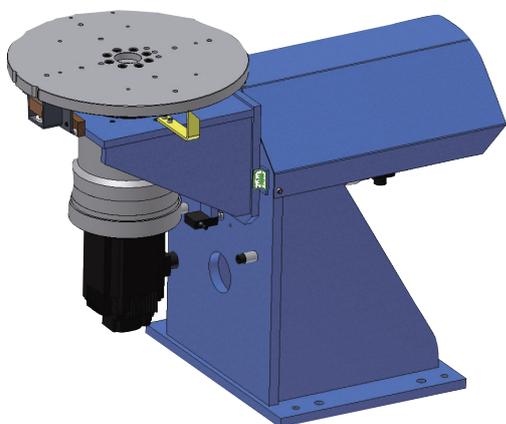


MT1-250

One-station tilt-rotate positioner.



- Space saving design.
- Direct drive on tilt and rotating axes.
- Easy to install and operate.

This is a one station tilt-rotate positioner for workpieces requiring rotation about two axes. Due to its compact and space saving design, it is suitable for integration in e.g. compact welding stations.

The fixture disc can be tilted in synchronisation with the robot, $\pm 90^\circ$.

Option

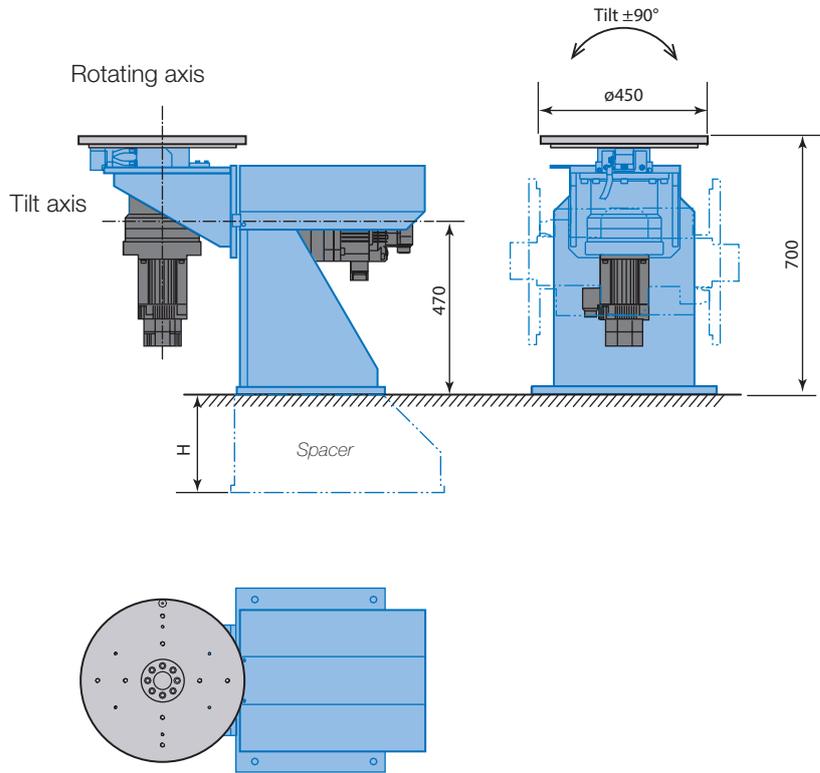
- Spacer (H = 270 mm)

Technical data		MT1-250 S2D
Max. payload		250 kg
Welding capacity	100% duty cycle 60% duty cycle	350 A 460 A
Tilt axis torque	dynamic static	1108 Nm 896 Nm
Tilt axis rated speed		0-12.6 rpm
Rotating axis torque	dynamic static	1046 Nm 837 Nm
Rotating axis rated speed		0-9.8 rpm
Rated offset from centre of gravity (COG)		275 mm
Weight		300 kg
Part No.	MT1-250 S2D Option: Spacer 270 mm	124614-100 254322-81

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YRC1000

Controlled by
DX200

MT1-250

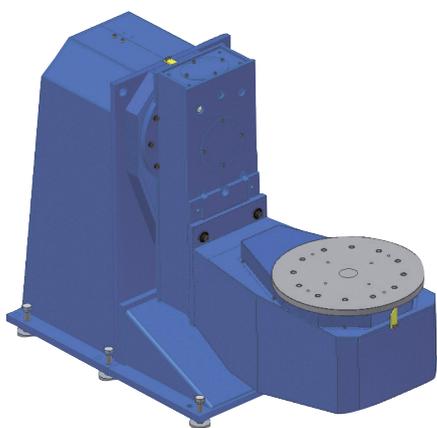


YASKAWA



MT1-500, MT1-750

One-station tilt-rotate positioner for heavy workpieces.



- Rigid design.
- High freedom of positioning.
- Easy to install and operate.

This is a tilt-rotate one station positioner for workpieces requiring rotation about two axes. Its high freedom of positioning makes it easy to find the optimum position even in complicated workpieces.

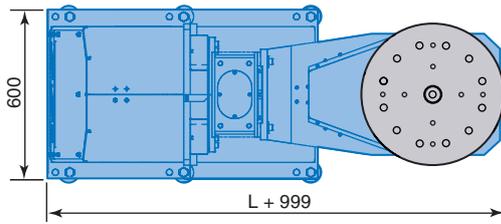
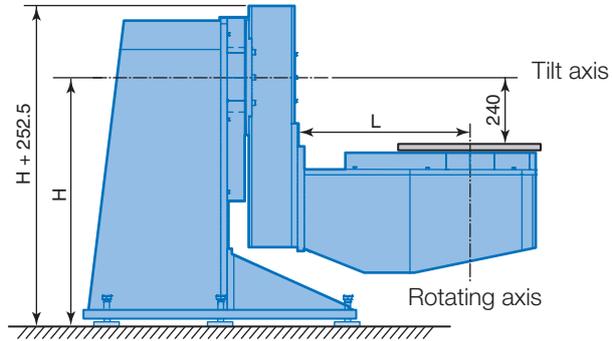
This MT1 positioner with its L arm design is able to withstand the strain of handling heavy workpieces.

Technical data		MT1-500 S2DL	MT1-750 S2DL
Max. payload		500 kg	750 kg
Welding capacity	100% duty cycle 60% duty cycle	2x 350 A 2x 460 A	2x 350 A 2x 460 A
Tilt axis torque	dynamic static	2600 Nm 2080 Nm	2600 Nm 2080 Nm
Tilt axis rated speed		0-5.3 rpm	0-5.3 rpm
Rotating axis torque	dynamic static	2600 rpm 2080 rpm	2600 rpm 2080 rpm
Rotating axis rated speed		0-5.3 rpm	0-5.3 rpm
Rated offset from centre of gravity (COG)		424 mm	283 mm

Controlled by
YRC1000

Controlled by
DX200

MT1-500 S2DL, MT1-750 S2DL



	H (mm)	L (mm)	Weight	Part No.
MT1-500 S2DL	850	850	785 kg	124615-104
MT1-750 S2DL	650	600	636 kg	124616-100
	650	750	650 kg	124616-101
	850	600	752 kg	124616-102
	850	750	766 kg	124616-103

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MT1-500 S2HD

One-station tilt-rotate positioner.



- Space saving design.
- Hollow drive.
- Easy to install and operate.

This is a one station tilt-rotate positioner for workpieces requiring rotation about two axes. Due to its compact and space saving design, it is suitable for integration in e.g. compact welding stations.

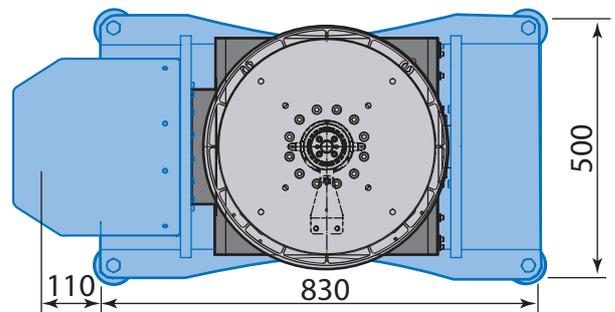
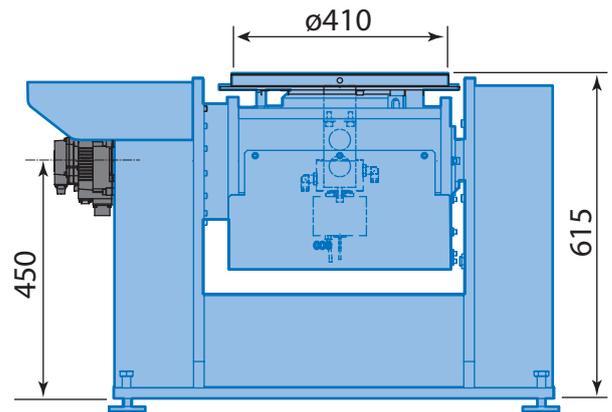
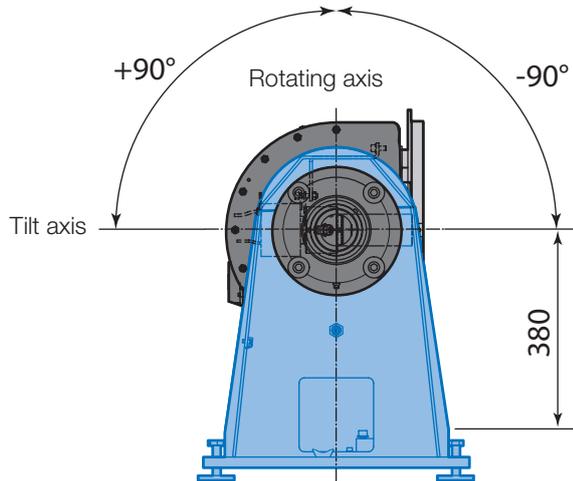
The fixture disc can be tilted in synchronisation with the robot, $\pm 90^\circ$

Technical data		MT1-500S2HD
Max. payload per station		500 kg
Welding capacity	100% duty cycle 60% duty cycle	350 A 460 A
Tilt axis torque	dynamic static	1612 Nm 1330 M,
Tilt axis rated speed		0-10.6 rpm
Rotating axis torque	dynamic static	1108 Nm 896 Nm
Rotating axis rated speed		0-11.3 rpm
Max. inertia		100 kgm ²
Rated offset from centre of gravity (COG)		145 mm
Weight		321 kg

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MT1-500 S2HD

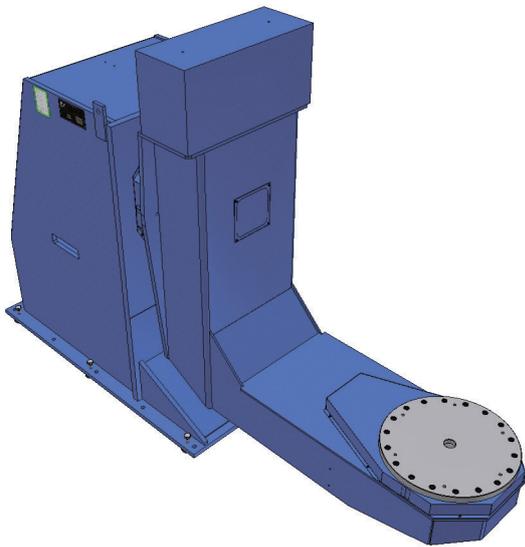


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MT1-1000, MT1-1500



- Rigid design.
- High freedom of positioning.
- Heavy payloads.

This is a one station positioner for workpieces requiring rotation about two axes. Its high freedom of positioning makes it easy to find the optimum position even in complicated workpieces.

This MT1 positioner with its L arm design is able to withstand the strain of handling heavy workpieces.

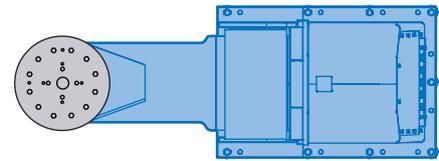
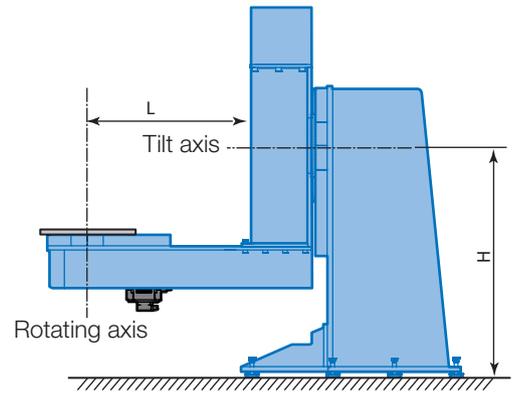
When used together with a Gantry robot it provides the best possible workpiece access.

Technical data		MT1-1000 S2D	MT1-1500 S2D
Max. payload		1000 kg	1500 kg
Welding capacity	100% duty cycle 60% duty cycle	2x 350 A 2x 460 A	2x 350 A 2x 460 A
Tilt axis torque	dynamic static	4236 Nm 3389 Nm	8290 Nm 6632 Nm
Tilt axis	rated speed maximum speed	0-3.6 rpm 9.6 rpm	0-3.4 rpm 9.1 rpm
Rotating axis torque	dynamic static	2830 Nm 2264 Nm	6480 Nm 5184 Nm
Rotating axis	rated speed maximum speed	0-5.3 rpm 15 rpm	0-4.3 rpm 15 rpm
Rated offset from centre of gravity (COG)		230 mm	352 mm

Controlled by
YRC1000

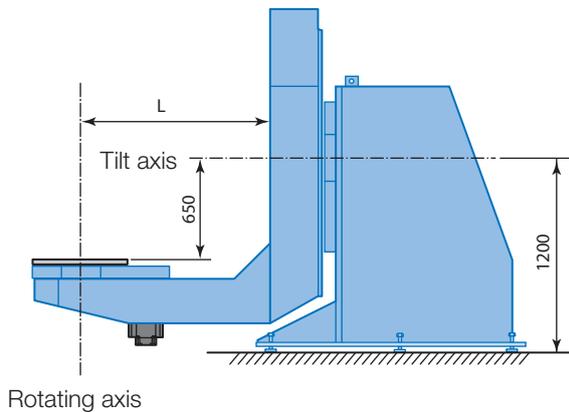
Controlled by
DX200

MT1-1000 S2D

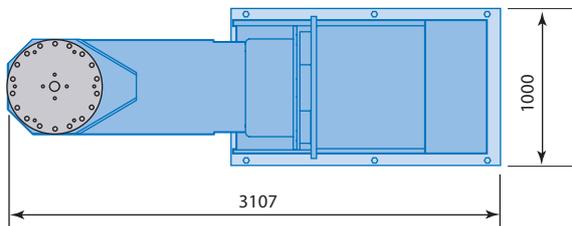


	H (mm)	L (mm)	Weight	Part No.
MT1-1000 S2D	1200	850	1610 kg	124617-102
	1200	1100	1647 kg	124617-103
MT1-1500 S2DL	1200	1195	3484 kg	124618-100
	1500	1615	4010 kg	124619-100

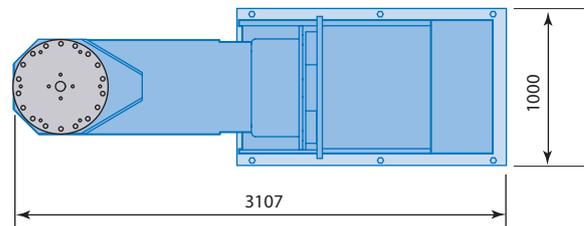
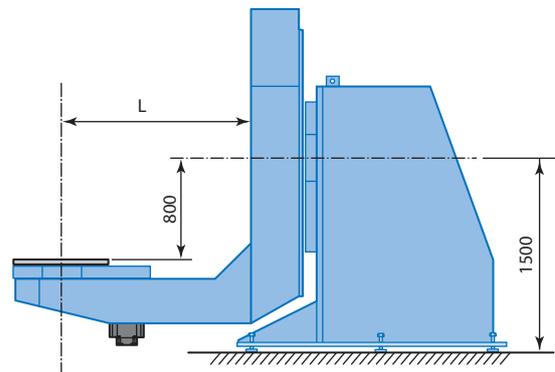
MT1-1500 S2D (H = 1200)



Rotating axis



MT1-1500 S2D (H = 1500)



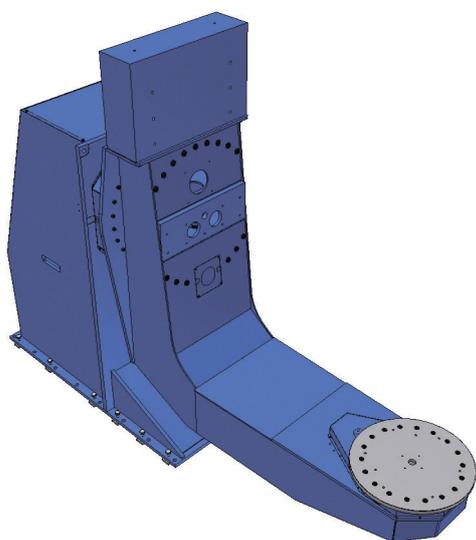
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MT1-3000, MT1-5000

One-station tilt-rotate positioner for very heavy workpieces.



- Rigid design.
- High freedom of positioning.
- Ideal for very heavy parts.

This is a one station positioner for workpieces requiring rotation about two axes. Its high freedom of positioning makes it easy to find the optimum position even in complicated workpieces.

This MT1 positioner with its L arm design is able to withstand the strain of handling heavy workpieces.

When used together with a Gantry robot it provides the best possible workpiece access.

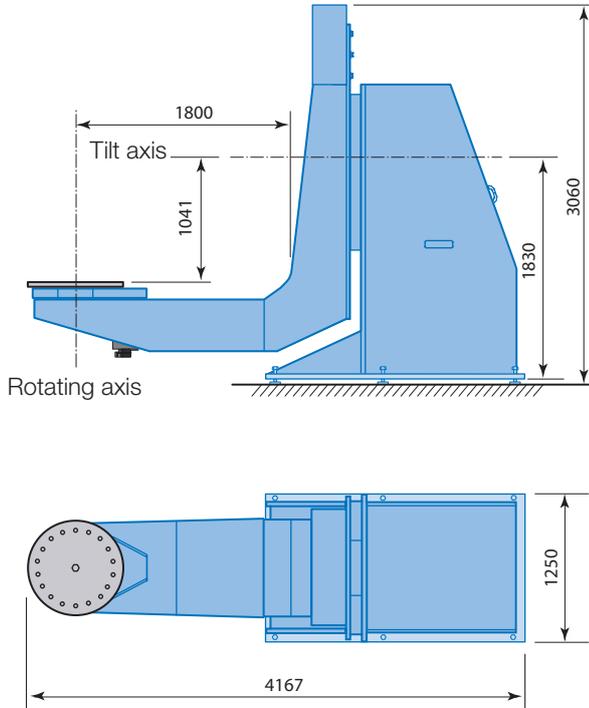
Technical data		MT1-3000 S2D	MT1-5000 S2D
Max. payload		3000 kg	5000 kg
Welding capacity	100% duty cycle 60% duty cycle	2x 350 A 2x 460 A	2x 350 A 2x 460 A
Tilt axis torque	dynamic static	15058 Nm 12045 Nm	15058 Nm 12045 Nm
Tilt axis	rated speed maximum speed	0-1.9 rpm 2.5 rpm	0-1.9 rpm 2.5 rpm
Rotating axis torque	dynamic static	10498 Nm 8398 Nm	10498 Nm 8298 Nm
Rotating axis	rated speed maximum speed	0-2.7 rpm 3.6 rpm	0-2.7 rpm 3.6 rpm
Rated offset from centre of gravity (COG)		285 mm	171 mm
Weight		7061 kg	7044 kg

Controlled by
YRC1000

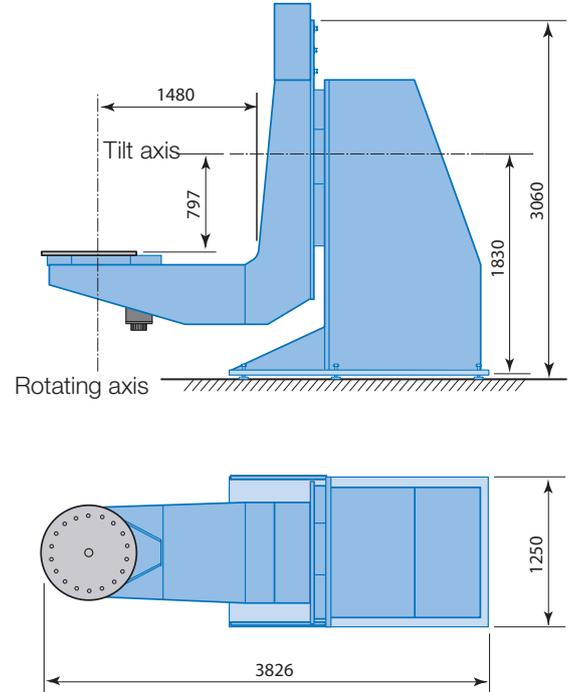
Controlled by
DX200

MT1-3000, -5000

MT1-3000 S2D



MT1-5000 S2D



	H (mm)	L (mm)	Part No.
MT1-3000 S2D	1830	1800	124620-100
MT1-5000 S2D	1830	1480	124621-100

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