YASKAWA

MOTOMAN MC2000 ||

Laser Welding, Material Cutting & Dispensing



The "Master Cut", the versatile, powerful MOTOMAN MC2000 II robot is designed with high rigidity and precision drives to provide superior path accuracy for laser cutting small holes and sharp corners.

The slim base, waist and arm allow this robot to be placed close to work piece holding fixtures to improve part accessibility. Fast axial speeds and acceleration reduce cycle times and increase production output.

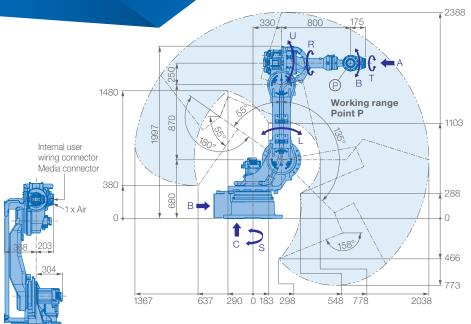
The compact design and advanced collision avoidance features, including brakes on all axes, with multiple robot control allow up to eight robots (72 axes) to be used together to maximise productivity while minimising floor space requirements.

KEY BENEFITS

- Compact, powerful and accurate
- High payload of 50 kg enables easy using of a variety of laser heads
- Cutting and welding of various automotive parts by maximum reach of 2038 mm
- Possibility of using up to eight robots (72 axes) together
- Fast axial speeds and acceleration increase productivity



MOTOMAN MC2000 II



6 Ø 6H7, depth 10 Ø 8H7, depth 14

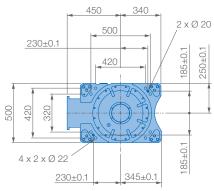
View B

View A



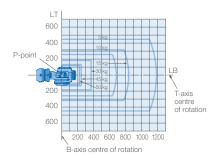
180° P2038

View C



Mounting option: Floor Protection class: IP54/67

Allowable wrist load





Specifications MC2000 II						
Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [Nm]	Allowable moment of inertia [kg · m²]	Controlled axes	6
					Max. payload [kg]	50
S	±180	150	-	-	Repeatability [mm]	±0.07
L	+135/-90	150	-	_	Max. working range R [mm]	2038
U	+235/-158	150	-	-	Temperature [°C]	0 to +40
R	±360	250	110	7	Humidity [%]	20 – 80
В	±125	250	110	7	Weight [kg]	845
Т	±360	250	55	1	Power supply, average [KVA]	3.5

YASKAWA

YASKAWA Europe GmbH

Robotics Yaskawastraße 1 85391 Allershausen, Germany Tel. +49 (0) 8166 90-0 robotics@yaskawa.eu.com All dimensions in mm

Technical data may be subject to change without previous notice | Please request detailed drawings at robotics@yaskawa.eu.com

YR-MC-02000-J00 A-02-2017, A-No. 167083