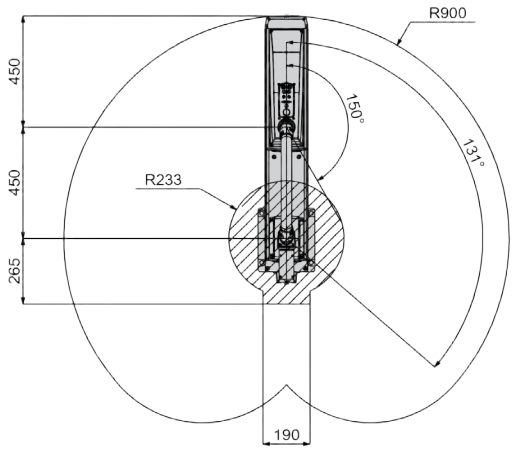
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Outer Dimensions and Motion Range



Detailed view from A





Shaded area indicates operation blind spot

SP series

Scara Robot

SP40-1000



Operating range

Arm length 1000mm

Payload

Rated 20kg/Maximum40kg

Repeatability

Joint #1,#2 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

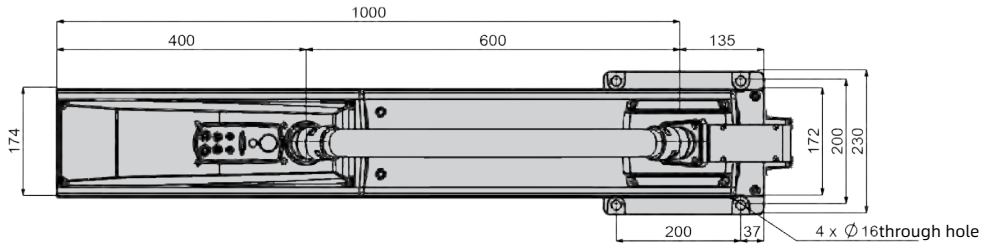
Motion parameters

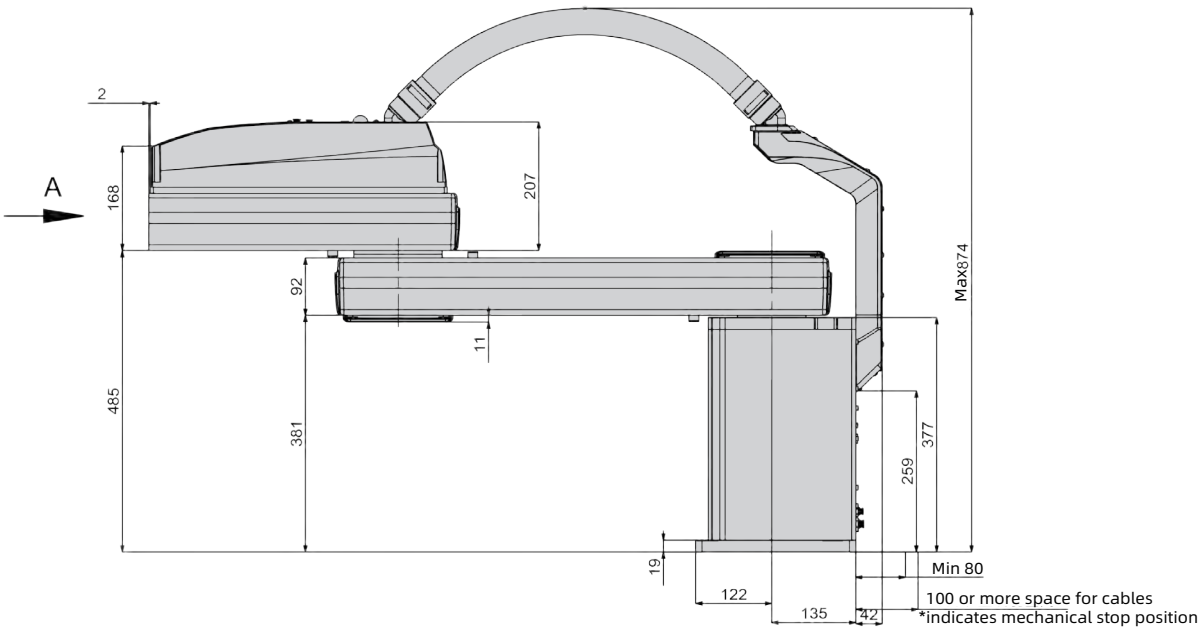
Joint / Content	#1	#2
Max Operating Speed	10623mm/s	
Max Motion Range	±131°	±150°
Motor Power Consumption	1000W	750W
Weight	52kg（cables not included）	

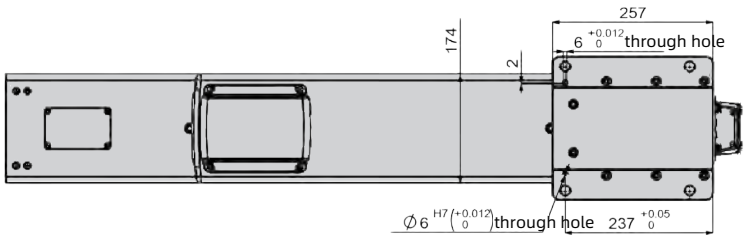
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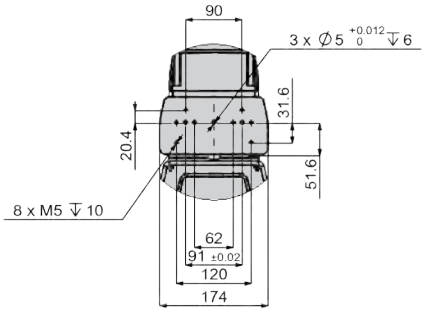
Outer Dimensions and Motion Range

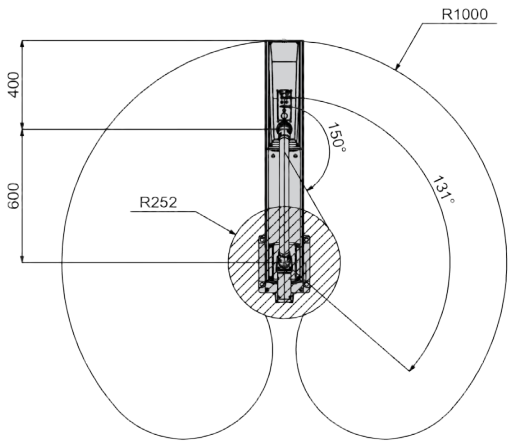






Detailed view from A





Shaded area indicates operation blind spot

SP series

Scara Robot

SP40-1002



Operating range

Arm length 1000mm

Joint#3 stroke 200mm

Payload

Rated 20kg/Maximum40kg

Repeatability

Joint #1,#2 ±0.025mm

Joint #3 ±0.01mm

Electrical parameters

Origin Return	None Need Origin Return
Installed wire for customer	26Pin（D-Sub Connector）
Installed pneumatic tube for customer use	ϕ4mm*2，ϕ6mm*2
Visual Interface	M12*2 Gigabit network interface
Installation Environment	Standerd/Clean（Customized）

※ Test results under specified conditions of our company.

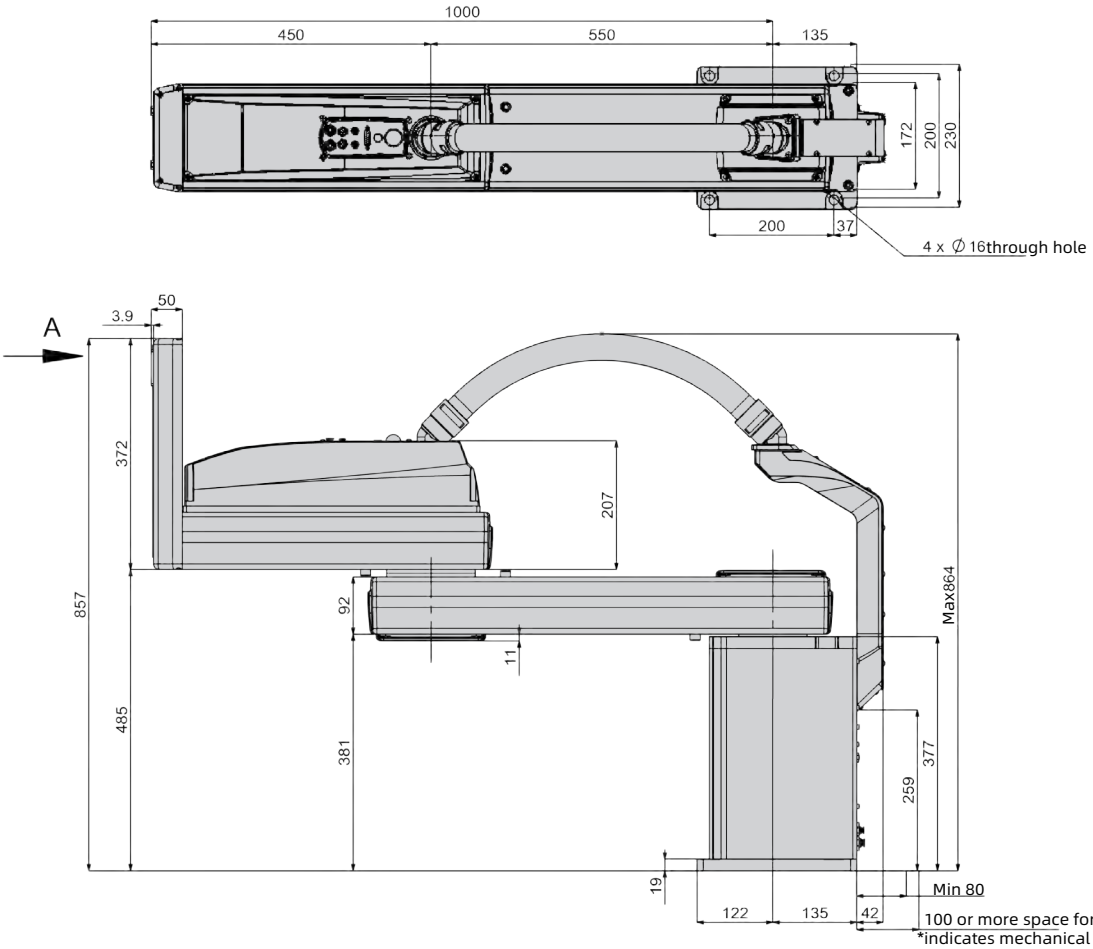
Motion parameters

Joint / Content	#1	#2	#3
Max Operating Speed	11003mm/s		1450mm/s
Max Motion Range	±131°	±150°	200mm
Motor Power Consumption	1000W	750W	400W
Weight	54kg（cables not included）		

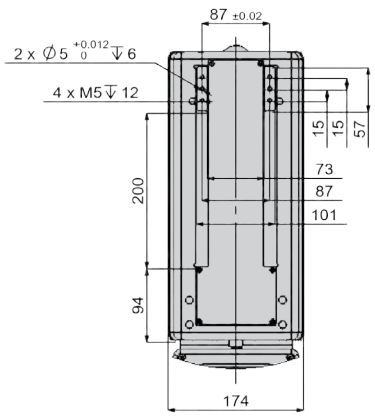
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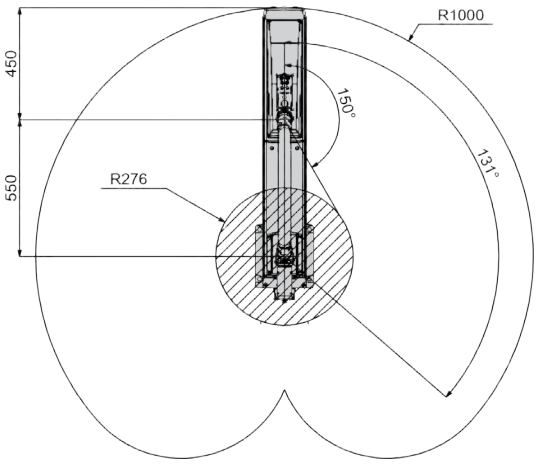
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Outer Dimensions and Motion Range



Detailed view from A





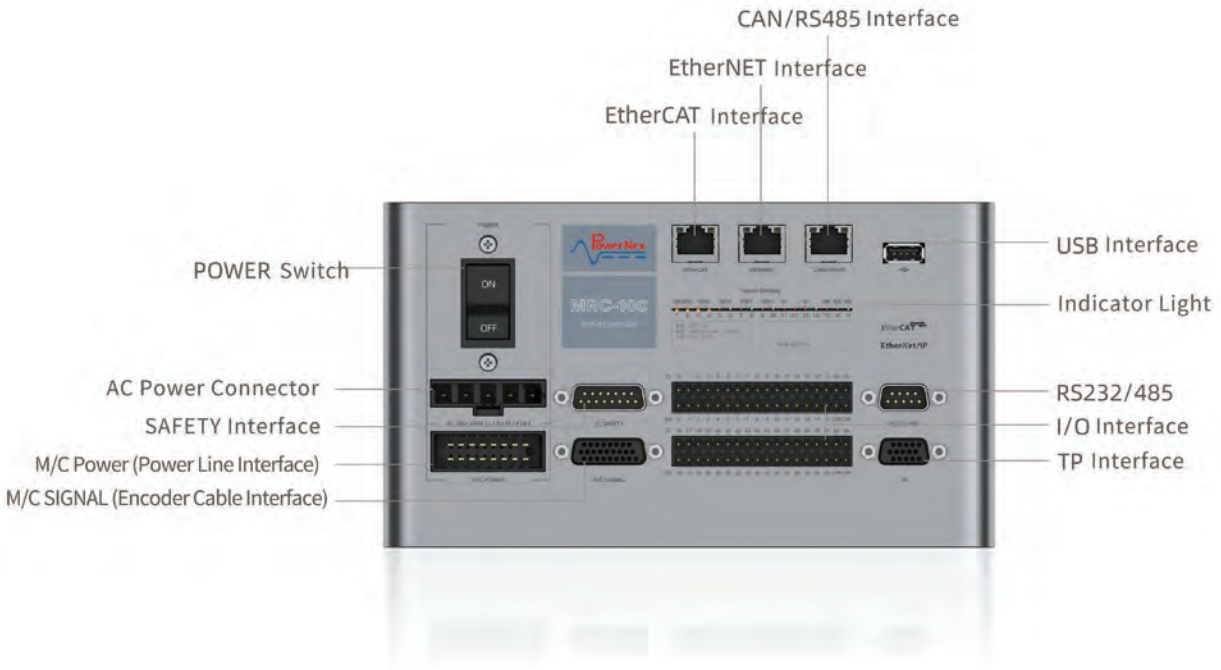
Shaded area indicates operation blind spot

MRC-100

Robot Controller— Robot Controller

Abundant device interfaces, designed for the expansion of specialized four-axis robotic arms

External Dimensions:
L217mm * W237mm * H125mm



Maximum number of control axes	4-axis
Supported robot models	P3/P6/P10/P20/P40
Types of exercise	PTP (Point-To-Point) mode CP (Continuous Path) mode
IO	Input: 16 (standard) Output: 16 (standard)
Interface configuration	EtherCAT(network port)*1 、 EtherNet(network port)*1 CAN/RS485(network port)*1、 USB2.0*1 RS232/485(serial port)*1、 safety door interface*1
Communication protocol (standard)	EtherNet/IP(Slave)、EtherCAT(Master) ModBus - TCP/RTU(Master/Slave) TCP/IP 、 Mitsubishi PLC-MC Protocol (Slave)
Communication protocol (Expansion)	PROFINET(Master Station) - Additional gateway module required

Rated capacity	Maximum input power 4kW The actual rated capacity depends on the type, motion and load of the robotic arm P3： 0.8 Kw E4： 1.1 Kw P6/R6： 1.2 Kw P10： 2.4 Kw P20/P40/E10： 2.65 Kw
Input voltage	220V AC±10%
frequency	50Hz
noise	50dB
Installation and Usage Environment	Indoor installation (avoid direct sunlight), free from corrosive gases (avoid oil fumes, flammable gases, and fine dust); Ambient temperature 5~45°C (if exceeding 45°C or above, enforce surrounding air circulation)
Net weight of controller	6KG

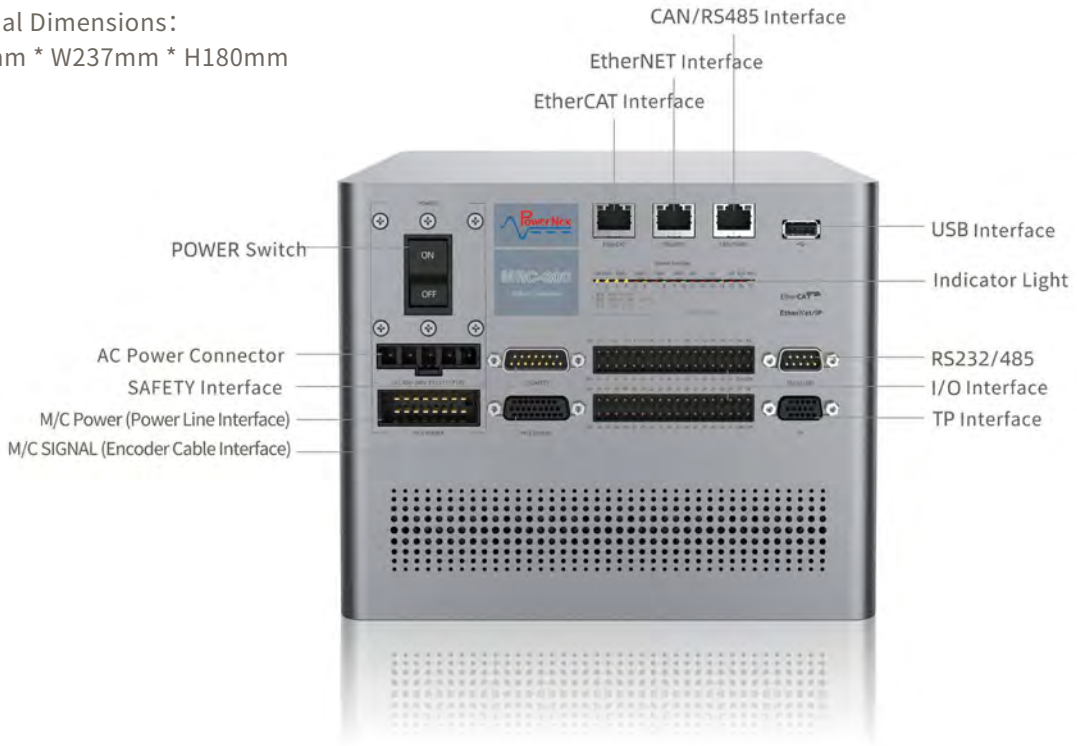
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MRC-200

Robot Controller— Robot Controller

Extensive device interfaces, intended for the expansion of heavy-duty robotic arm specialized machines

External Dimensions:
L217mm * W237mm * H180mm



Maximum number of control axes	4-axis
Supported robot models	P60-1004S/P60-1204S P100-1204S
Types of exercise	PTP (Point-To-Point) mode CP (Continuous Path) mode
IO	Input: 16 (standard) Output: 16 (standard)
Interface configuration	EtherCAT(network port)*1 、 EtherNet(network port)*1 CAN/RS485(network port)*1、 USB2.0*1 RS232/485(serial port)*1、 safety door interface*1
Communication protocol (standard)	EtherNet/IP(Slave)、EtherCAT(Master) ModBus - TCP/RTU(Master/Slave) TCP/IP、 Mitsubishi PLC-MC Protocol (Slave)
Communication protocol (Expansion)	PROFINET(Master Station) - Additional gateway module required

Rated capacity	Maximum input power 7.5kW The actual rated capacity depends on the type, motion and load of the robotic arm P60/P100： 4.6 Kw
Input voltage	220V AC±10% / 380V AC±5%
frequency	50Hz
noise	50dB
Installation and Usage Environment	Indoor installation (avoid direct sunlight), free from corrosive gases (avoid oil fumes, flammable gases, and fine dust); Ambient temperature 5~45°C (if exceeding 45°C or above, enforce surrounding air circulation)
Net weight of controller	9KG

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Teach Pendant

Features:

1. 1.7-inch 16:9 LCD with touch screen
2. TFT LED screen
3. Supports FDM standard (75×75mm hole spacing) for bracket and wall mount installation
4. Combines buttons and touch functionality, providing wider application scenarios and more flexible options
5. Color display with 16.77 million true colors

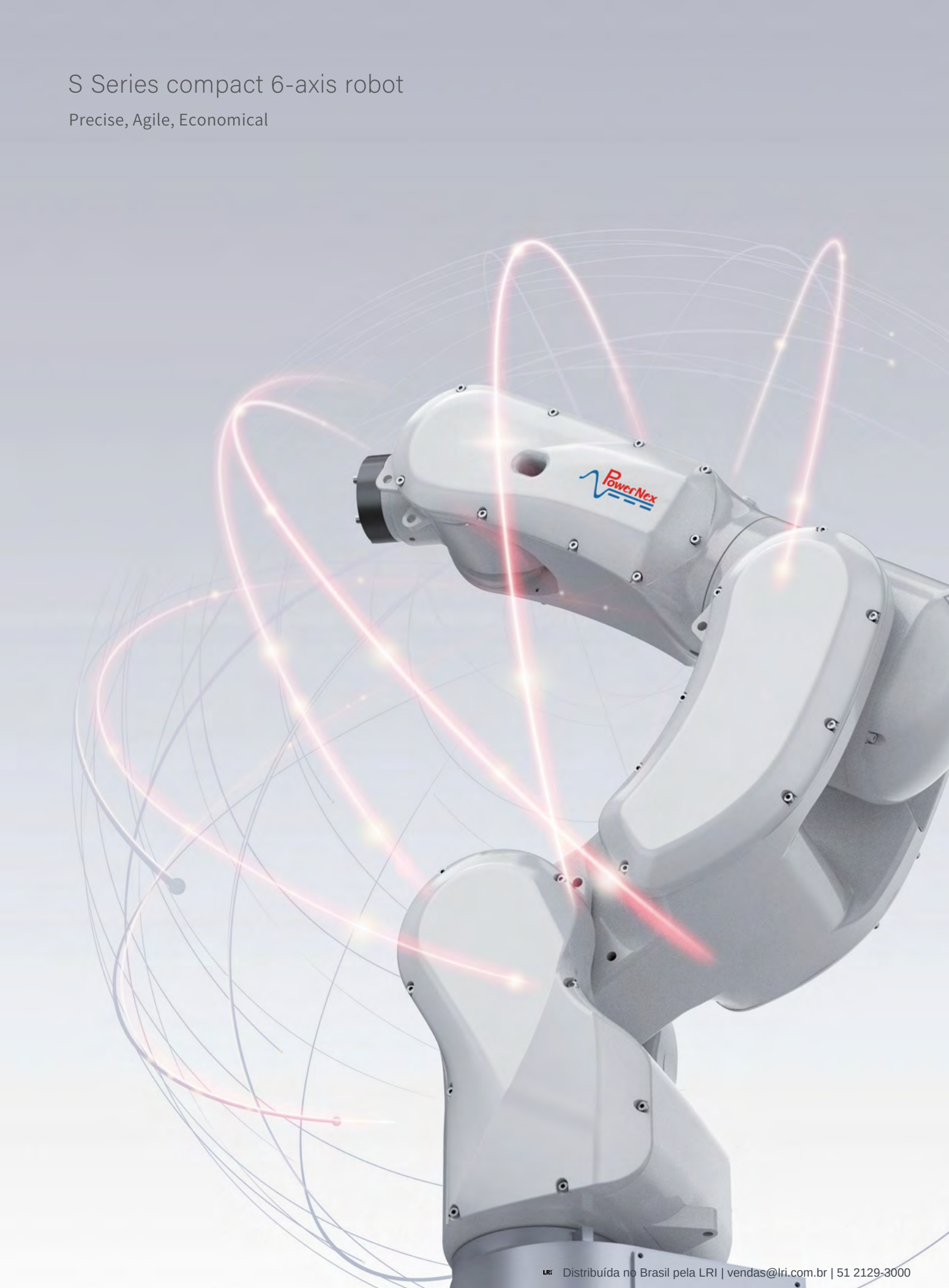


Performance specifications	Touch panel:	4-wire precision resistive network (surface hardness 4H)
	Programmable Button	10Pcs
	Programmable LED	2Pcs
	Emergency stop switch:	1Pcs
	Three-Position Selector Switch	1Pcs
	Serial Port:	1 Pcs RS485-2, RS232
	Communication Port:	RS485-2、RS232
Structural Specifications	Dimensions:	220×156×45(mm)
	Weight:	3KG
	Case Material:	Black Engineering Plastic
Electrical Specifications	Input Range:	DC16V~DC32V，Built-in Isolated Power Supply
	Allowable Power Loss:	<3ms
	Insulation Resistance:	＞50MΩ@500V DC
	Cable Length:	5M
Environmental specifications	Operating Ambient Temperature:	0~50℃
	Operating Ambient Humidity:	10~ 90% RH (non-condensing)
	Sine Vibration Test:	10~500Hz，30m/s^2，Three Axes / 1 Hour
	Cooling method:	Natural Air Cooling

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S Series compact 6-axis robot

Precise, Agile, Economical

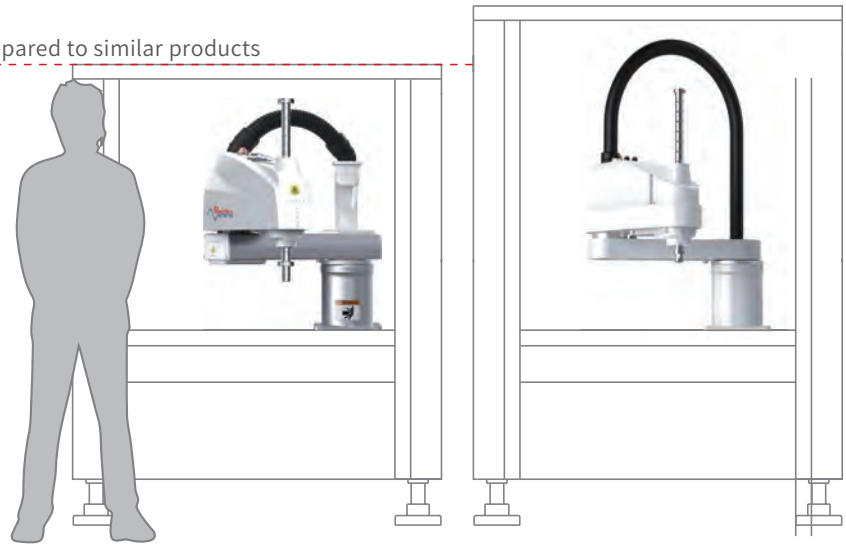


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PowerNex Innovation

140mm
Reduced Height

Reduced Body Height compared to similar products



Reduced Body Height, Saving 15% Space

Compared to similar robots, PowerNex has reduced its height by 140mm, reducing installation space requirements.



Customizable Arm Length to Meet More Personalized Needs

Flexible Arm Length Customization to Meet More Complex and Personalized Needs in the Field of Automation

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Richer Interfaces, Deployment Efficiency Improved by 3 Times

Equipped with 2 camera interfaces, up to 42 I/O interfaces, and 4 standard pneumatic connectors, significantly enhancing deployment efficiency and reducing maintenance costs.

2 Camera Interfaces

Gigabit Network Interface, Easier Deployment, More Durable.

42 I/O Interfaces

Standard: 26 via(D-Sub Interface)

Maximum： 42 I/O interfaces（ D-Sub Interface+M12*2 Aviation Connector）

4 Pneumatic Connectors

Φ4*2

Φ6*2



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PowerNex

为应用而生



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