



ADVANCED
MECHATRONICS
SOLUTIONS, INC



DOBOT M1

Most Affordable Lightweight
Industrial Robotic Arm for
Man-machine Collaboration



DOBOT M1



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TODAY!

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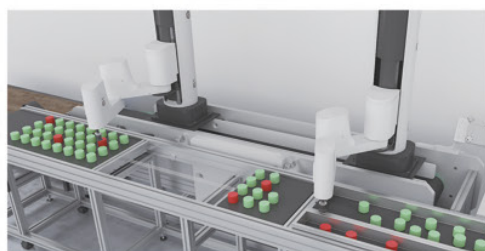
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PRODUCT INTRODUCTION

AMS

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			