The 6-axis MOTOMAN-MA1400 has been developed in order to achieve optimal results in extremely difficult conditions and especially for the high demands of arc welding applications. With it's superior wire feed system, the maximum working range of 1,434 mm and integrated media hose package, the 6-axis robot MA1400 significantly improve welding quality. This enables the simple machining of bulky and hard-to-access workpieces. The fast motion sequences reduce welding cycle times. The torch cables are integrated in the robot arm in order to avoid collisions with the workpiece or other robots. This not only ensures greater accessibility to the devices; the reduced torsional and flexural loads on the torch dress package also result in less wear. Additionally, the possible number of robots in the production cells can be increased considerably. Further new features are the integration of the power cable as well as the gas and air connections in the base and an enlarged turning range of more than 360°.



NEW GENERATION!
DX100

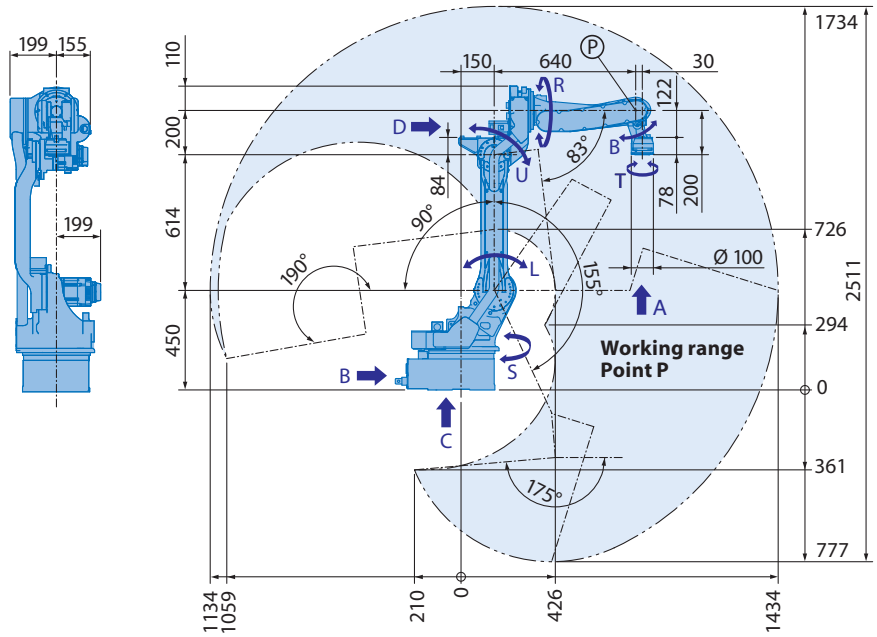
Key benefits

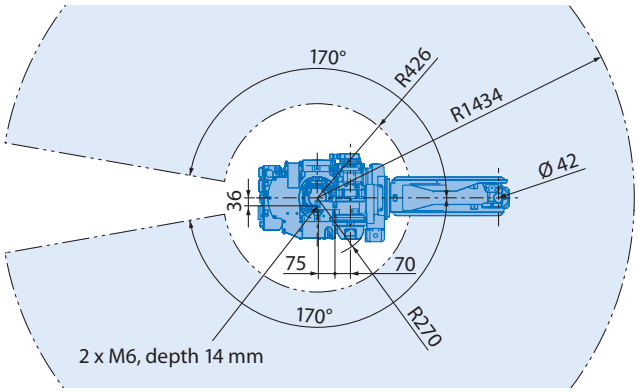
- Enlarged welding reach with maximum working range of 1,434 mm
- Can always be used for welding of short and very long seams
- Protected cable routing in the robot arm
- Simple machining of bulky and hard-to-access workpieces
- Increased productivity
- Production space savings thanks to high density of robots in the cell
- Increased productivity with world's fastest dynamics
- Space-saving cell concept

MOTOMAN-MA1400

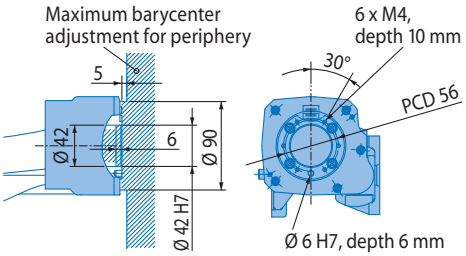
Shielded arc welding

MOTOMAN
A YASKAWA COMPANY

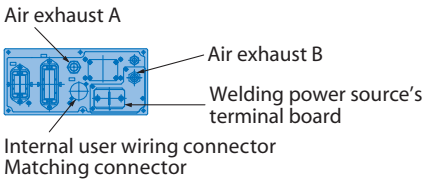




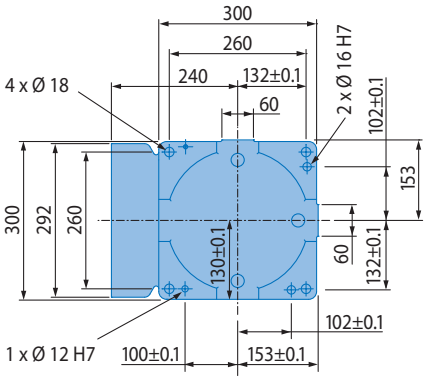
View A



View B

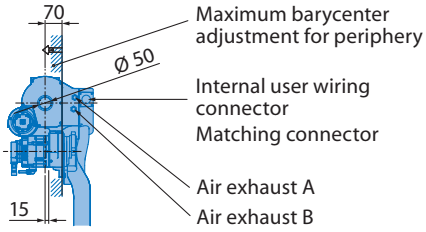


View C



Mounting options: Floor, ceiling, wall

View D



TÜV CERT
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www.tuv.at

All dimensions in mm | Technical data may be subject to change without previous notice |
Please request detailed drawings at info@motoman.de – MA1400, A-01-2010

Specifications MA1400

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg x 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
Repet. pos. accuracy [mm]	±0.08
Max. working range [mm]	R = 1434
Temperature [°C]	0 to +45
Humidity [%]	20 – 80
Weight [kg]	130
Power supply, average [KVA]	1.5

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