



Magnet Gripper

for Collaborative Robots

Compliant with the TM Series

OMRON Corporation

collaborative robot and the TM Series

TECHMAN ROBOT Inc.

collaborative robot

Plug and Play

configuration for immediate use

TMComponent Easy programming







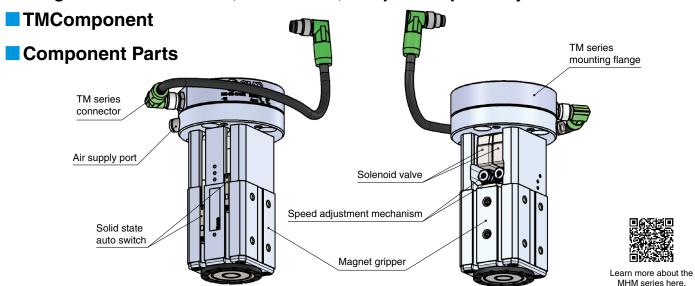


Pugand Magnet Gripper for Collaborative Robots

OMRON Corporation and TECHMAN ROBOT Inc.

TM5, TM12, and TM14 compliant

- Attracts and holds heavy objects with a magnet
- Supports workpieces with holes and uneven surfaces
- Compact with high holding force
 - Holding force: Max. 200 N (Ø25, Workpiece thickness 6 mm)
- Continues to hold workpieces even when the air is shut off
- Operate by simply connecting 1 air supply tube and an electrical wiring M8 connector.
- Integrated solenoid valve, auto switch, and piston speed adjustment mechanism



How to Order



MHM-25D-X7400A-TM

Specifications

Fluid		Air
Action		Double acting
Operating pressure [MPa]		0.2 to 0.6
Proof pressure [MPa]		0.9
Ambient and fluid temperatures [°C]		-10 to 50 (No freezing)
Holding force [N]	Workpiece thickness: 2 mm	160
	Workpiece thickness: 6 mm	200
Residual holding force [N]		0.3 or less
Lubrication		Non-lube
Weight [g]		590
Standards		ISO 9409-1-50-4-M6
Auto switch model		D-M9N
Connector type		M8 8-pin connector (Plug)

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■ Included parts: Mounting bolt, Positioning pin, Piping tube (ø4 x 2 m), Piping fittings (1 type)

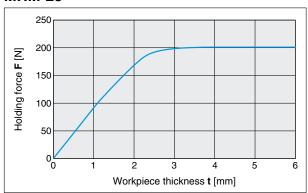


Characteristics

Holding force

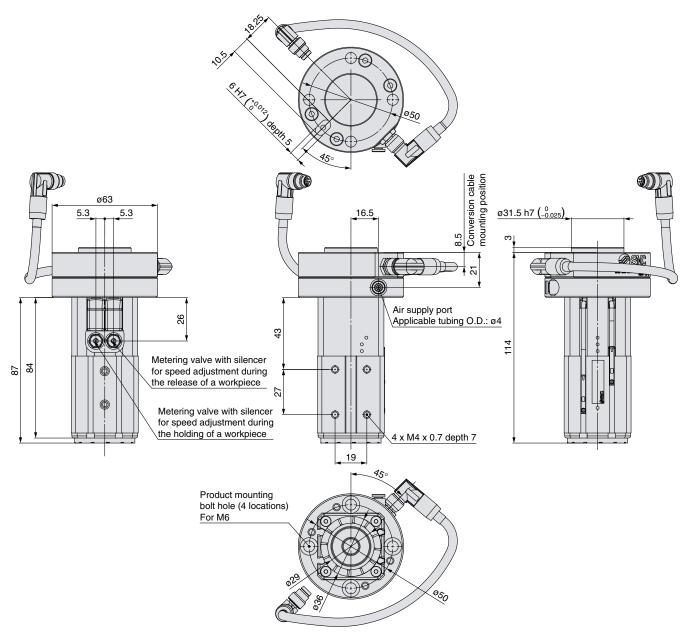
The holding force graph shows the theoretical value for low-carbon steel plates. Holding forces vary depending on the material and shape of the workpiece. Please perform a holding test while referring to the value selected based on the graph.

MHM-25





Dimensions



TMComponent

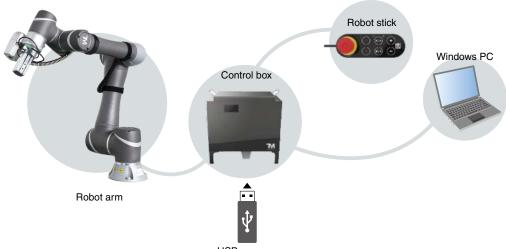


Easy programming

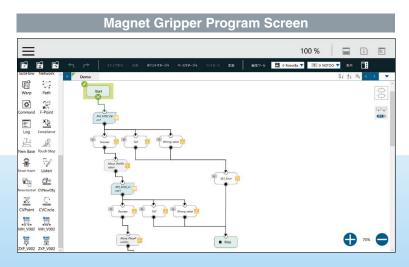
Using the certified software TMComponent of OMRON Corporation and TECHMAN ROBOT Inc., various operations and sensor signals can be easily programmed by using a control box equipped with the dedicated software tool "TMflow" or by using graphical flowcharts on a Windows computer.

You can easily install the software by inserting a USB with the TMComponent software package into a control box or Windows computer.

* Please download the TMComponent software package from the SMC website, and save it to a USB memory.



USB memory (Saved copy of TMComponent software)





Asfety Instructions Be sure to read the "Handling Precautions for SMC Products" (M-E03-3) and "Operation Manual" before use.

SMC Corporation

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