The Motoman MA1550 was developed on the basis of the service-proven MA1400. The working range has been extended by 150 mm to 1584 mm. The superior wire feed system and integrated cable routing have been retained. This opens up new fields of application for the arc welding of bulky workpieces that are difficult to reach, while ensuring high-quality results.
This is assured not only by the high path accuracy of Motoman robots, but also by the integrated supply lines that prevent collisions in the workspace, minimize wear to the torch dress package and facilitate access to the fixture. Furthermore, power, gas and air connections are integrated in the base, allowing the implementation of a 360° workspace. Fast motion sequences and high repeatability ensure high workpiece output.

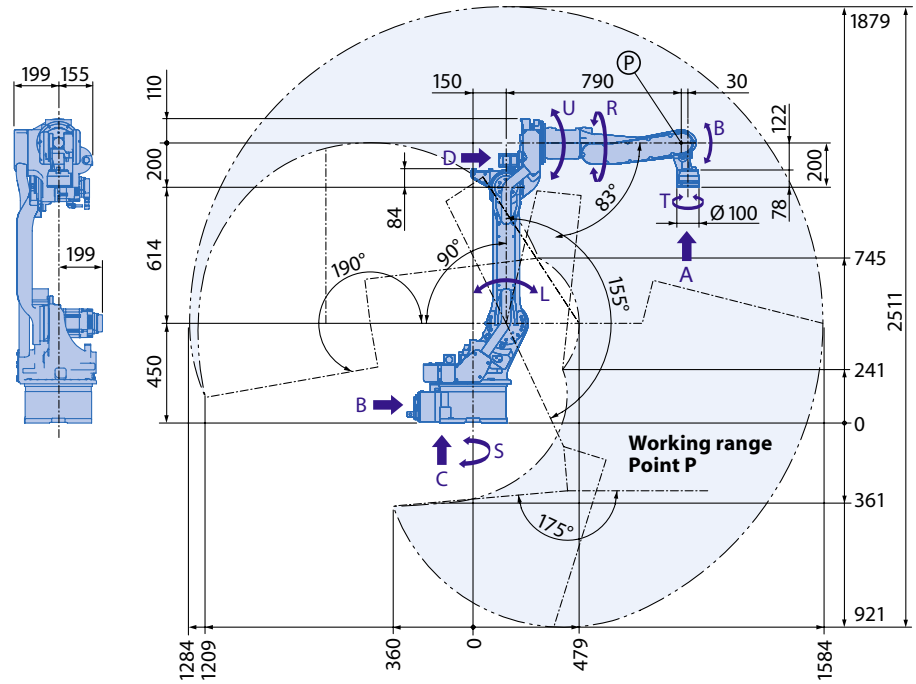
Key benefits

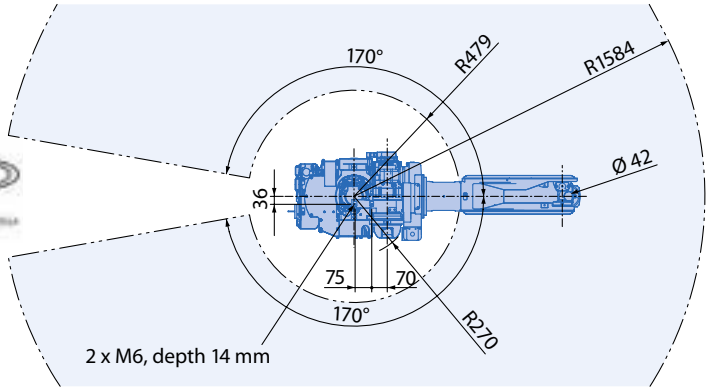
- Extended working range to provide increased flexibility for large work pieces
- Improves weld quality
- Protected cable routing inside the robot arm
- Low space requirements thanks to streamlined design
- Increased productivity thanks to high dynamic performance

MOTOMAN MA1550

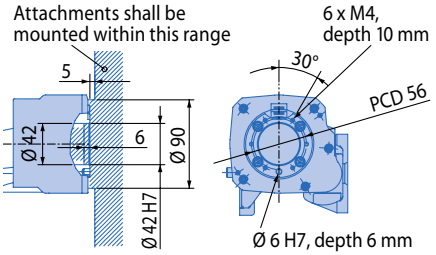
Shielded arc welding

YASKAWA

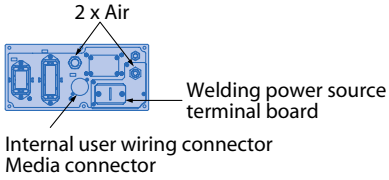




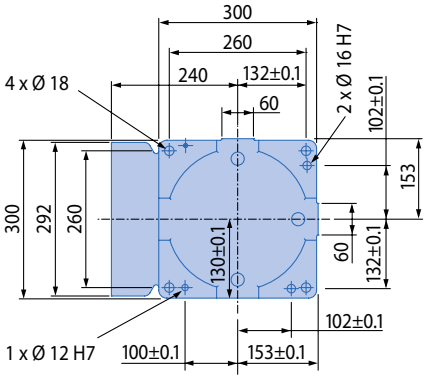
View A



View B

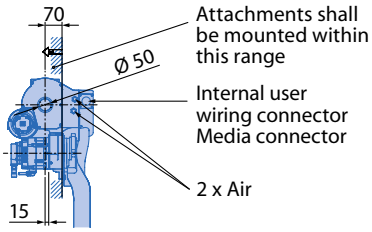


View C

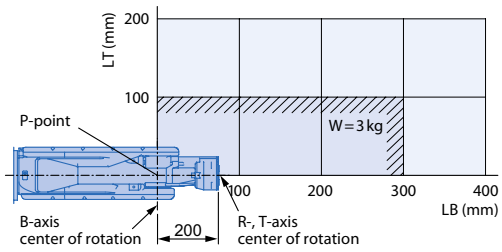


Mounting options: Floor, ceiling, wall

View D



Allowable wrist load



All dimensions in mm | Technical data may be subject to change without previous notice |
Please request detailed drawings at robotics@yaskawa.eu.com – YR-MA01550-B00, A-11-2012, A-No. 159592

Specifications MA1550

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m²]
S	±170	220	–	–
L	+155/–90	200	–	–
U	+190/–175	220	–	–
R	±150	410	8.8	0.27
B	+180/–45	410	8.8	0.27
T	±200	610	2.9	0.03

Controlled axes	6
Max. payload [kg]	3
Repeat. pos. accuracy [mm]	±0.08
Max. working range [mm]	R = 1584
Temperature [°C]	0 to +45
Humidity [%]	20 – 80
Weight [kg]	130
Power supply, average [KVA]	1.5

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