

YASKAWA

MOTOMAN MPL100 II

Palletising with the MPL-series

The versatile and powerful 5-axis MOTOMAN MPL100 II robot provides high performance in bag palletising, case palletising, order picking and many further logistical tasks for end-of-line or distribution center automation. Its extensive vertical reach of 3149 mm

combined with 2150 mm horizontal reach enables high palletising loads. Internally routed airlines and cables from base to end-of-arm tool maximize system reliability.

The MPL100 II is driven by the high-performance DX200 controller which is available with the optional Category 3 Functional Safety Unit (FSU), providing a variety of new safety functions.



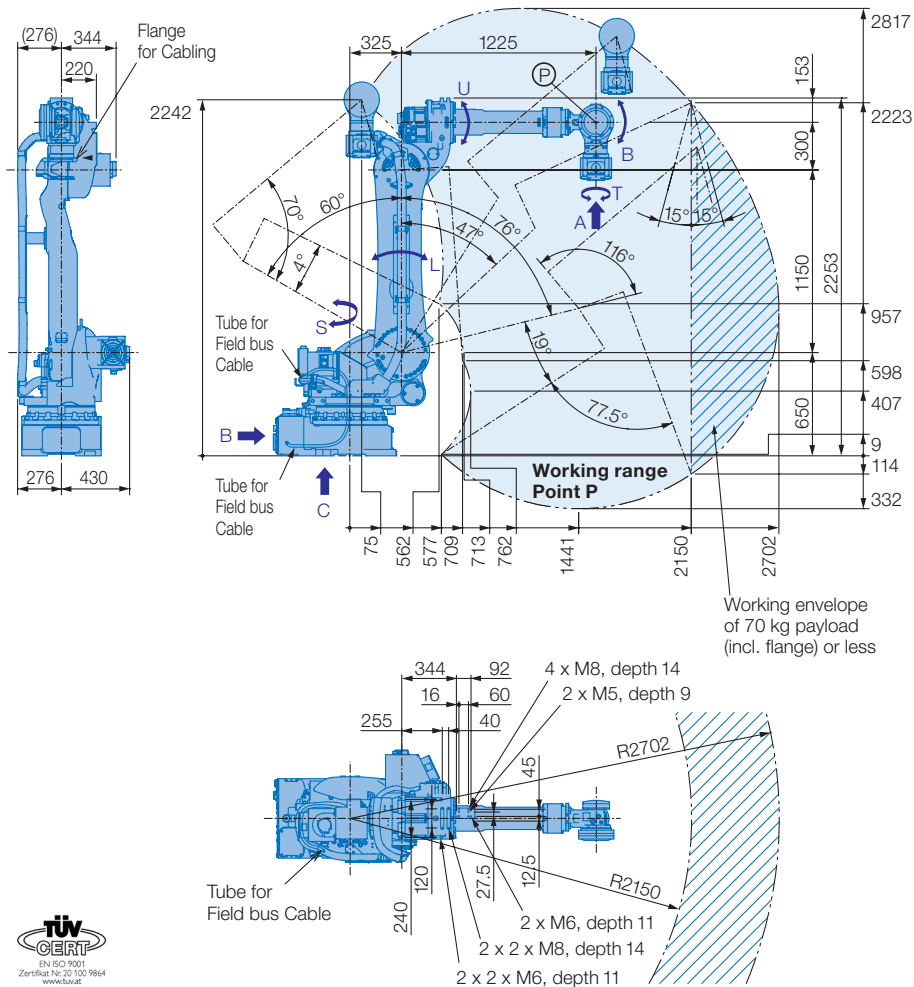
KEY BENEFITS

- Compact, flexible and powerful
- High acceleration and speed:
Up to 1550 cycles/min., Suitable for bag palletising
- High Payload: 100 kg
- Large motion range:
 - 1500 mm square reach
 - 1900 mm stack height
- Maximum reliability, internally routed airlines and cables
- Internally routed fieldbus connection to T-axis/tool
- U-shaped flange for easy cable routing
- Enhanced Safety Functions for DX200 Functional Safety Controller (FSU)

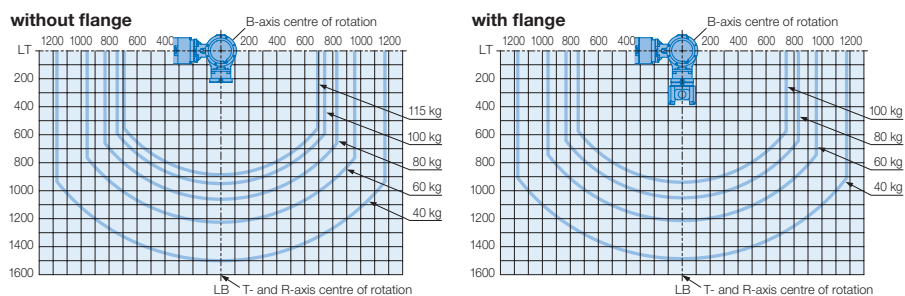
Suitable
for bag
palletising

Controlled by
DX200

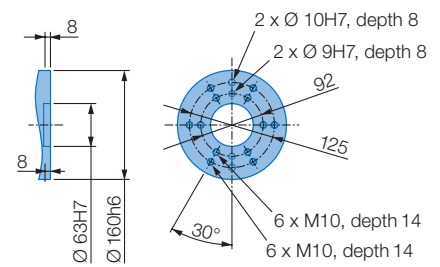
MOTOMAN MPL100 II



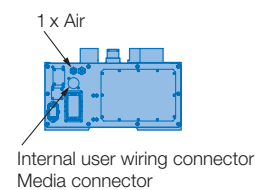
Allowable wrist load



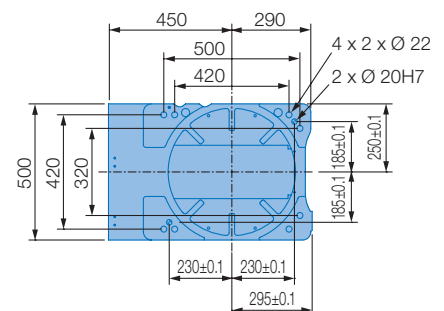
View A



View B



View C



Mounting option: Floor

All dimensions in mm | Technical data may be subject
to change without previous notice | Please request detailed
drawings at robotics@yaskawa.eu.com –
YR-MPL0100-J00, B-05-2015, A-No. 170966

Specifications MPL100 II

Axes	Maximum motion range [°]		Maximum speed [°/sec.]		Allowable moment [Nm]		Allowable moment of inertia [kg · m²]		Flange	without	with
									Controlled axes	5	
									Max. payload [kg]	115	100
Flange	without	with	without	with	without	with	without	with	Repeat. pos. accuracy [mm]	±0.2	
S	±180		125		–		–		Max. working range [mm]	2150	
L	+76/–60		88		–		–		Temperature [°C]	0 to +45	
U	+40/–147		125		–		–		Humidity [%]	20 – 80	
B	±15		175		196		90 88		Weight [kg]	950	
T	±360	±210	265		0		55		Power supply, average [KVA]	8	

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