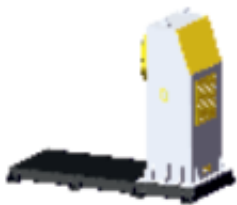
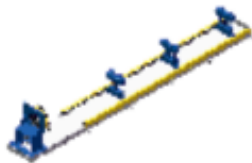


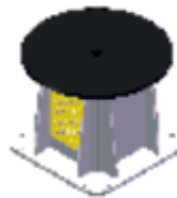
Laser chuck&Positioner&Ground rail Welding workstation



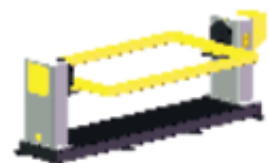
Single axis L



Single axis movable



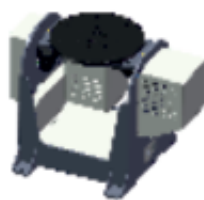
Single axis horizontal rotation



Single axis head and tail



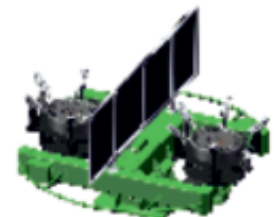
Dual axis L



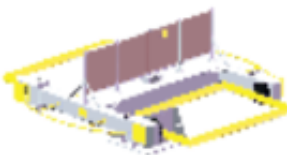
Dual axis P



Dual axis C



Five axis horizontal rotation



Three-axis horizontal rotation



Three-axis vertical tipping



Standard type



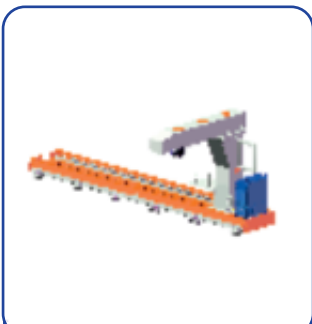
Semi-enclosed



Fully enclosed



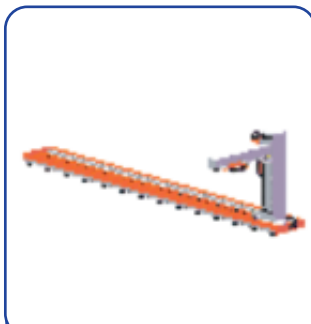
Roller type



Seven axis cantilever



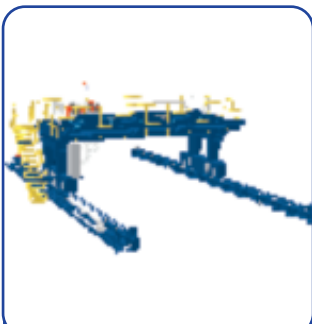
Eight axis cantilever



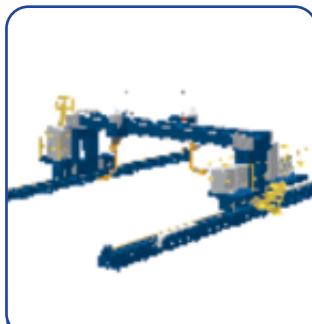
Nine axis cantilever



Nine axis cantilever



Gantry type ground rail



Gantry type ground rail



Roller type



Fully enclosed

Summary of trusses



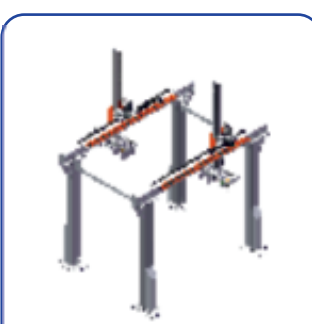
Truss



Truss



Truss



Truss



Ground rail welding station



Horizontal rotation workstation



Head and tail welding station



Agile welding station

Summary of Laser Chuck



XDS / XDH - 120



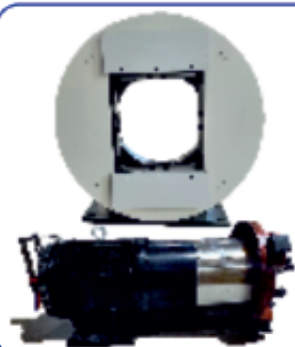
XDS / XDH - 170



XDS / XDH - 240



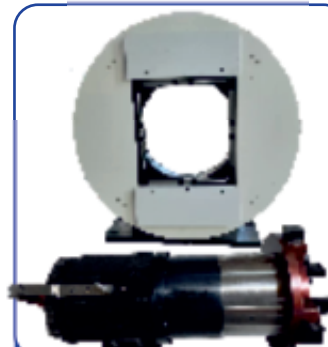
XDS / XDH - 350



XDS / XDH - 450

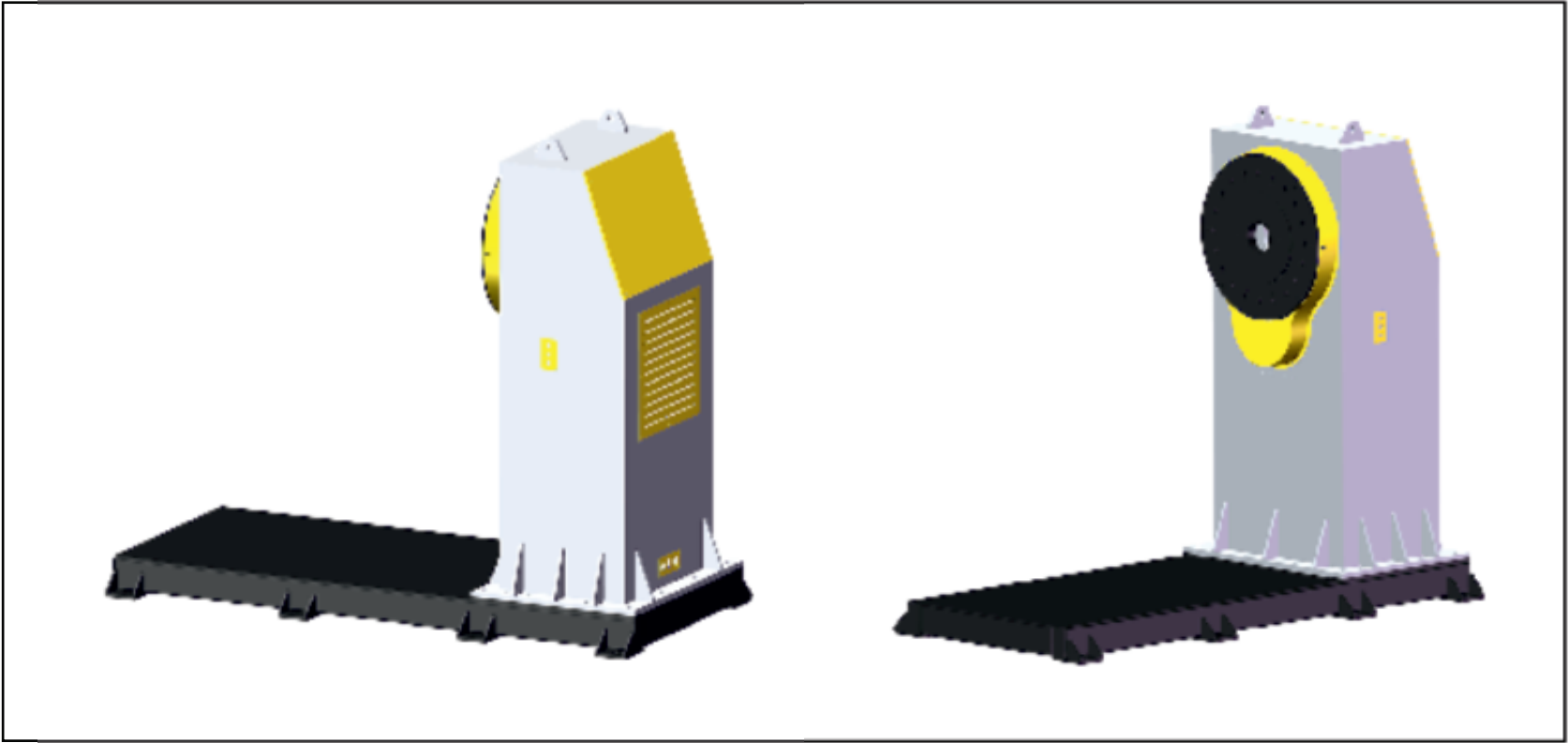


XDS / XDH - 500



XDS / XDH - 650

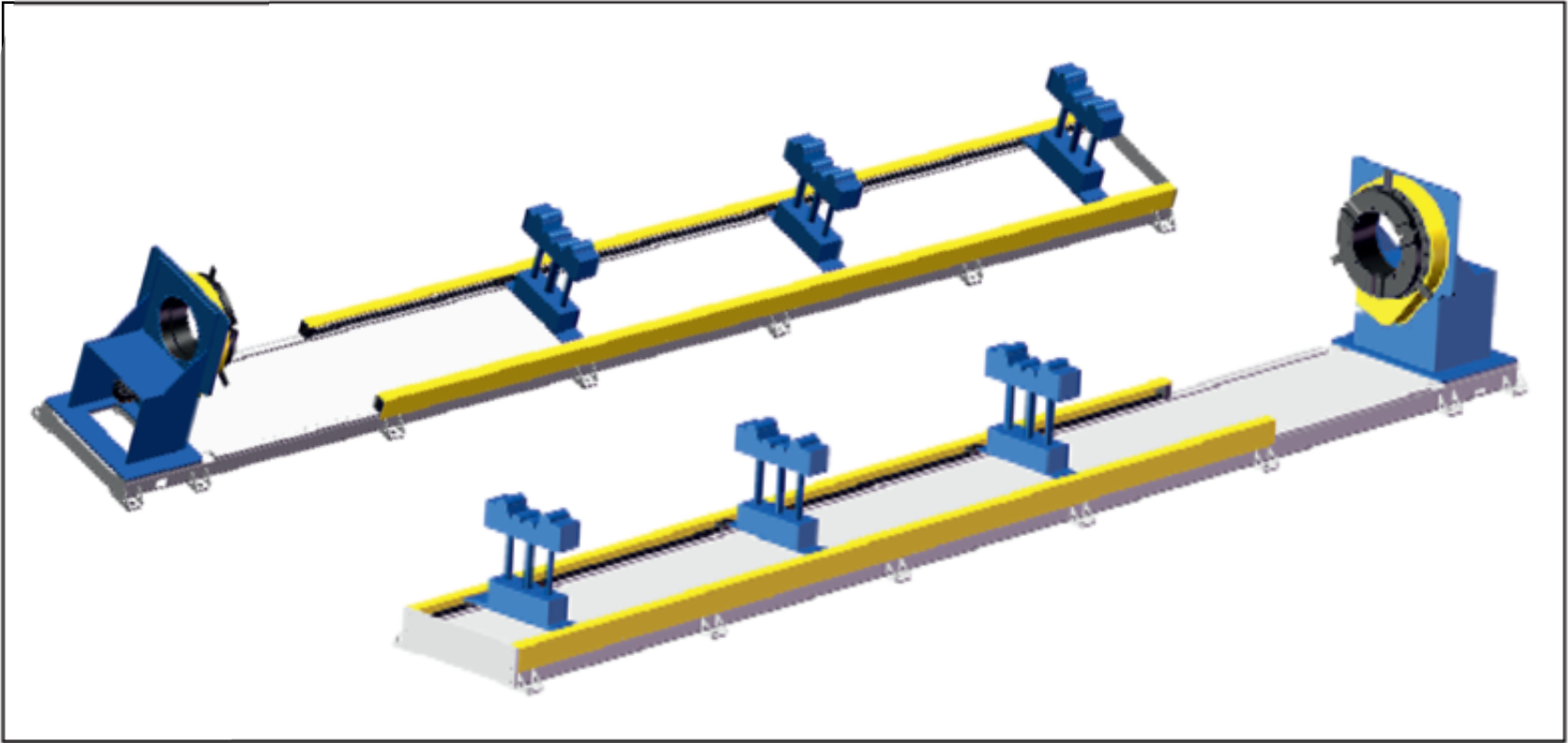
Product image



Specification

Product Name	Single axis L-type positioner
Load	500KG (Customization supported)
Center height	650mm(Customization supported)
Repeated positioning accuracy	± 0.02mm (measured at R500)
Number of axes	Single axis single drive
Rated speed	40°/sec
Standard color	Powder coating, RAL (Customization supported)
Disc diameter	600-1200mm (Customization supported)

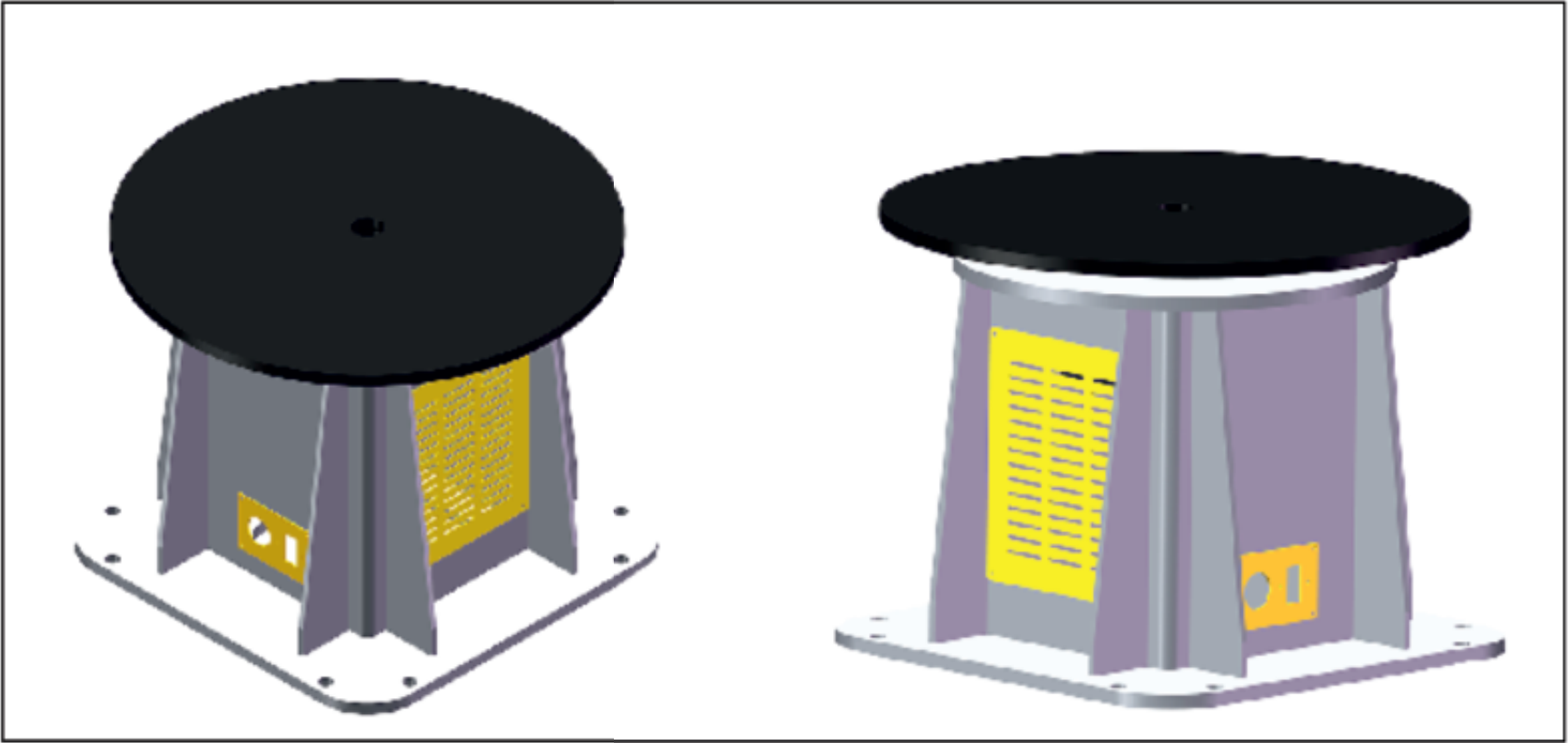
Product image



Specification

Product Name	Single axis movable positioner
Load	1000KG(Customization supported)
Center height	650mm(Customization supported)
Repeated positioning accuracy	± 0.02mm (measured at R500)
Number of axes	Single axis single drive
Rated speed	48.7°/sec
Standard color	Powder coating, RAL (Customization supported)
Clamping form	Chuck or customer fixture
Roller frame specifications	2500KG jack&manual movement+litiing

Product image



Specification

Product Name	Single axis horizontal rotary positioner
Load	500KG(Customization supported)
Center height	650mm(Customization supported)
Repeated positioning accuracy	± 0.02mm (measured at R500)
Number of axes	Single axis single drive
Rated speed	48.7°/sec
Standard color	Powder coating, RAL (Customization supported)
Disc diameter	600-1200mm (Customization supported)

Product image



Specification

Product Name	Single axis head and tail frame positioner
Load	500KG(Customization supported)
Medium frame size	2000mm * 800mm/3000mm * 800mm (Customization supported)
Center height	650mm (Customization supported)
Repeated positioning accuracy	± 0.02mm (measured at R500)
Number of axes	Single axis single drive
Rated speed	78°/sec
Standard color	Powder coating, RAL (Customization supported)

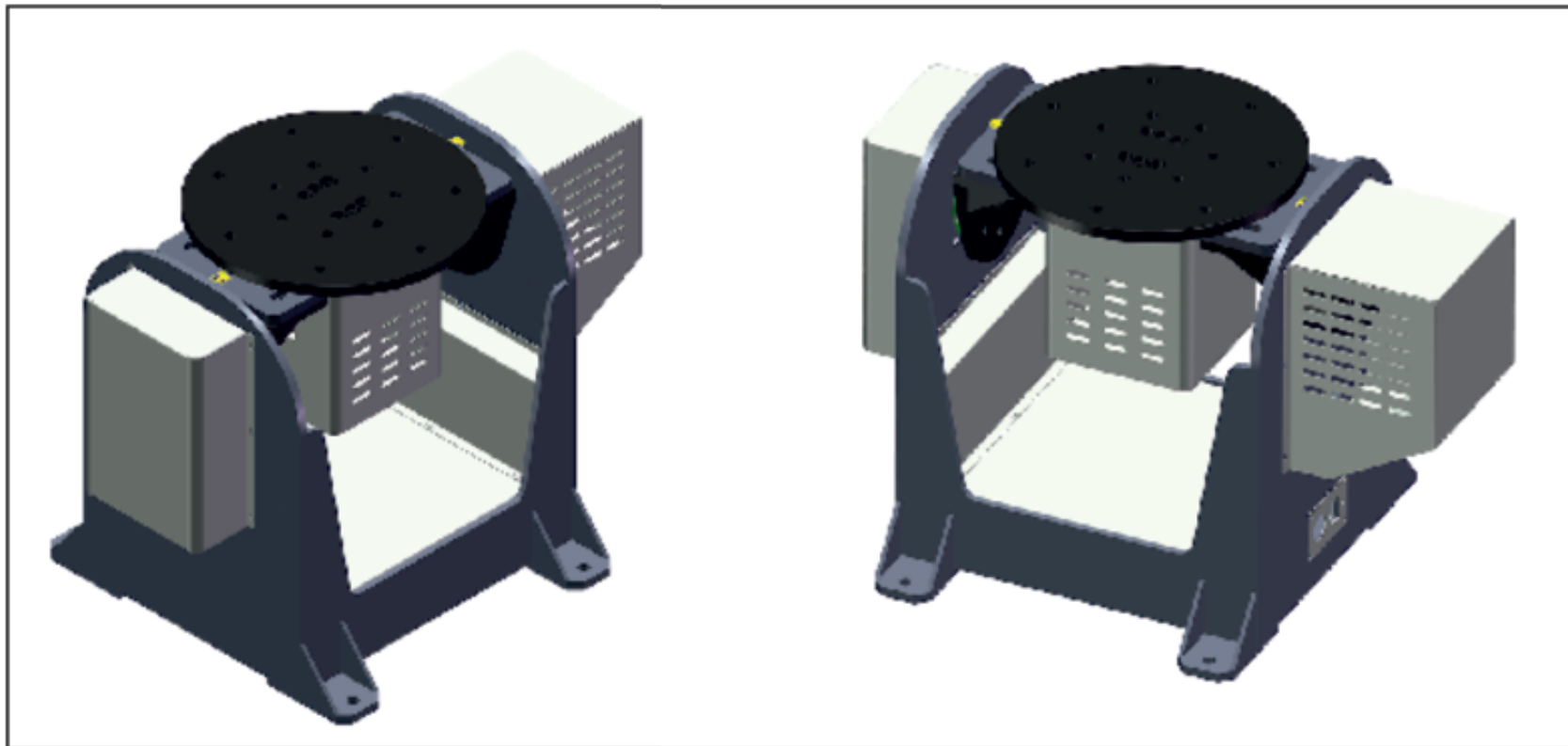
Product image



Specification

Product Name	Dual axis L-type positioner
Load	1000kg (Customization supported)
Repetitive positioning accuracy of flipping axis	± 0.04mm (measured at R500) eccentricity ≤ 300mm
Number of axes	Dual-axis
Rated speed of flipping shaft	15°/sec
Rated speed of rotary shaft	22.7°/sec
Repetitive positioning accuracy of rotary axis	± 0.04mm (measured at R500) center of gravity distance≤ 150mm
Disc diameter	600-1200mm(Customization supported)
Standard color	Powder coating, RAL (Customization supported)

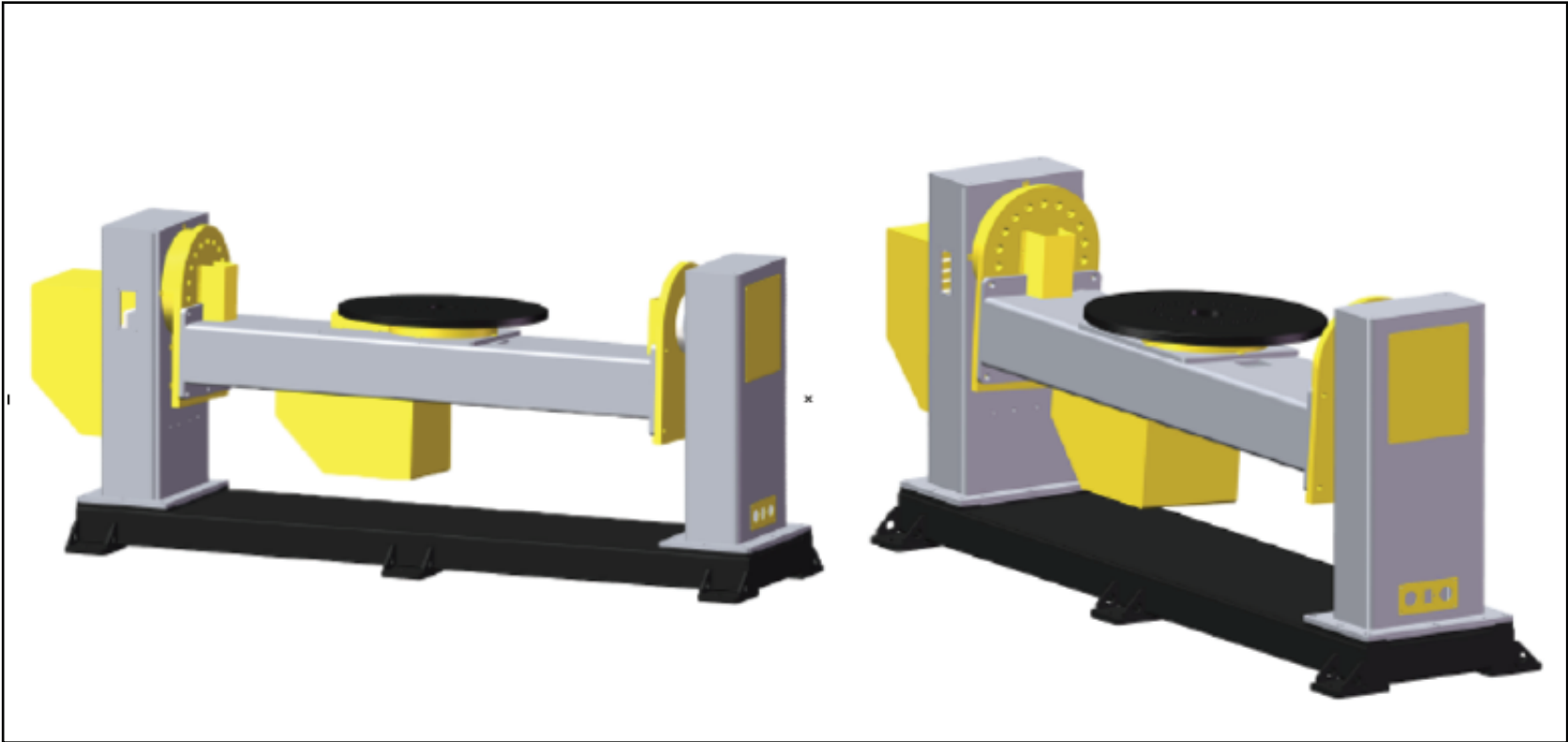
Product image



Specification

Product Name	Dual axis P-type positioner
Load	500kg (Customization supported)
Repetitive positioning accuracy of flipping axis	0.02mm (measured at R500) total eccentricity ≤ 500mm
Number of axes	Dual-axis
Rated speed of flipping shaft	46.7°/sec
Rated speed of rotary shaft	48.7°/sec
Repetitive positioning accuracy of rotary axis	0.02mm (measured at R500) center of gravity distance ≤ 500mm
Disc diameter	300-800mm(Customization supported)
Standard color	Powder coating, RAL (Customization supported)

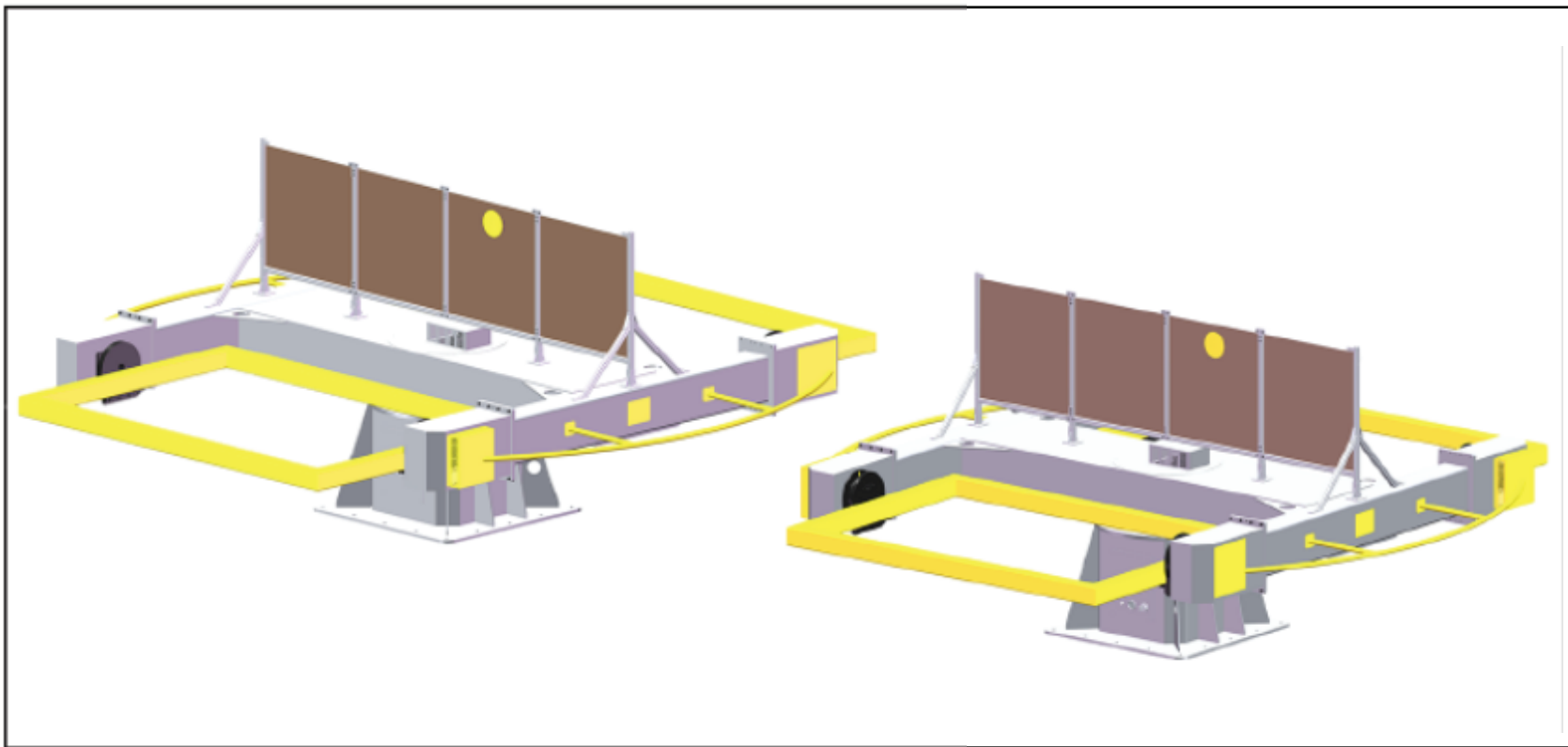
Product image



Specification

Product Name	Dual axis C-type positioner
Load	1000kg(Customization supported)
Repetitive positioning accuracy of flipping axis	0.04mm (measured at R500) total eccentricity ≤ 300mm
Number of axes	Dual-axis
Rated speed of flipping shaft	46.7°/sec
Rated speed of rotary shaft	48.7°/sec
Repetitive positioning accuracy of rotary axis	0.04mm (measured at R500) center of gravity distance ≤ 200mm
Disc diameter	300-800mm(Customization supported)
Standard color	Powder coating, RAL (Customization supported)

Product image



Specification

Product Name	Three-axis horizontal rotary positioner
Load	500kg(Customization supported)
Repetitive positioning accuracy of flipping axis	0.02mm (measured at R500) total eccentricity ≤ 150mm
Number of axes	Three axis horizontal dual station
Rated speed of flipping shaft	78°/sec
Rated speed of rotary shaft	48°/sec
Repetitive positioning accuracy of rotary axis	0.02mm (measured at R500)
Rotating frame size	2000mm/3000mm*800mm(Customization supported)
Standard color	Powder coating, RAL (Customization supported)

Product image



Specification

Product Name	Three-axis vertical flipping positioner
Load	1000kg(Customization supported)
Flip and repeat positioning accuracy	0.04mm (measured at R500)
Number of axes	Three axis horizontal dual station
Rated speed of flipping shaft	78°/sec
Rated speed of rotary shaft	48°/sec
Horizontal axis repeat positioning accuracy	0.02mm (measured at R500) total eccentricity ≤ 150mm
Rotating frame size	2000mm/3000mm*800mm(Customization supported)
Standard color	Powder coating, RAL (Customization supported)

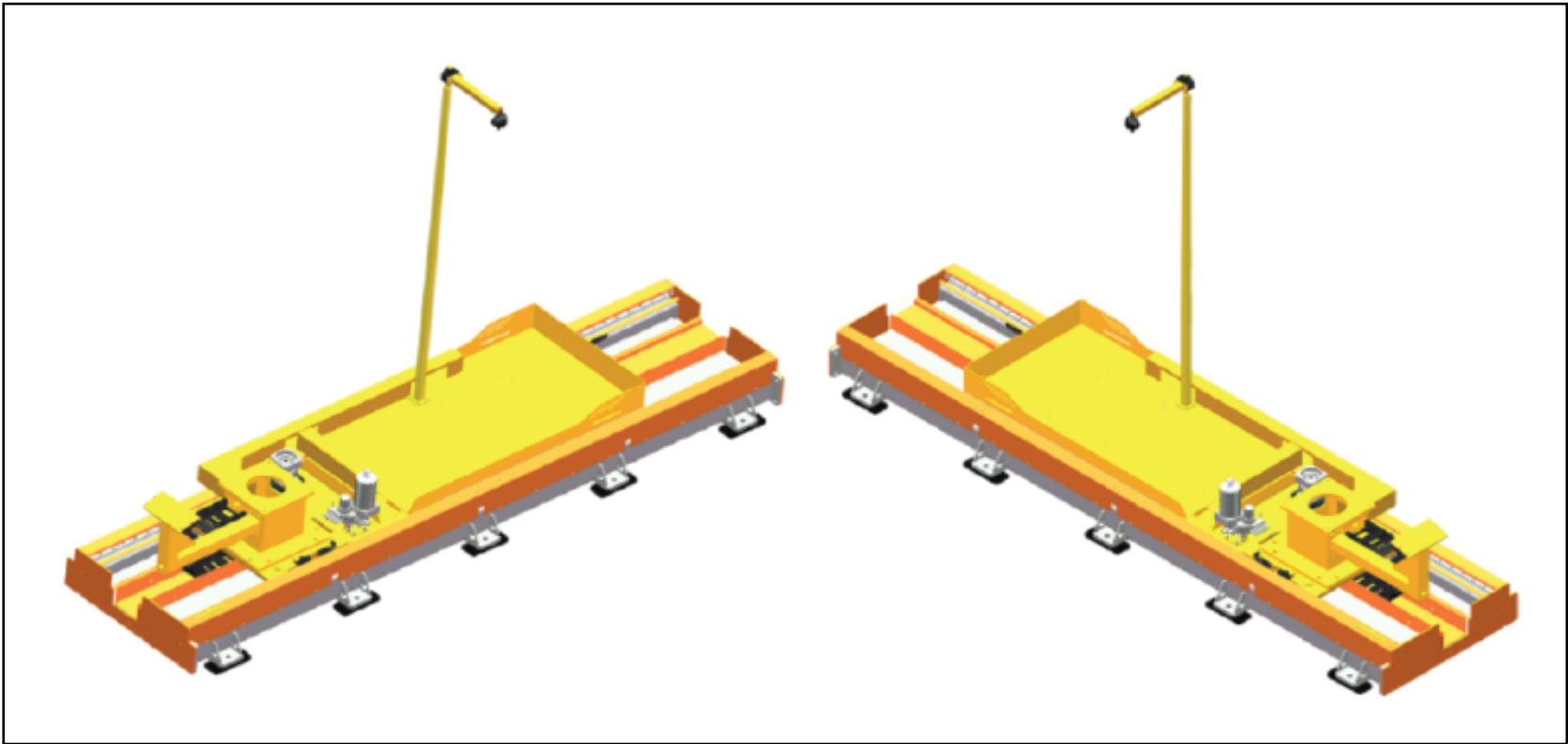
Product image



Specification

Product Name	Five-axis horizontal rotary positioner
Load	500kg(Customization supported)
Rotating disk diameter	300mm(Customization supported)
Number of axes	Three axis horizontal dual station
Rated speed of flipping shaft	58°/sec
Flip and repeat positioning accuracy	0.02mm (measured at R500)
Rated speed of horizontal axis	46.7°/sec
Horizontal axis repeat positioning accuracy	0.02mm (measured at R500) eccentricity ≤ 150mm
Rated speed of flipping shaft	48.7°/sec
Flip and repeat positioning accuracy	0.02mm (measured at R500) center of gravity distance ≤ 150mm
Standard color	Powder coating, RAL (Customization supported)

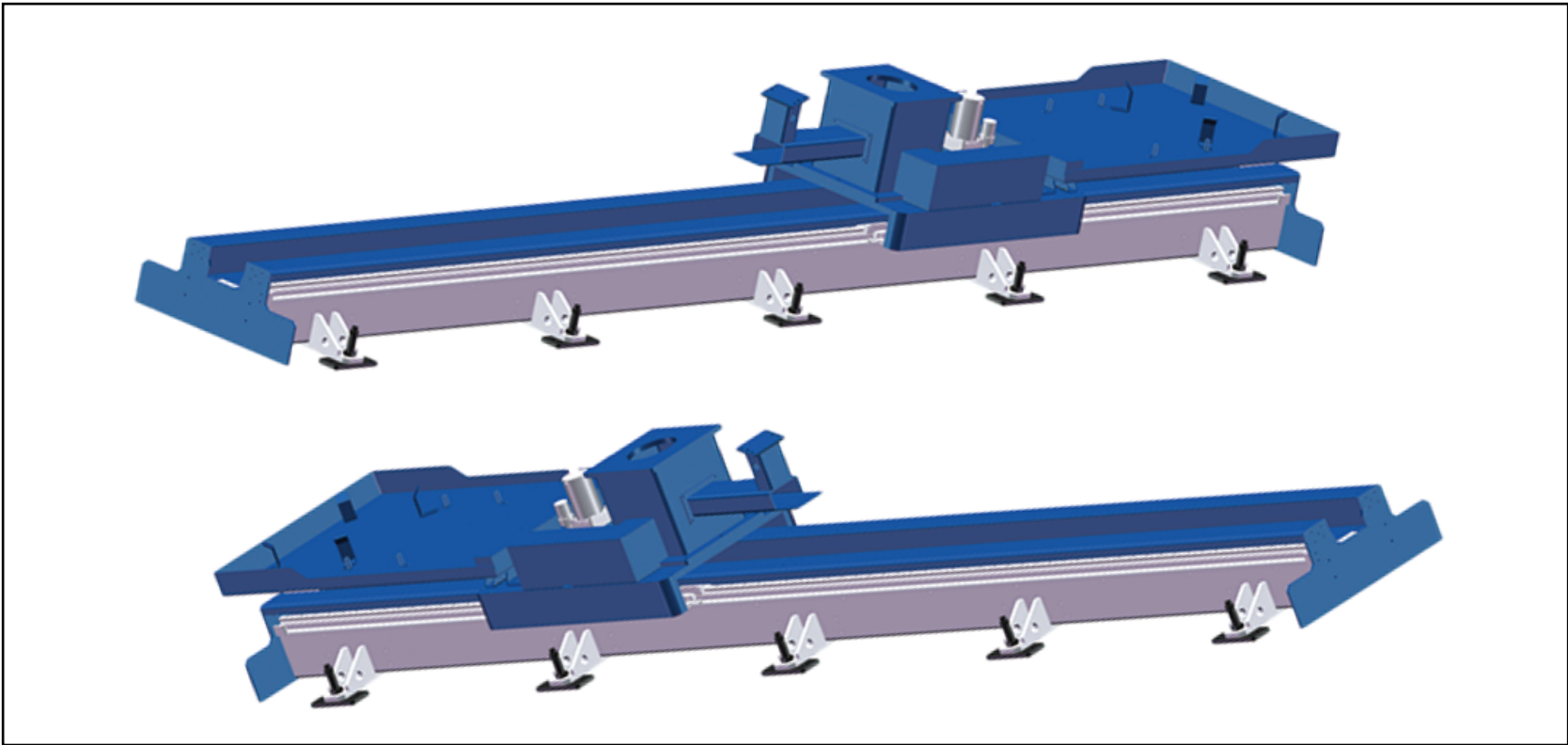
Product image



Specification

Product Name	Standard type ground rail
Load	1000kg(Customization supported)
Length / Width	3m、 6m、 12m or more/850mm(spliceable)
Repeated positioning accuracy	±0.05mm
Rated speed	0.5-1.5m/sec
Surface treatment	Powder coating
Appearance and colour	Blue or custom-made

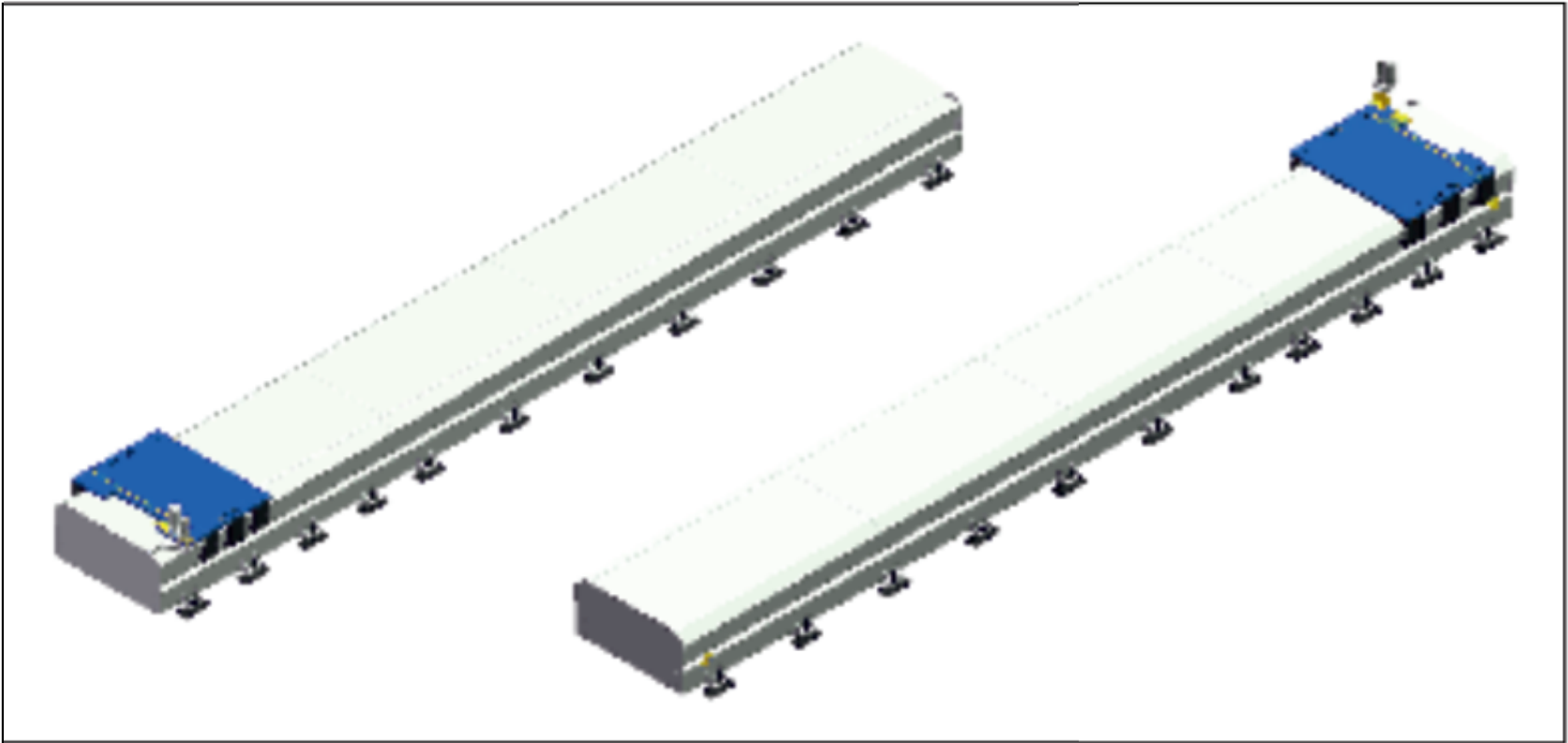
Product image



Specification

Product Name	Semi enclosed ground rail
Load	1000kg(Customization supported)
Length / Width	3m、 6m、 12m or more/850mm (spliceable)
Repeated positioning accuracy	±0.05mm
Rated speed	0.5-1.5m/sec
Surface treatment	Powder coating
Appearance and colour	Blue or custom-made

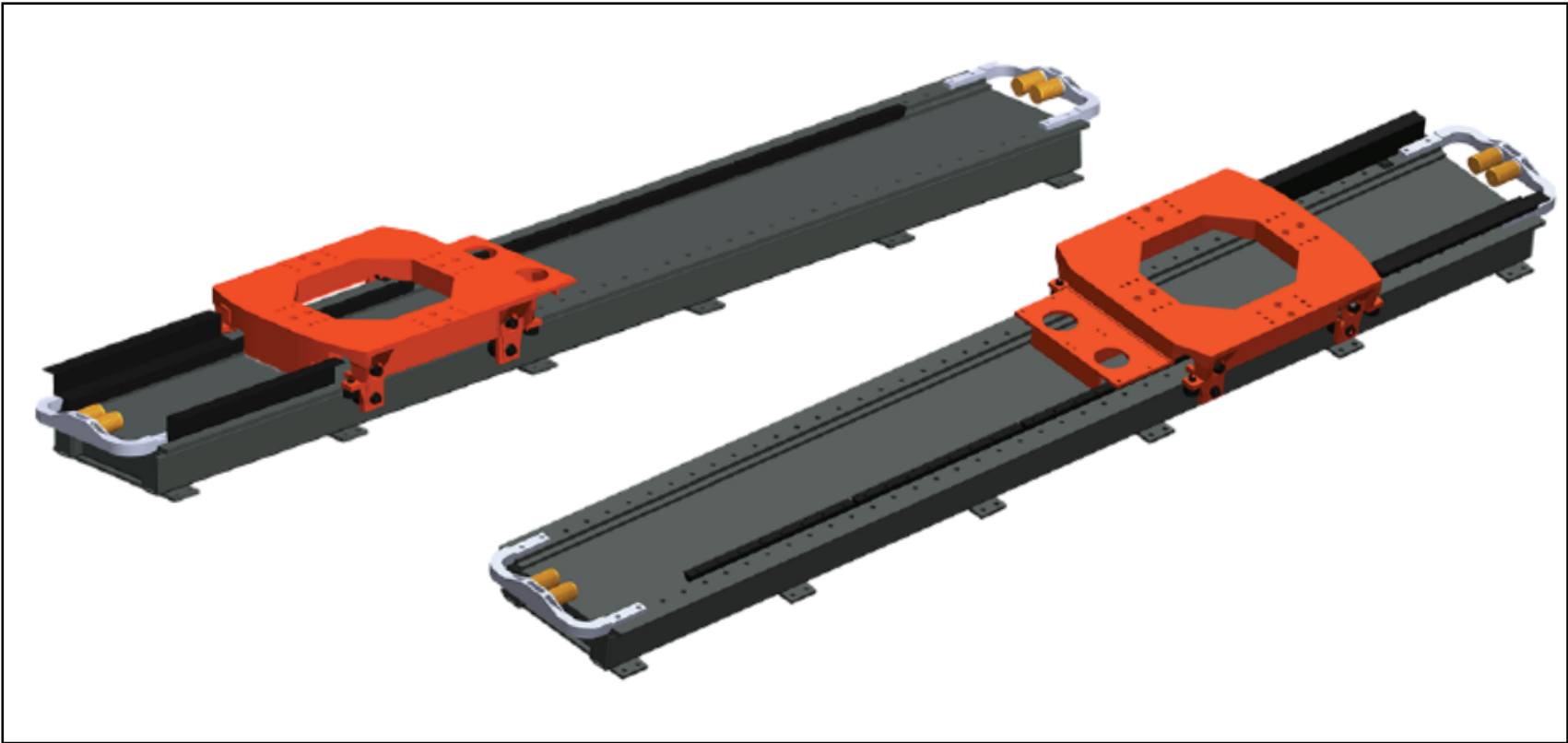
Product image



Specification

Product Name	Fully enclosed ground rail
Load	1000kg(Customization supported)
Length / Width	3m、 6m、 12m or more/850mm (spliceable)
Repeated positioning accuracy	±0.05mm
Rated speed	0.5-1.5m/sec
Surface treatment	Powder coating
Appearance and colour	Blue or custom-made

Product image



Specification

Product Name	Roller type ground rail
Load	1000kg(Customization supported)
Length / Width	3m、 6m、 12m or more/850mm (spliceable)
Repeated positioning accuracy	±0.05mm
Rated speed	0.5-3m/sec
Surface treatment	Powder coating
Appearance and colour	Blue or custom-made

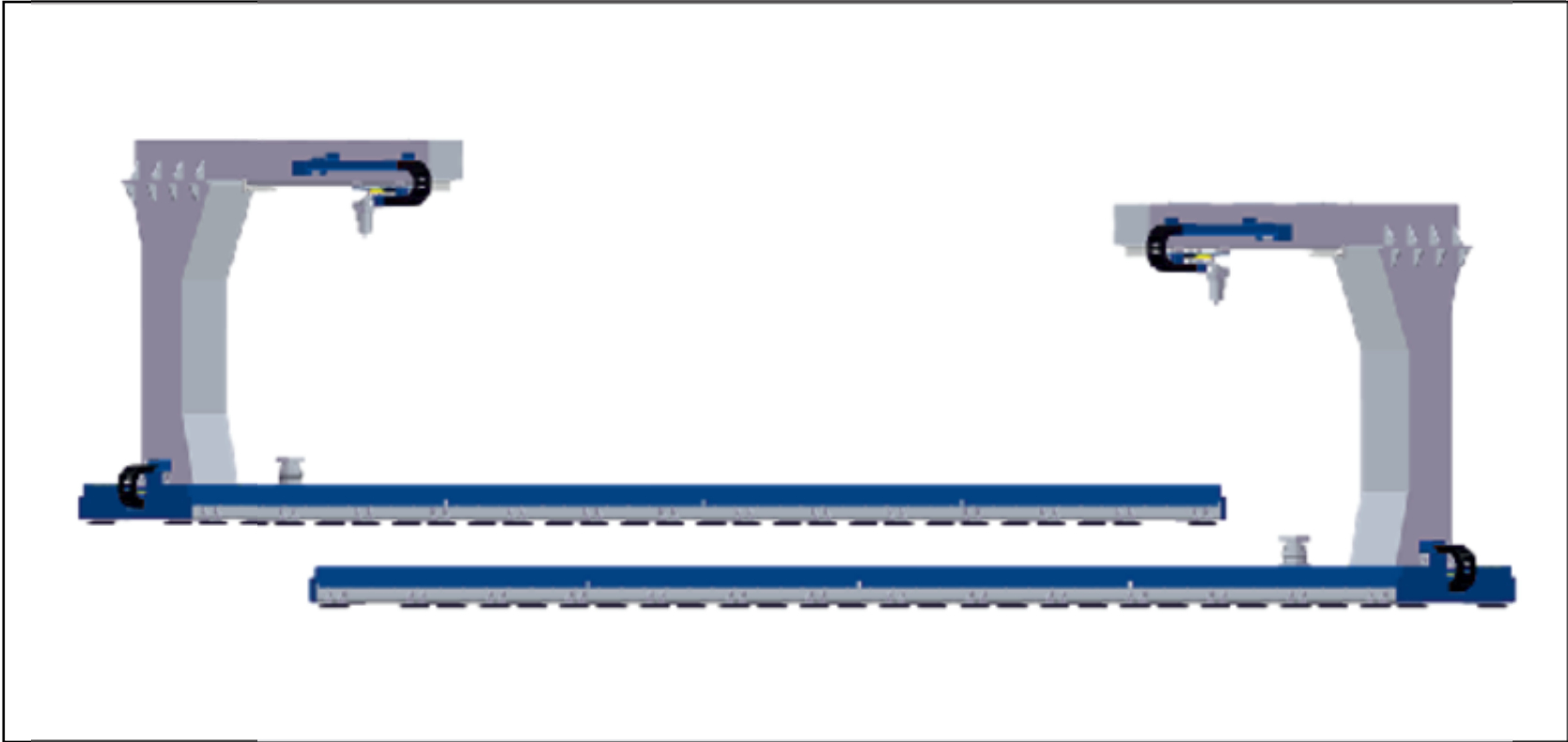
Product image



Specification

Product Name	Seven axis cantilever ground rail
Load	300kg-500kg(Customization supported)
The height of the robot installation surface above the ground	2m-3m (Customization supported)
Repeated positioning accuracy	±0.05mm
Rated speed	0.5-1m/sec
Surface treatment	Powder coating
Appearance and colour	Blue or custom-made

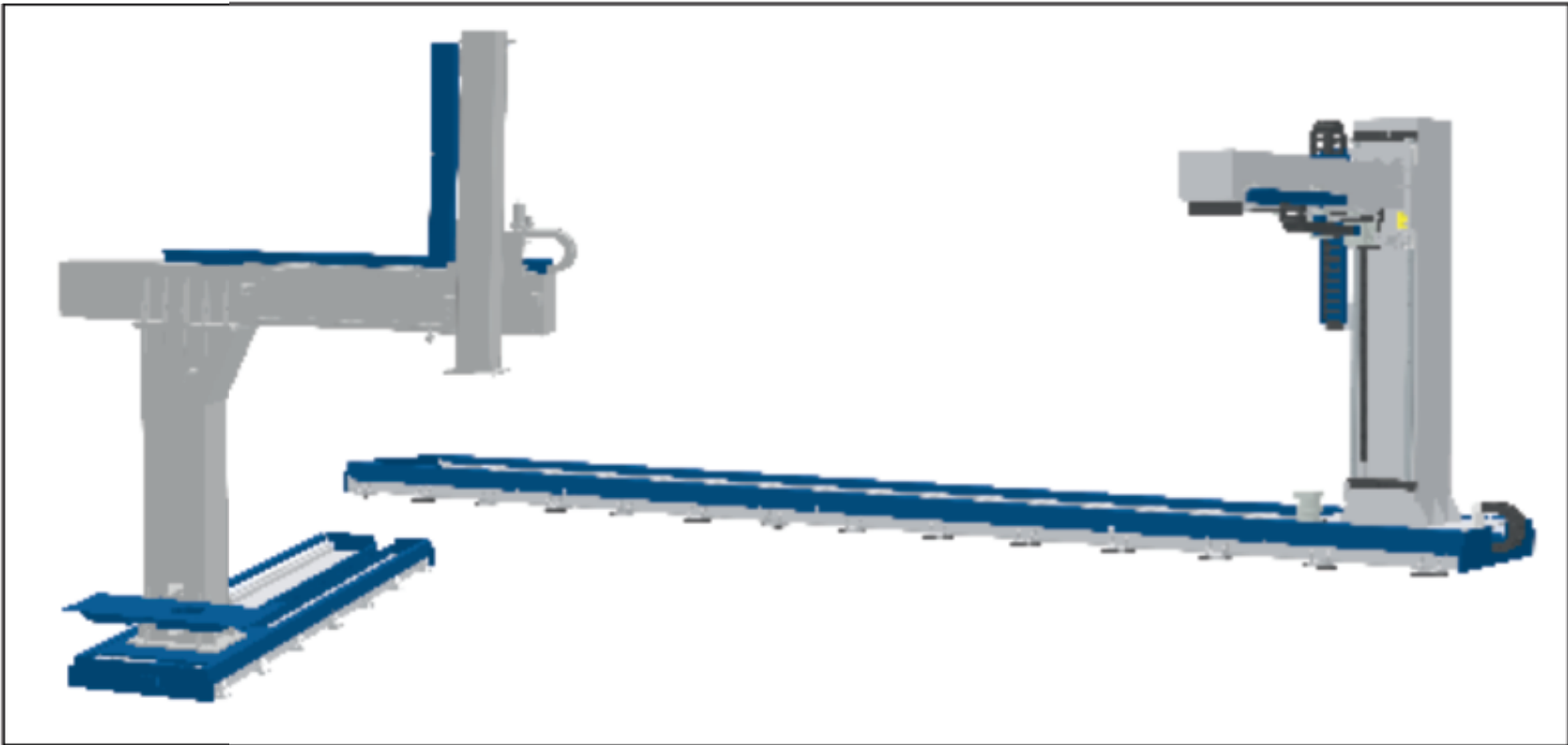
Product image



Specification

Product Name	Eight axis cantilever ground rail
Load	300kg-500kg(Customization supported)
The height of the robot installation surface above the ground	2m-3m(Customization supported)
Travel Y-axis	2m-4m(Customization supported)
Repeated positioning accuracy	±0.05mm
Rated speed	0.5-1m/sec
Surface treatment	Powder coating
Appearance and colour	Blue or custom-made

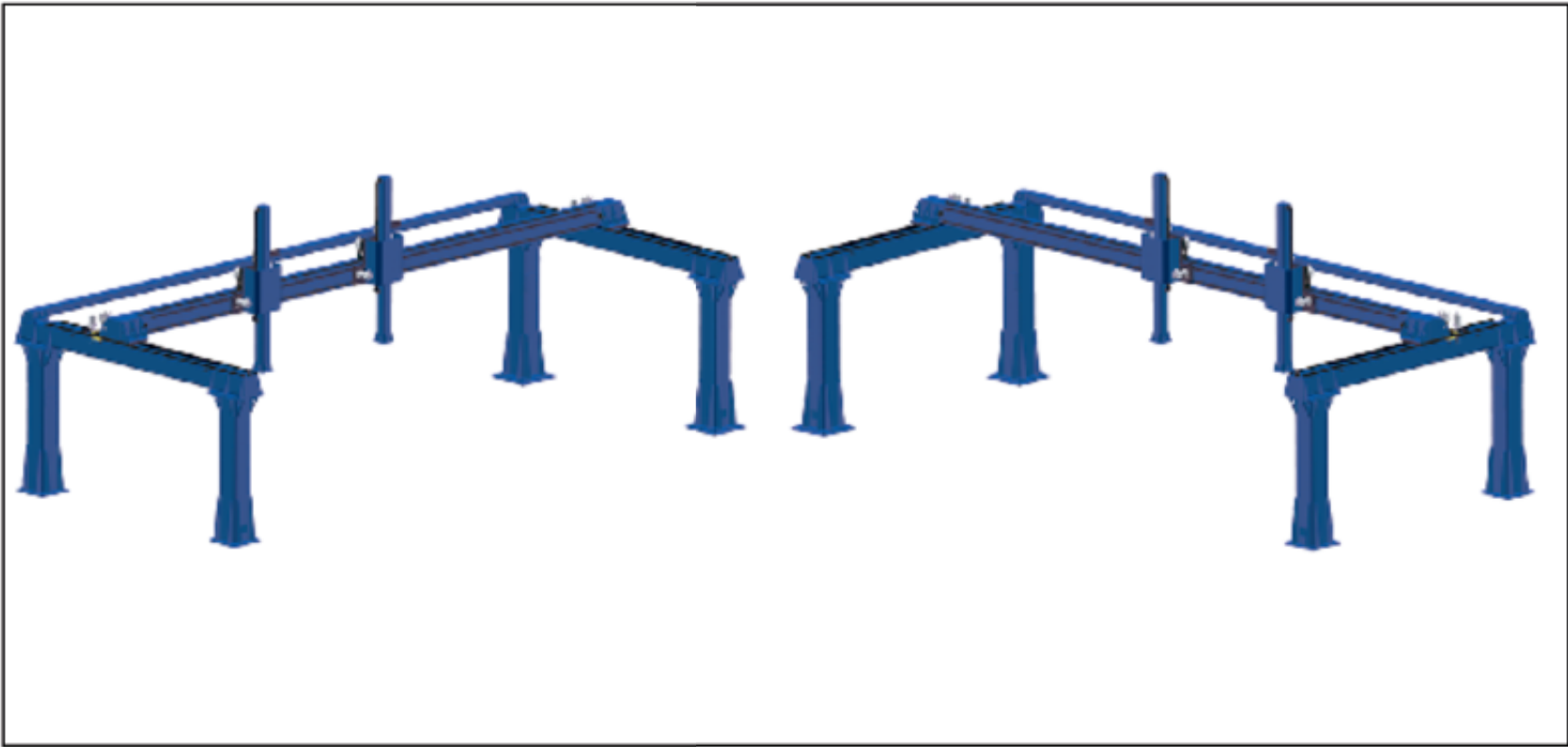
Product image



Specification

Product Name	Nine axis cantilever ground rail
Load	300kg-500kg(Customization supported)
Travel Y-axis	2m-4m(Customization supported)
Travel Z-axis	0.5m-2m(Customization supported)
Repeated positioning accuracy	±0.05mm
Rated speed	0.5-1m/sec
Surface treatment	Powder coating
Appearance and colour	Blue or custom-made

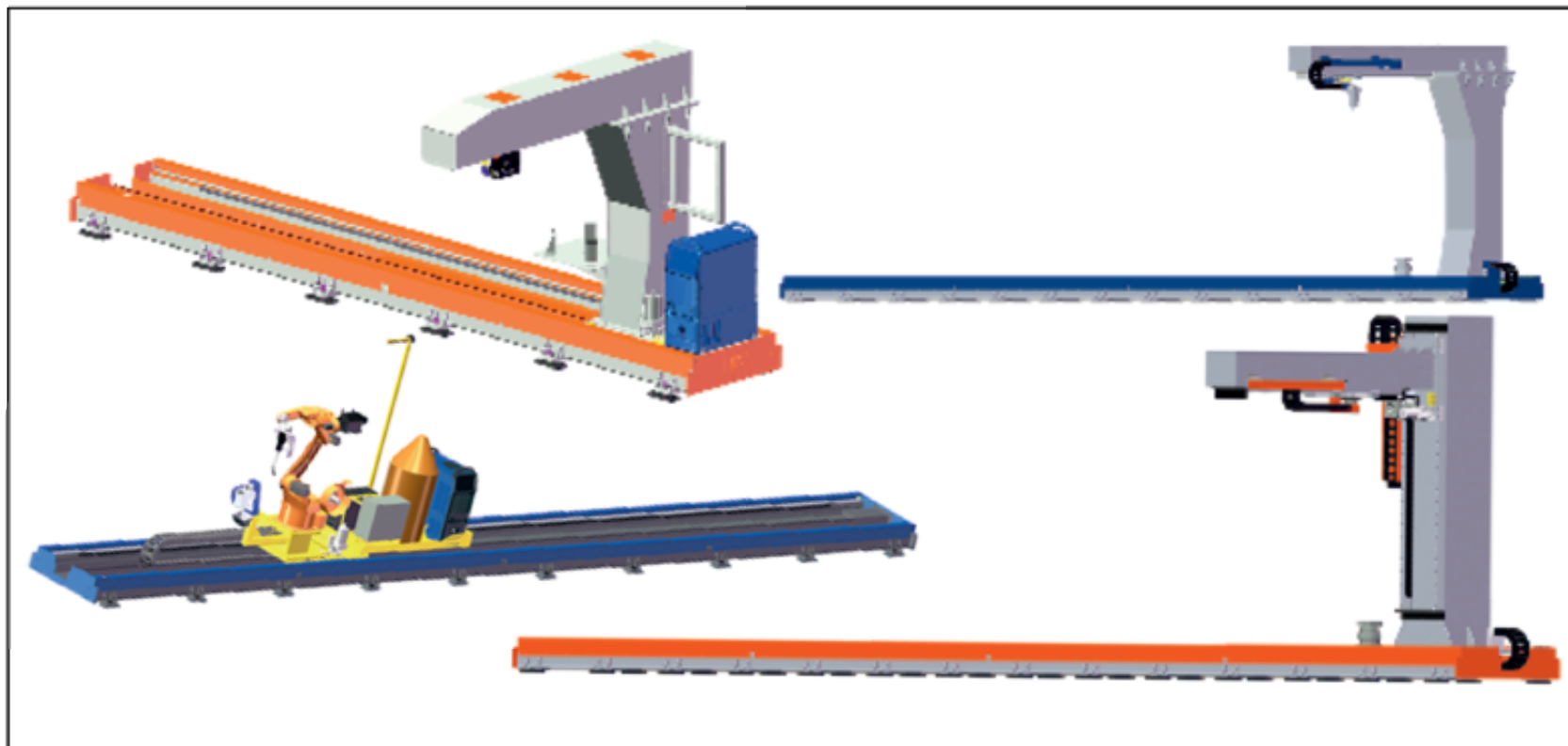
Product image



Specification

Product Name	Truss
Load capacity	500KG、1000KG、2000KG、4000KG (Customization supported)
Axle count	Three-axis(X+Y+Z/Customization supported)
Rated speed	0.3-1.5m/sec
Accelerated velocity	0.5-1.5m/s²
Effective travel	Customization supported
Width	Customization supported
Height	Customization supported
Repeatability	±0.05mm
Surface treatment	Powder coating
Exterior color	RAL(Customization supported)

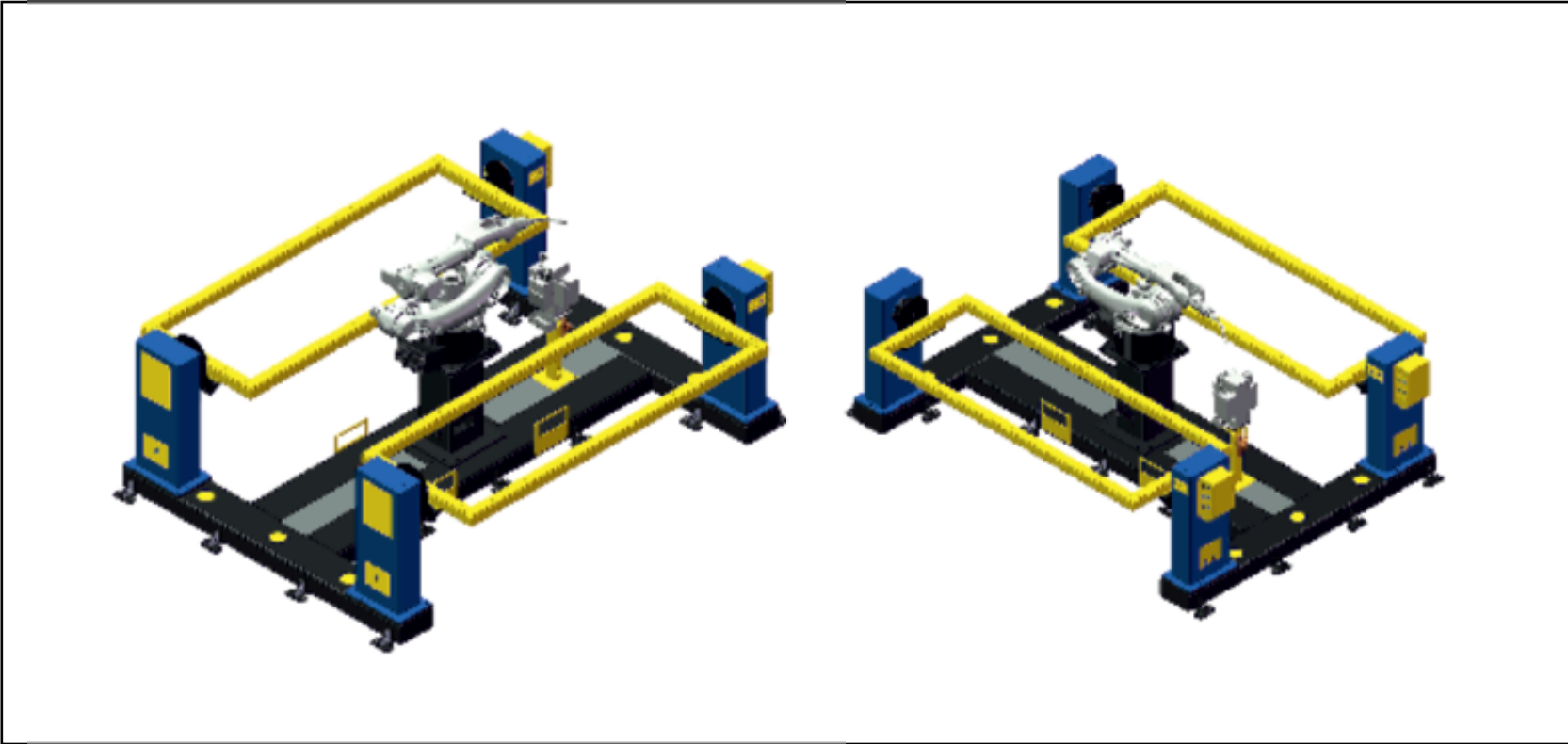
Product image



Specification

Product Name	Ship and steel structure exempt from test teaching welding workstation
Degree of freedom	7-axis,8-axis,9-axis
The range of motion of the robot's arm	R=2010mm(Depending on the type of robot selected)
Length of the slide rail	3M/6M/9M/12M(Customization supported)
X-axis movement speed	0.5-1m/sec
Y-axis movement speed	0.3-0.8m/sec
Z-axis movement speed	0.3-0.5m/sec
Visual accuracy	≤0.5mm
Scan frame rate	2000 frames/sec
Ambient temperature	0°C to+45°C(during operation)-20°C to+60°C(during transportation and storage)
Relative humidity	≤90%RH(no condensation)
Exterior color	RAL (Customization supported)
Surface treatment	Powder coating

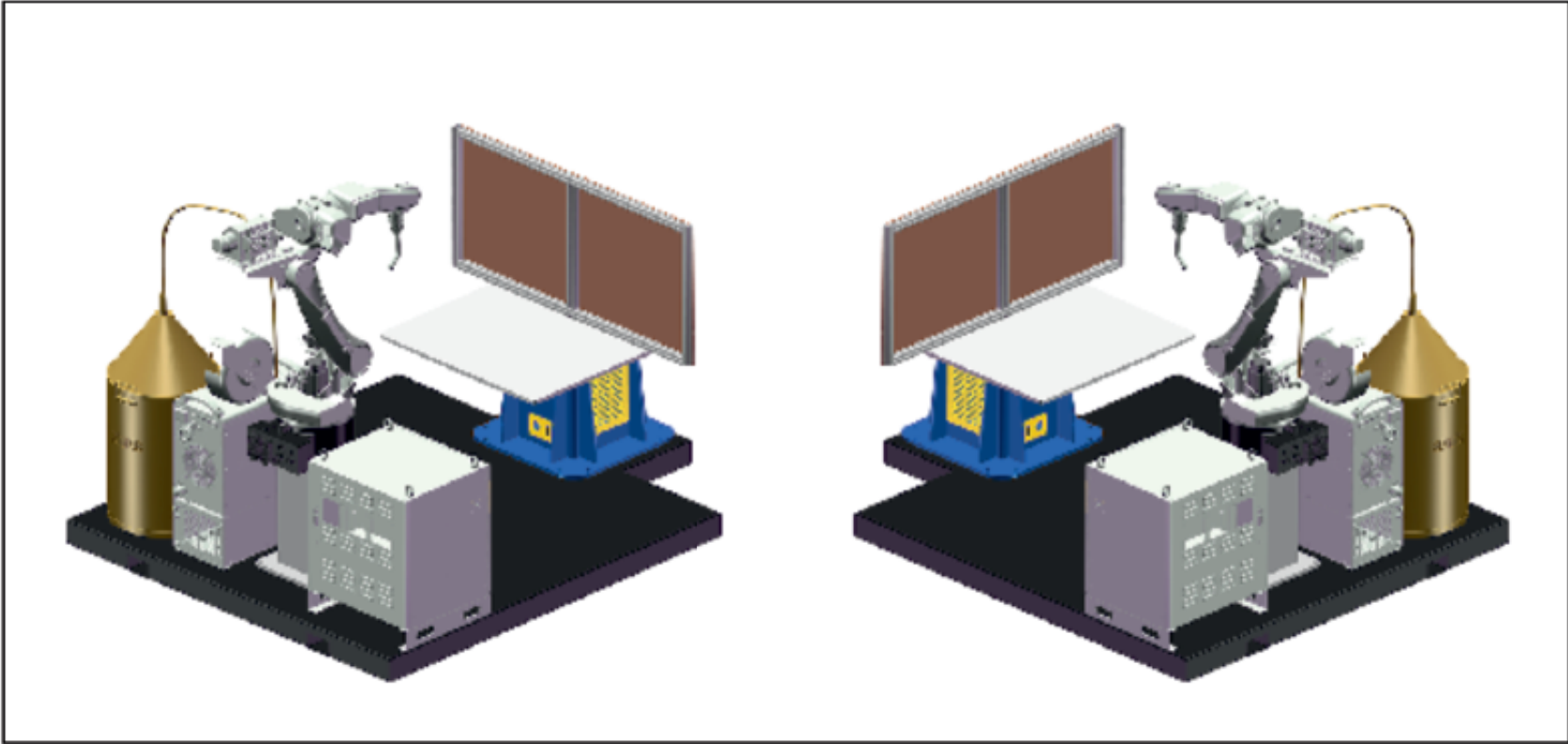
Product image



Specification

Product Name	Head and tail frame positioner welding workstation
Load capacity	1000kg
Rotational speed	68°/sec
Welds types	All-digital inverter welding machine compatible with MAG/MIG/TIG processes and fiber laser welding systems
Maximum current	Generally 400A, and some can reach 500A
Applicable materials	Carbon steel, stainless steel, aluminum alloy, etc
Equipment dimensions	It depends on the size of the workpiece
Programming direction	Supports manual, automatic, teach-in programming, etc
Software function	Equipped with welding process management, human-machine interface, etc
Ingress Protection rating	IP64

Product image



Specification

Product Name	Horizontal rotary positioner welding workstation
Load capacity	1000kg
Rotational speed	68°/sec
Welds types	All-digital inverter welding machine compatible with MAG/MIG/TIG processes and fiber laser welding systems
Maximum current	Generally 400A, and some can reach 500A
Applicable materials	Carbon steel, stainless steel, aluminum alloy, etc
Equipment dimensions	It depends on the size of the workpiece
Programming direction	Supports manual, automatic, teach-in programming, etc
Software function	Equipped with welding process management, human-machine interface, etc
Ingress Protection rating	IP64

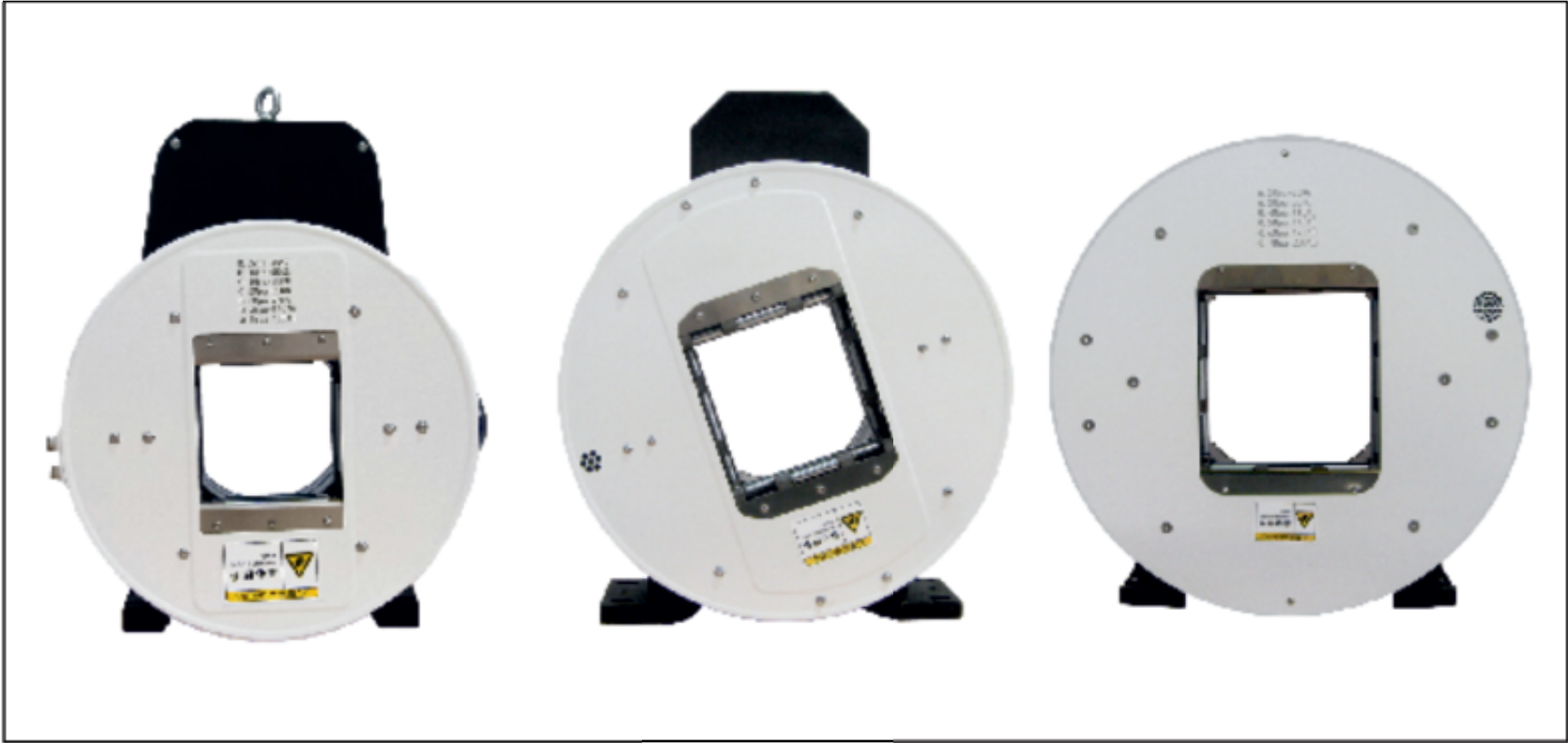
Product image



Specification

Product Name	Agile welding workstation
Load capacity	3-45KG
Arm span range	622-2246mm
Welds types	All-digital inverter welding machine compatible with MAG/MIG/TIG processes and fiber laser welding systems
Repeated positioning accuracy	±0.05mm
Applicable materials	Carbon steel, stainless steel, aluminum alloy, etc
Maximum current	Generally 400A, and some can reach 500A
Programming direction	Supports manual, automatic, teach-in programming, etc
Software function	Equipped with welding process management, human-machine interface, etc
Ingress Protection rating	IP64

XDS120/170/240



Specification

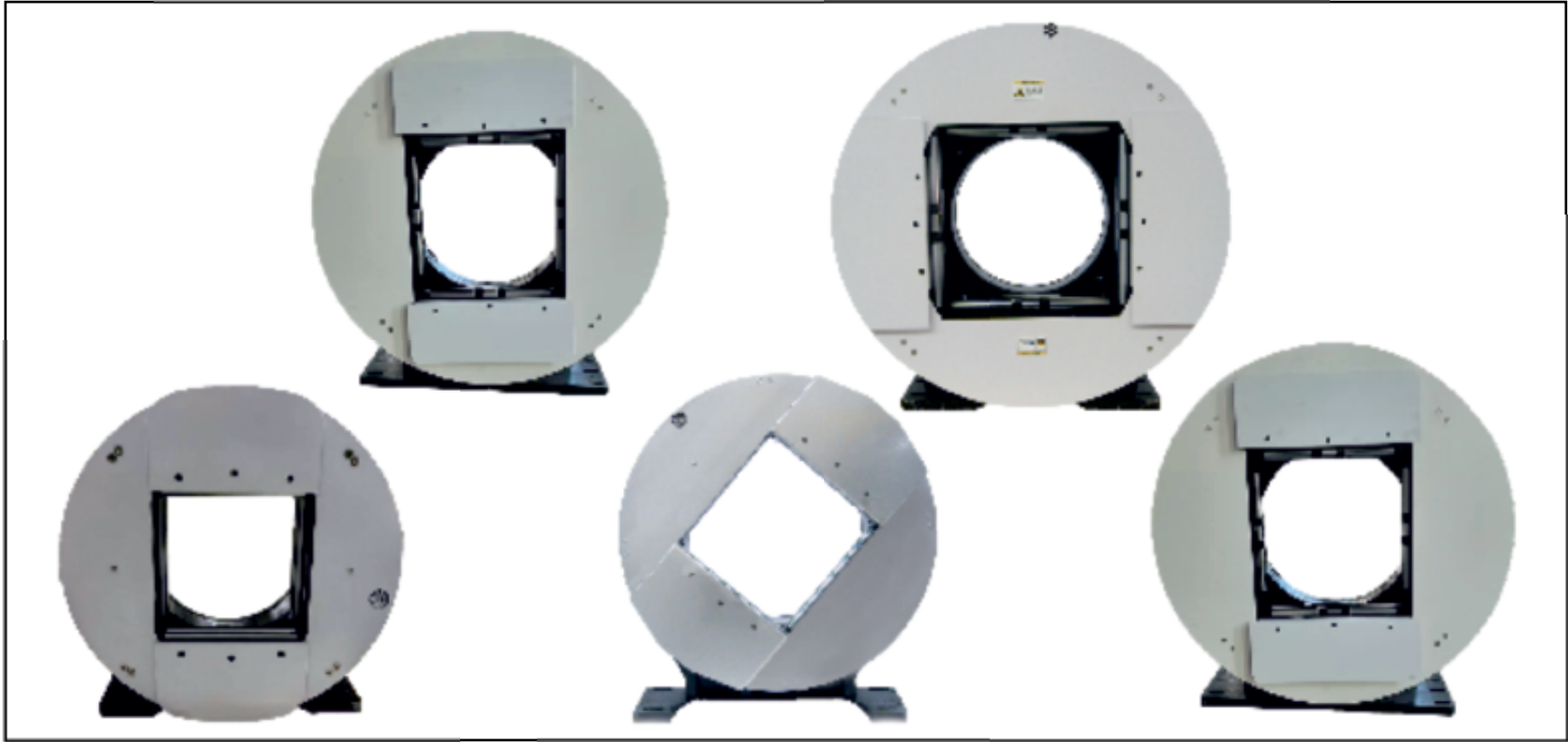
Performance

Specification Model	Clamping range (mm)	Cyclotron accuracy (mm)	Repeatability (mm)	Compressed air (kpa)	Rated speed (r/min)	Maximum load capacity (kg)	Transmission ratio	Total weight (kg)	Recommended gearbox model	Recommended motor power
XDS120	6-110	±0.05	±0.05	0.1-0.7	300	100	1:1.5	70	90mm	1.8kw
XDS170	8-160	±0.05	±0.05	0.1-0.8	200	200	1:3	100	110mm	2kw
XDS240	8-230	±0.05	±0.05	0.1-0.8	150	300	1:5	160	110mm	2.9kw

Dimension

Specification Model	Bottom plate length A (mm)	center height B (mm)	Chuck diameter C (mm)	Total height D (mm)	Roller length E (mm)	Maximum opening F (mm)	Keyway G (mm)	Base hole spacing H (mm)	Base hole spacing J (mm)	Bottom plate widthK (mm)	Total thickness M (mm)
XDS120	280	205	380	398	84	120	12	240	50	83	216
XDS170	460	290	540	565	170	170	14	395	90	128	241
XDS240	500	350	670	688	225	240	14	450	120	180	248

XDS290/350/450/500/650



Specification

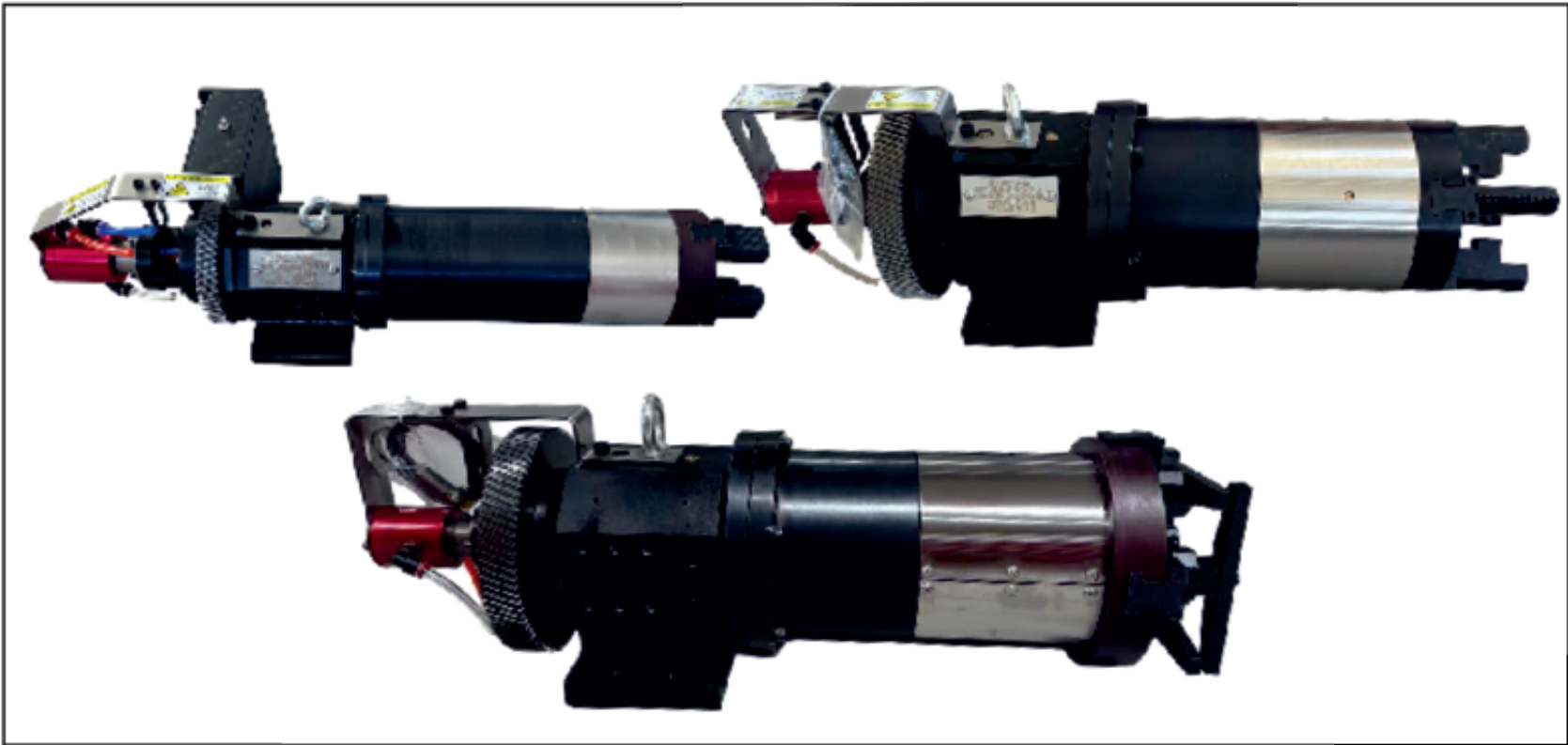
Performance

Specification Model	Clamping range (mm)	Cyclotron accuracy (mm)	Repeatability (mm)	Compressed air (kpa)	Rated speed (r/min)	Transmission ratio	Maximum load capacity (kg)	Total weight (kg)	Recommended gearbox model	Recommended motor power
XDS290	10-280	±0.05	±0.05	0.1-0.8	100	1:5	500	300	140mm	4kw
XDS350	16-350	±0.08	±0.05	0.1-0.8	100	1:5	600	480	140mm	5kw
XDS450	10-450	±0.1	±0.1	0.1-0.8	60	1:5	1500	1050	200mm	8kw
XDS500	40-500	±0.1	±0.1	0.1-0.8	60	1:5	1000	800	200mm	7kw
XDS650	170-630	±0.1	±0.1	0.1-0.8	50	1:5	2000	1100	200mm	8kw

Dimension

Specification Model	Bottom plate length A (mm)	center height B (mm)	Chuck diameter C (mm)	Total height D (mm)	Roller length E (mm)	Maximum opening F (mm)	Keyway G (mm)	Base hole spacing H (mm)	Base hole spacing J (mm)	Bottom plate widthK (mm)	Total thickness M (mm)	Base hole spacing N (mm)
XDS290	600	350	680	692	280	290	20	520	205	258	300	300
XDS350	760	500	820	662	350	360	20	660	187	250	315	165
XDS450	1000	610	1110	1166	450	460	16	900	330	400	510	
XDS500	850	610	1150	1186	500	520	16	760	270	350	450	
XDS650	1000	750	1350	1426	640	650	16	900	330	400	510	

XDH120/170/240



Specification

Performance

Specification Model	Clamping range (mm)	Cyclotron accuracy (mm)	Repeatability (mm)	Compressed air (kpa)	Rated speed (r/min)	Total weight (kg)	Maximum load capacity (kg)	Transmission ratio	Recommended gearbox model	Recommended motor power
XDH120	6-120	±0.05	±0.05	0.1-0.6	300	33	100	1:1.5	90mm	1.3kw
XDH170	8-170	±0.05	±0.05	0.1-0.7	200	75	200	1:3	90mm	1.8kw
XDH240	8-240	±0.05	±0.05	0.1-0.7	200	100	200	1:3	90mm	1.8kw

Dimension

Specification Model	Total length A (mm)	Bottom plate length B (mm)	Base hole spacing C (mm)	Keyway E (mm)	Base hole spacing F (mm)	Flange diameter G (mm)	Total height K (mm)	Bottom plate width J (mm)	Center high M (mm)
XDH120	624	100	55	10	120	115	174	160	70
XDH170	718	125	85	16	155	164	220	195	105
XDH240	700	125	85	16	155	164	236	195	105

XDH290/350/450/500/650



Specification

Performance

Specification Model	Clamping range (mm)	Cyclotron accuracy (mm)	Repeatability (mm)	Compressed air (kpa)	Rated speed (r/min)	Maximum load capacity (kg)	Transmission ratio	Total weight (kg)	Recommended gearbox model	Recommended motor power
XDH290	20-290	±0.05	±0.05	0.1-0.8	100	400	1:2.5	143	110mm	2.5kw
XDH350	10-350	±0.05	±0.05	0.1-0.8	100	500	1:2.5	150	110mm	2.5kw
XDH450	30-450	±0.1	±0.1	0.1-0.8	100	1000	1:4	410	110mm	3kw
XDH500	9-500	±0.1	±0.1	0.1-0.8	100	1000	1:4	430	110mm	4kw
XDH650	20-650	±0.1	±0.1	0.1-0.8	60	1000	1:4	460	110mm	4kw

Dimension

Specification Model	Total length A (mm)	Bottom plate length B (mm)	Base hole spacing C (mm)	Base hole spacing D (mm)	Keyway E (mm)	Base hole spacing F (mm)	Flange diameter G (mm)	Bottom plate width J (mm)	Total height K (mm)	Center high M (mm)
XDH290	900	240	160	80	20	195	270	246	308	160
XDH350	910	240	160	80	20	195	320	246	376	216
XDH450	1084	260	200	100	20	340	450	410	450	216
XDH500	1084	260	200	100	20	340	480	410	456	216
XDH650	1084	260	200	100	20	340	600	410	516	216



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