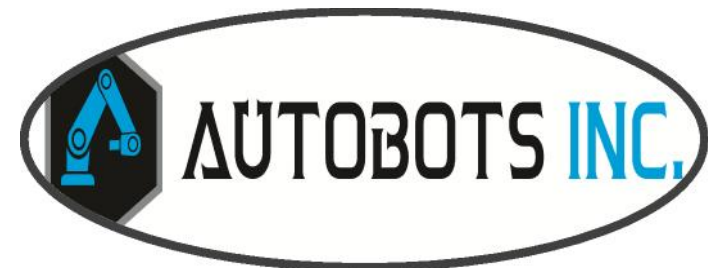




DOBOT M1



DOBOT M1

4-Axis Cooperative Robotic
Arm



DOBOT M1 is a cost-effective intelligent robotic arm for light industry. With high precision, wide working range, complete functions and secondary development, it provides users more ways to use. M1 can realize multiple functions of assembly line work such as soldering, visual recognition and PCB plug-in, helping to construct the intelligent industrial system.





CONTROL COST, COMPACT DESIGN

Compact design enables M1 to truly realize the integration of drive control, greatly improving the working efficiency between servo drive and control system.

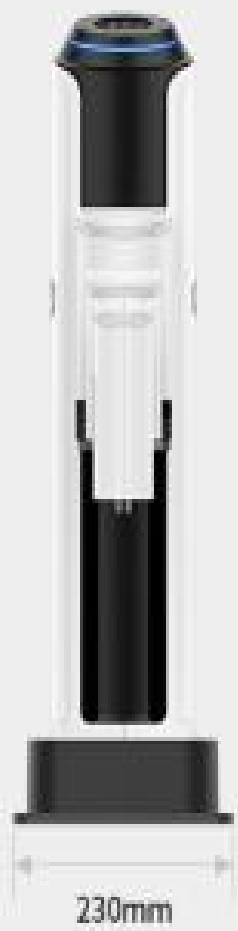


main control panel



actuator

DOBOT M1 SPEC



Type		DoBot M1
Controlled Axes		4
Payload		1.5kg
Max. Reach		400mm
Position Repeatability(Control)		0.02mm
Cycle time		0.45s
Range of Motion	J1	$\pm 90^{\circ}$
	J2	$\pm 135^{\circ}$
	Z	250mm
	R	$\pm 360^{\circ}$
Maximum Speed	J1	160°/s
	J2	160°/s
	J1+J2	2000mm/s
	Z	1000mm/s
Power Supply		100-240VAC. 50-60Hz
Control platform		ARM Cortex-A9 +ARM Cortex-M4+ FPGA
Operating System		Linux
Interface		Ethernet,RS-232C,USB HID
I/O		24V input×8, 24V output×8
Software		M1 Studio



DOBOT M1




Features:

- Plug-and-work
- Intelligent interface
- Widely applied
- Integrated design
- Concise dexterous

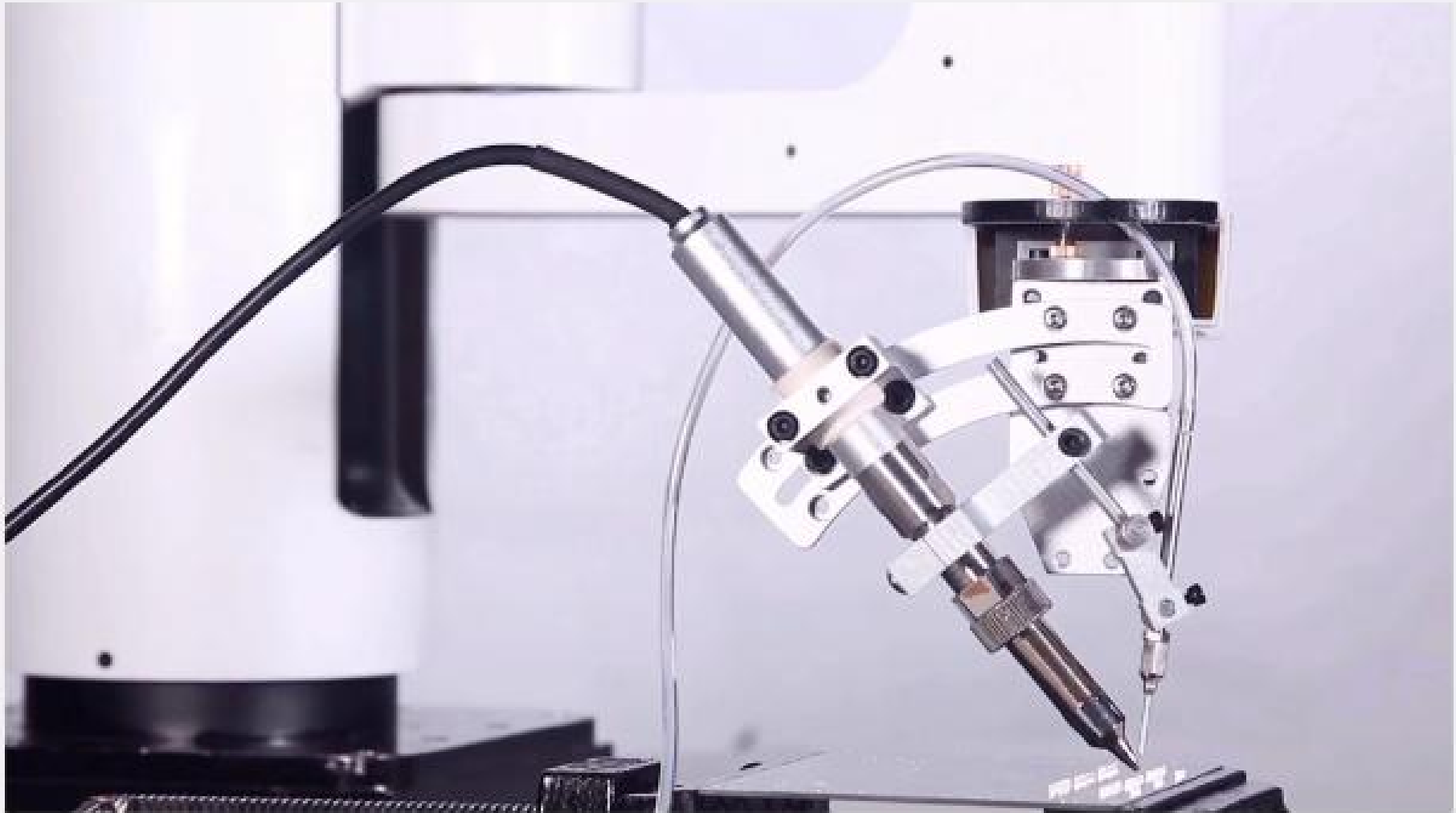
Typical Application Scenario:

- Sorting operations with visual system
- Flaw detection
- Packing operation
- Material loading and unloading

Comparison of Parameters

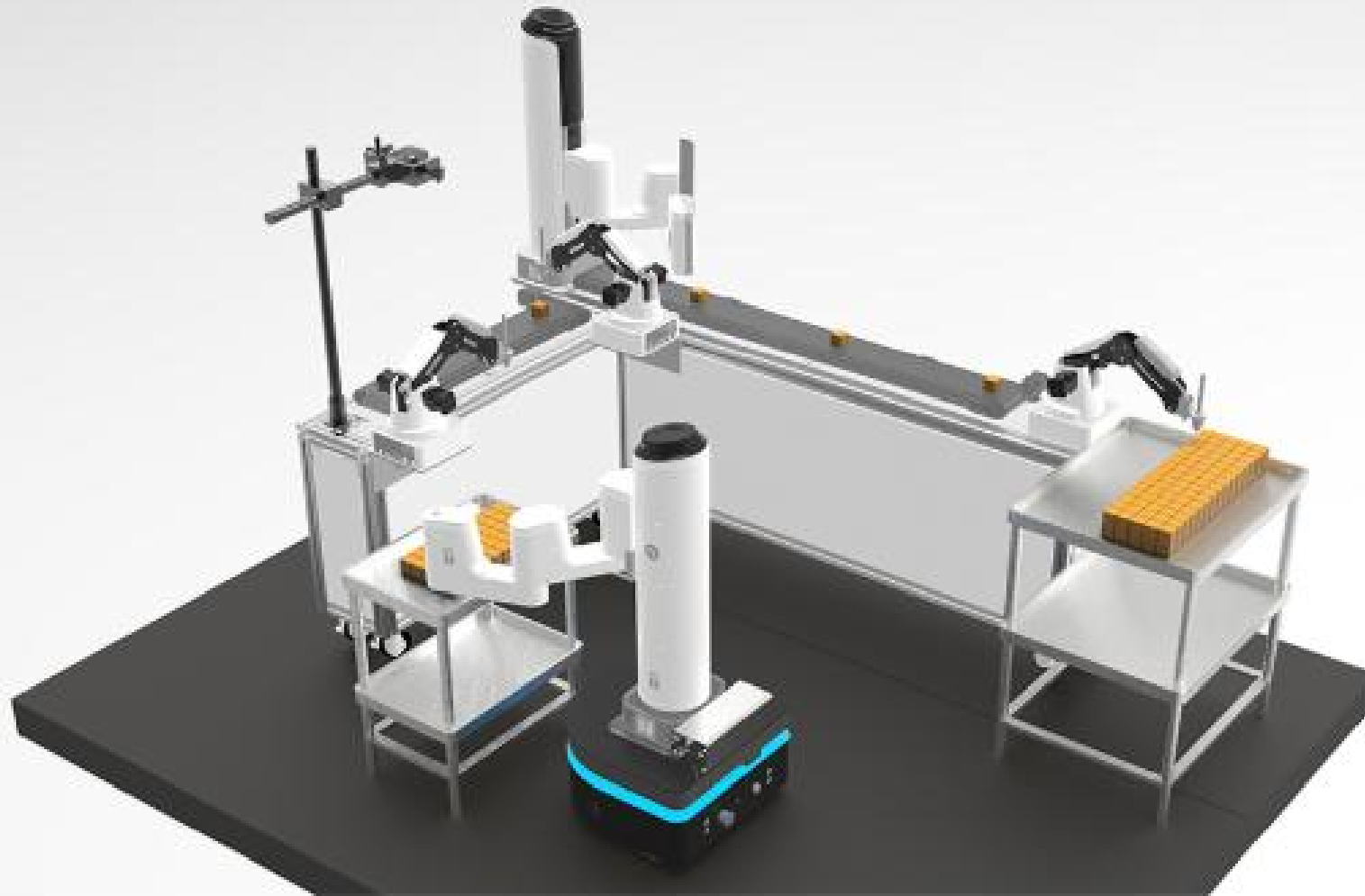
	Dobot M1	ABB IRB 120	Yaskawa MOTO MINI
Positioning repeatability	0.02mm	0.02mm	0.03mm
Payload	1.5kg	3.0 kg	0.5kg
Handhold teaching	yes	no	no
Operation	easy	hard	hard
Maintainance	easy	hard	hard
Collaboration function	yes	no	no
Drive control integration	yes	no	no
Product picture			

DOBOT M1 APPLICATIONS



PCB PLUG-IN AND SOLDERING

M1 can finish assembly line tasks instead of manual work, and can be perfectly qualified for tasks required high precision such as PCB plug-in, soldering and gluing.



AUTOMATIC PACKING

Enterprises can save plenty of time and cost by setting up automatic product line with M1 for automatic packing.



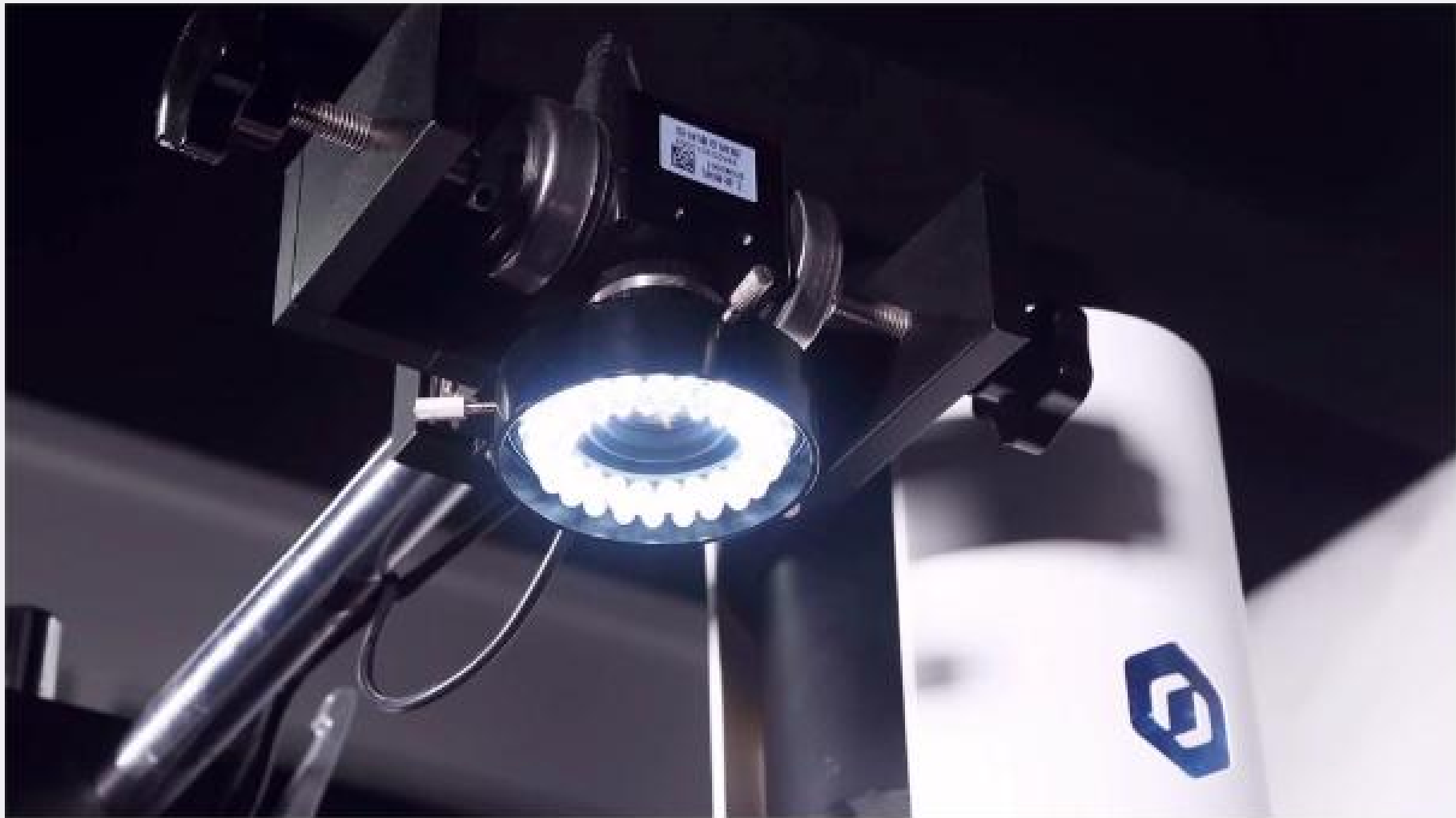
AUTOMATIC PRODUCTION OPERATION

M1 can carry, assemble, sort and pack products instead of manual work, so that the production process can be simplified and production efficiency gets improved greatly.



VISUAL SORTING

With the visual recognition suite, M1 can work like eyes to recognize and sort objects with different colors and shapes.



DEFECT DETECTION

M1 can be used for product quality check. With industrial cameras, M1 can recognize defective products quickly.

DOBOT M1 PACKAGE DETAILS

Shipping List of Basic M1 Standard Package

M1 Arm

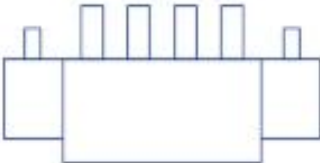


PSU

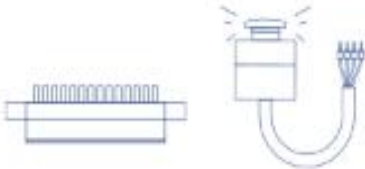
- (1) AC Power Cable
- (2) DC Power Cable
- (3) Power Adapter



4Pin Connector



Emergency Stop Switch Kit



DB9 Serial Cable

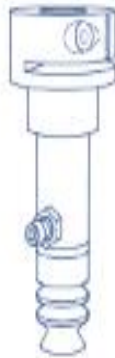


Network Cable



Basic Suite (Option and Additional Pay Accessories)

Suction Cup

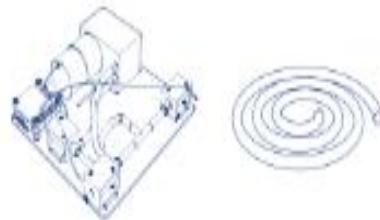


Gripper



Air Pump Kit

- (1) Cables
- (2) 4 Pin Connector
- (3) Air Pump
- (4) Air Tube



Creative Suite (Option and Additional Pay Accessories)

3D Printing Kit

- (1) 3D Printing Head
- (2) Connecting Cable
- (3) Printing Filament
- (4) Masking Paper

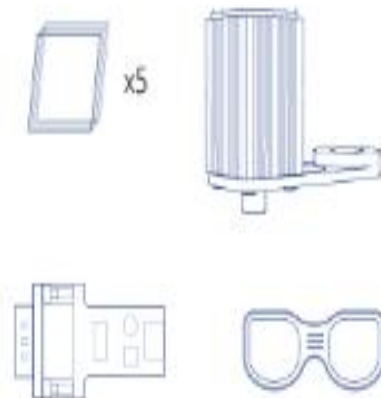


Pen Holder+Pen



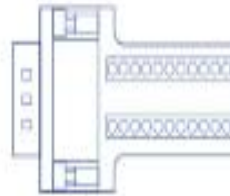
Laser Engraving Kit

- (1) Kraft Paper
- (2) Laser Head
- (3) Pinboard
- (4) Lasing Protective Eeglass

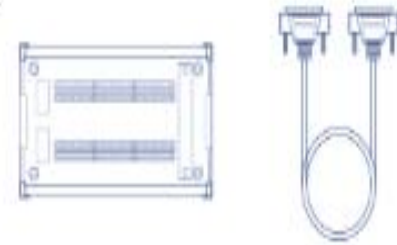


Expansion Suite (Option and Additional Pay Accessories)

DB15 Expansion



DB62 Expansion & Cable



DB26 Expansion & Cable



**CONTACT US TO GET YOUR DOBOT M1
NOW !!!**



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