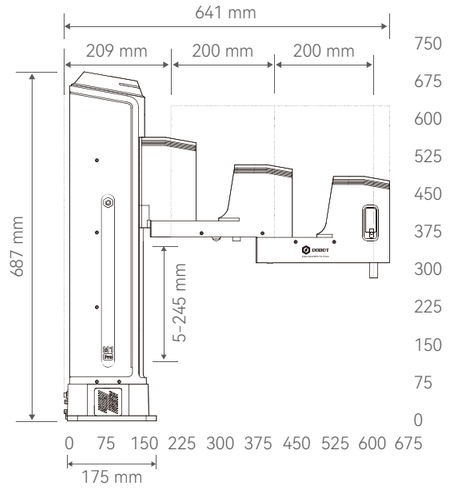
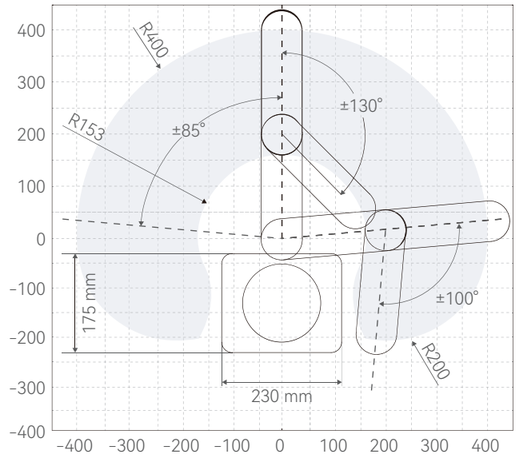
Product Specifications





Model	M1 Pro		
Number of Axes	4		
Payload	1.5 kg		
Working Radius	400 mm		
Repeatability	±0.02 mm		
Motion Parameters	Joint	Range of Motion	Max. Speed
	J1	±85°	180° /s
	J2	±130°	180° /s
	J3	5 mm to 245 mm	1000 mm/s
	J4	±360°	1000° /s
Power Supply	100 to 240 V AC, 50/60 Hz		
Rated Voltage	48V DC		
Rated Power	192W		
Communication	TCP/IP, Modbus TCP		
Installation Orientation	Desktop		
Weight	15.7 kg		
Base Dimensions	230 mm × 175 mm		
Working Environment	0° to 40° C		
Software	DobotStudio 2020, SCStudio		

DOBOT

en.dobot.cn
sales@dobot.cc
linkedin.com/company/dobot-industry
youtube.com/@dobotarm
Floor 9, 10, 14, 24, Building 2, Chongwen Garden Nanshan iPark, Liuxian Avenue, Nanshan District, Shenzhen, China

D230112

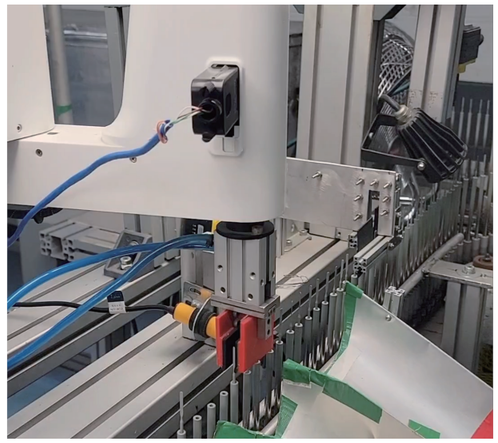
DOBOT M1 Pro

Collaborative SCARA Robot

DOBOT M1 Pro

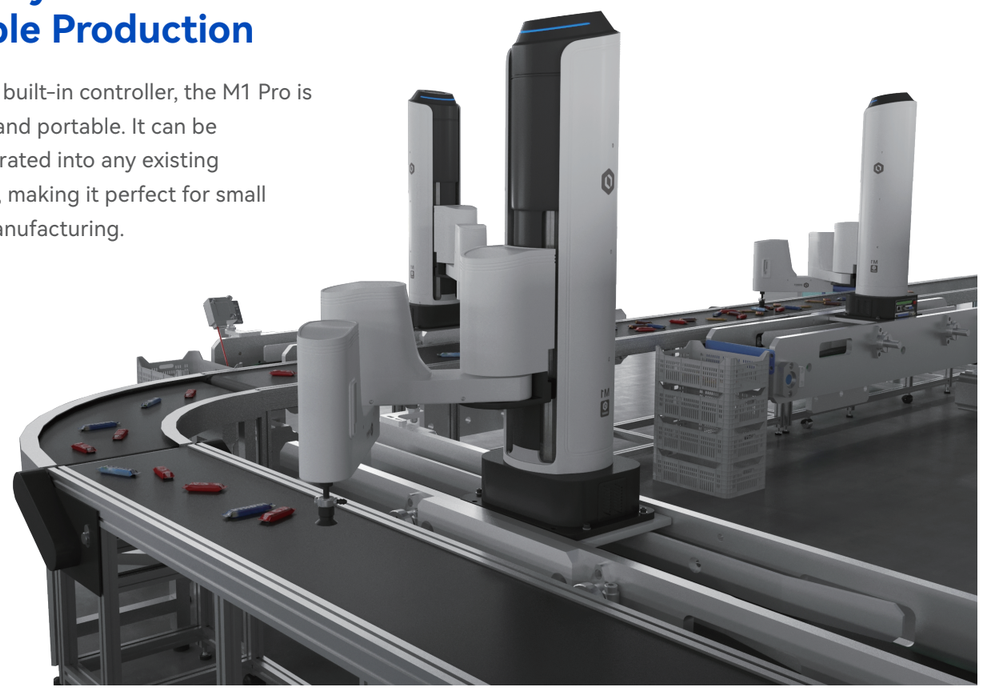
The M1 Pro is a collaborative SCARA made for the light industry. Its capabilities are built on top of the advantages of M1, and integrates Dobot's smart software and hardware platforms, making it ideal for the manufacturing needs of the light industry as it can perform even more complicated tasks.

The M1 Pro features sensor-free collision detection, drag-to-teach programming, and high precision and interference resistant encoders for more accurate controls. Secondary development is possible to enable more application scenarios.



Fast Deployment for Flexible Production

Equipped with a built-in controller, the M1 Pro is highly compact and portable. It can be seamlessly integrated into any existing production lines, making it perfect for small batch flexible manufacturing.



Easy Programming with Intuitive Software

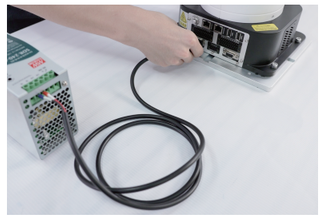
No expert-level programming skills are required with the intuitive Dobot software. Calibration is greatly simplified with scripting and graphical programming, using wired and wireless connections to PCs, tablets, smartphones and other terminal devices.

Safe Collaboration with Incredible Expandability

The M1 Pro is designed to work alongside humans safely. The robot will stop automatically and immediately if it bumps into any object. A wide array of accessories are available for users to choose from, including grippers, suction cups and vision kits. The vision kit perfectly meets the needs of visual applications such as visual positioning, measurement, detection, and recognition. Packed with dozens of I/Os and two network interfaces, the M1 Pro unlocks unlimited possibilities for automation.

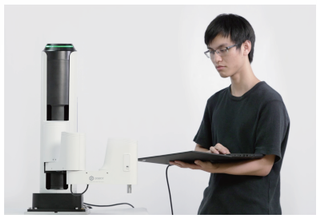
Ideal for Small and Medium-Sized Enterprises

The highly portable and cost effective M1 Pro delivers fast setup and flexible deployment with minimal downtime and investment. It is designed to be low maintenance, making the M1 Pro ideal for SMEs looking for automation solution.



Step 1

Step 2



Step 3