

# YASKAWA

# MOTOMAN GP50

Handling & General Applications  
with the GP-series

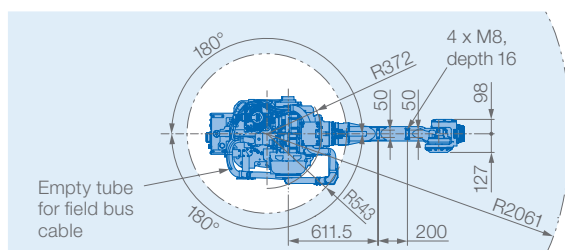
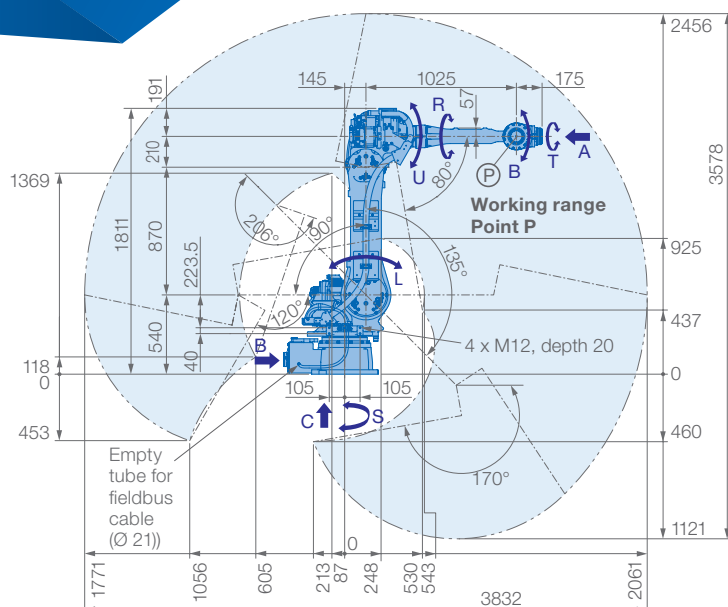
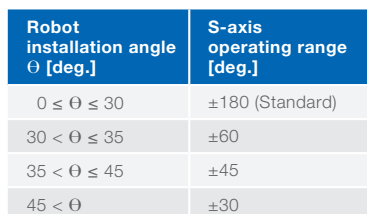


The MOTOMAN GP50 is a versatile, high speed 6-axis robot offering superior performance in material handling, machine tending, processing and dispensing applications.

Due to its compact design, the GP50 can be placed close to machines for loading and unloading of parts.

## KEY BENEFITS

- Fast, flexible and reliable
- Ideal for a variety of applications, multi-purpose robot
- Robot with sleek design that requires minimal installation space
- 50 kg payload



2 x Air

Internal user wiring connector

Media connector

Protection class Version YR-1-06VX50-A00  
Standard: Main axes (S, L, U) IP54, wrist IP67

**Please notice wall mounting option:**  
±30° S-axis limit

**Please notice tilted robot:**  
0°–90° limitation of S-axis, details on request

\* tilt with condition of angle – see table left side

Specifications GP50						
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	180	–	–	Repeatability [mm]	±0.07
L	+135/–90	178	–	–	Max. working range R [mm]	2061
U	+206/–80	178	–	–	Temperature [°C]	0 to +45
R	±360	250	216	28	Humidity [%]	20 – 80
B	±125	250	216	28	Weight [kg]	570
T	±360	360	147	11	Power supply, average [KVA]	4.0

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All dimensions in mm. Technical data may be subject to change without previous notice.  
Please request detailed drawings at [robotics@yaskawa.eu.com](mailto:robotics@yaskawa.eu.com).

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