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DOBOT M1

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DOBOT

DOBOT M1

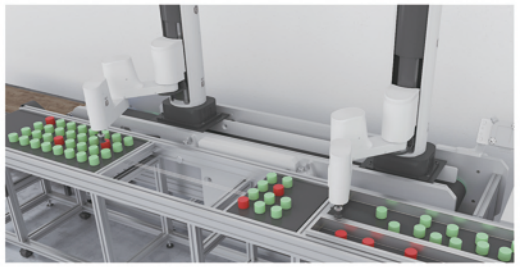
Most Affordable Lightweight Industrial Robotic Arm for Man-machine Collaboration



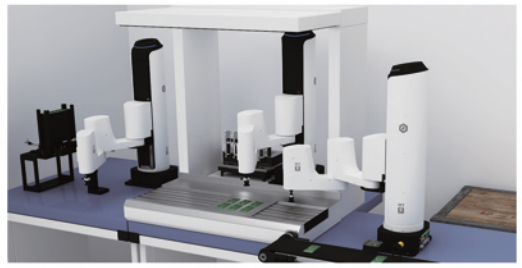
PRODUCT INTRODUCTION

DOBOT M1 is a lightweight robotic arm for human-machine collaboration with all perception and reasonable price. Featuring high accuracy, large working range, complete functions with terminal repeatability up to 0.02mm and maximum arm span reaching 400mm, M1 can realize visual identification and sorting, PCB plug-in and other functions, making it the perfect choice for all kinds of assembly line operations. Besides, DOBOT M1 supports secondary development, providing users with wider possibility for development.





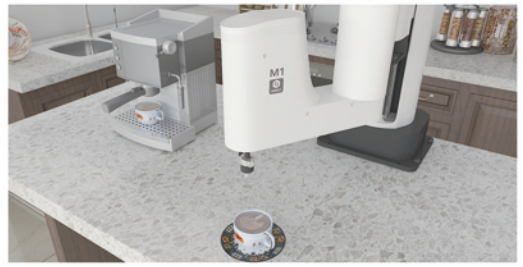
Material Loading and Unloading



PCB Detection



Special Printing



Coffee / Tea Making



Visual Sorting Demo



Integrated Solution for University Robot Lab

PERFORMANCE CHARACTERISTICS

Plug and Use; Easy to move

All-in-one Compact Design



Efficient Deployment

Intelligent Ports for Multiple Usages

Simple and Nimble

【 SPECIFICATION 】

Type	DOBOT M1			
Controlled Axes	4		Payload	1.5kg
Max. Reach	400mm		Position Repeatability (Control)	0.02mm
Range of Motion	J1	±90°	Maximum Speed	J1 200°/s
	J2	±135°		J2 200°/s
	Z	250mm		J1+J2 2000mm/s
	R	±360°		Z 1000mm/s
Cycle time	0.45s		Power Supply	100-240VAC. 50-60Hz
I/O	24V input×8, 24V output×8		Operating System	Linux
Interface	Ethernet,RS-232C, USB HID		Software	DobotStudio
Control platform	ARM Cortex-A9 +ARM Cortex-M4+ FPGA			