SCARA-Robot DOBOT M1 Pro.
Multiflexible industrial robot for pick and place.

VARIOBOTIC
endless possibilities

The DOBOT M1 Pro industrial robot is fast, precise and reliable. Whether for pick and place, dispensing, separating or sorting in a laboratory, with its 4 axes it is used in a wide variety of applications. Compared to multi-axis robots, the kinematics calculation in space is much simpler. It is robust, fast, requires little space, has a high repeat accuracy and, in addition to simple operation, is probably the most cost-effective start in this robot classification. With its reduced amortization period, it offers small and medium-sized businesses in particular the possibility of cost-efficient automation.

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

📞 **+49 731 850722 00**

✉ **info@variobotic.de**

🌐 **www.variobotic.de**

DOBOT M1 Pro.
Technical specifications.

Number of Axis	4
Payload	1.5 kg
Reach	400 mm
Repeatability	± 0.02 mm
Working Temperature	0° C - 40° C
Base Dimensions	230 mm x 175 mm
Weight without Tools	15.7 kg
Software	DobotStudio Pro
Programming	Blockly, LUA, SDK (Python 3)
Communication	TCP/IP, Modbus TCP
Power Input	100 V - 240 V AC, 50/60 Hz
Rated Voltage	48 VDC
Rated Power	150 W
Max. Output current via single digital output road / summarized over all outputs	0.5 A / 2 A
Max. Ouput current between 24 V and GND pin	2 A
Electrical design	PNP

Joing Range	J 1 (rear arm)	±85 °
	J 2 (forearm)	±135 °
	J 3 (lift)	5 mm ~ 245 mm
	J 4 (rotation servo)	±360 °
Max. Speed	J 1 (rear arm)	180° / s
	J 2 (forearm)	180° / s
	J 3 (lift)	1000 mm / s
	J 4 (rotation servo)	1000° / s

Base I/O Interface	Digital Input	16
	Digital Output	16
	Ethernet	2
	USB	2
	Encoder Input (ABZ-Encorder)	1
Forearm I/O Interface	Digital Input	4
	Digital Output	4
	RS 485 (Modbus RTU)	1

Scope of delivery	DOBOT M1 Pro
	Ethernet cable
	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)