

# Industrial robot DOBOT MG400. Small. Lightweight. Powerful.



 **VARIOBOTIC**  
endless possibilities

Misprints and technical changes reserved, Status: 08/2022

With the DOBOT MG400 industrial robot, highly repeating and standardized processes can be automated easily and quickly. With a footprint smaller than one piece of A4 paper, it fits into small production environments and helps users implement simple automation solutions. With its intuitive programming options, such as teaching & playback or graphical programming, the DOBOT MG400 allows any user with different programming experience to start up the robot quickly and easily.

We are available for you by mail and during our opening hours by phone.  
Monday - Friday 8:30 am – 4:30 pm

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# DOBOT MG400.

## Technical specifications.

<b>Number of Axis</b>	4
<b>Payload</b>	500 g without limitations (max. 750 g with low performance)
<b>Reach</b>	440 mm
<b>Repeatability</b>	± 0.05 mm
<b>Working Temperature</b>	0° C - 40° C
<b>Base Dimensions</b>	190 mm x 190 mm
<b>Weight without Tools</b>	8 kg
<b>Software</b>	DobotStudio Pro
<b>Communication</b>	TCP/IP, Modbus TCP
<b>Power Input</b>	100 V - 240 V AC, 50/60 Hz
<b>Rated Voltage</b>	48 V
<b>Rated Power</b>	150 W
<b>Max. Output current via single digital output road / summarized over all outputs</b>	0.5 A / 2 A
<b>Max. Ouput current between 24 V and GND pin</b>	2 A
<b>Electrical design</b>	PNP

<b>Joining Range</b>	J 1 (base)	±160 °
	J 2 (rear arm)	-25 ° ~ 85 °
	J 3 (forearm)	-25 ° ~ 105 °
	J 4 (rotation servo)	±360 °
<b>Max. Speed</b>	J 1 (base)	300° / s
	J 2 (rear arm)	300° / s
	J 3 (forearm)	300° / s
	J 4 (rotation servo)	300° / s

<b>Base I/O Interface</b>	Digital Input	16
	Digital Output	16
	Ethernet RJ45	2
	USB	2
	Air way input - air tube diameter 4 mm	1
	Encoder Input	1
<b>Forearm I/O Interface</b>	Digital Input	2
	Digital Output	2
	Air way output - air tube diameter 4 mm	1

**Scope of delivery**

DOBOT MG400  
Ethernet cable  
Zero position fixture  
Suction cup (diameter 20 mm)  
Flange adapter  
Emergency stop  
Power supply  
Tool kit  
Documentation (Shipping list, quick start guide, etc.) - english/chinese  
(vacuum pump is not included in the scope of delivery)

