

WORLD TECHNOLOGY
GLOBAL LEADER

Labot MT

Efficiency and Safety All in One



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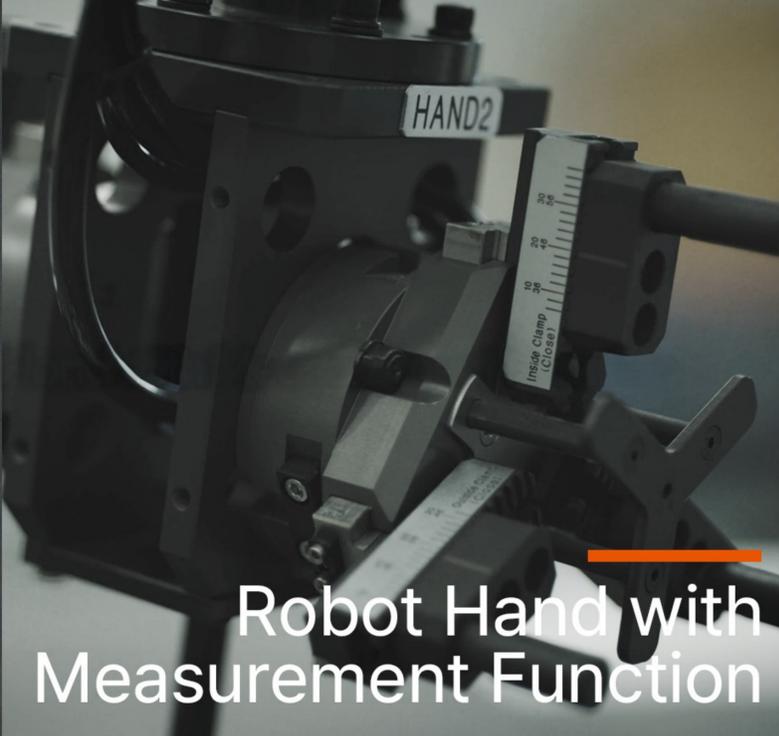




You don't need more. You need Labot.



Dimensions (LxWxH) / Weight		1820x1950x2000 mm (71.7"x66.3"x78.7") / 890kg (1962lb)
Control Software		Smart EZ
Number of Pallet		2
Power Supply		5kVA
Pneumatic Pressure		5bar (73.5psi)
Robot	Fanuc Robot	M20iD/25 (25kg/55.1lb Payload)
		M20iD/35 (35kg/77.2lb Payload)
Robot Hand (Standard)		Dual 3-Jaw gripper (8.6kg/18.9lb)
Robot Hand Gripper Control		Pneumatic
Workpiece Diameter (min/max)		24mm - 200mm (0.94" - 7.87")
Workpiece Length (min/max)		20mm - 400mm (0.79" - 15.75")
Workpiece capacity - Table (max)		500kg (1102lb)
Pallet Capacity (pieces) (Per table / Total)	ø30mm (1.18")	145 / 290
	ø50mm (1.96")	61 / 122
	ø75mm (2.95")	33 / 66
	ø100mm (3.93")	22 / 44
	ø160mm (6.29")	7 / 14
	ø200mm (7.87")	5 / 10
Safety	Laser Scanner Sensor	Option
	Safety Fence	Standard (Lock type: Option)



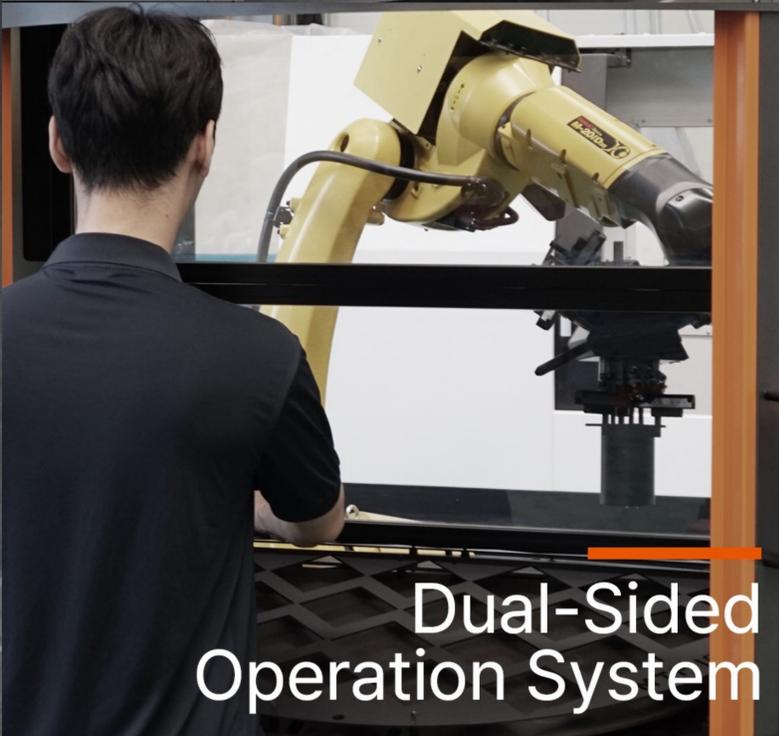
Robot Hand with Measurement Function

- Integrated air blower for cleaning.
- Spring-loaded pusher ensures better work piece contact.
- Stroke adjustments easily visible with scale markings.



Split-Turntable Loading System

- Applied with 6 types of pallets.
- Honeycomb-style pallets increase storage volume by 30%.
- Semi-circular turntable design enables fast and efficient part handling.



Dual-Sided Operation System

- Semi-circular rotary table enables simultaneous loading and unloading
- Bi-directional design allows operator and robot to work in parallel
- Turntable system minimizes setup and changeover time, allowing quick transitions in less than 10 minutes.

Safety Choice

** Choose one according to your site requirements.*



Perimeter Safety Fence System

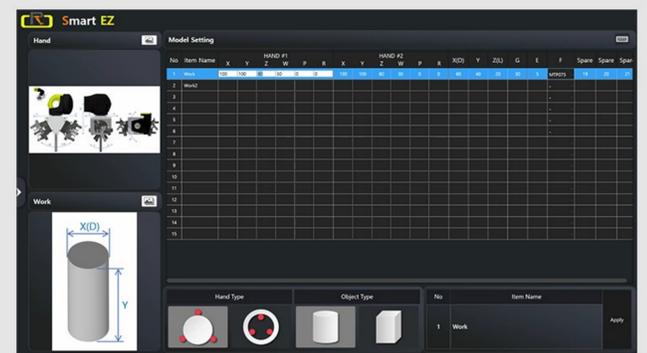
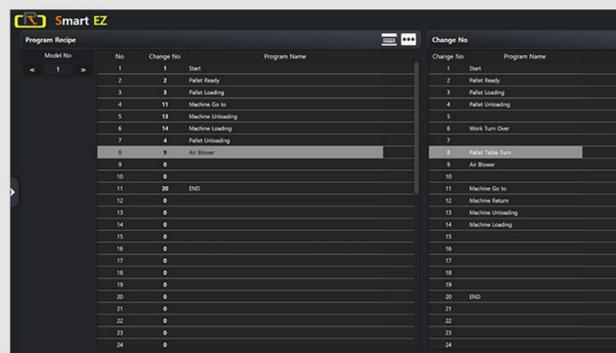
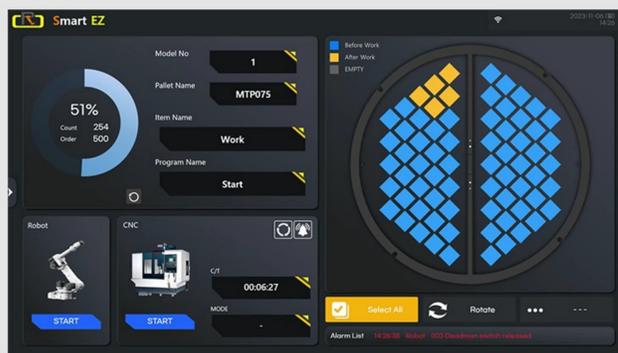
- Surrounds the work area with a durable safety fence to eliminate potential hazards.
- Maintains a controlled environment, ensuring maximum operator protection.



Bottom Motion Sensor

- Equipped with a Safety Laser Scanner for automatic detection of hazardous zones and securing a safety distance.
- Multi-step speed control (deceleration at steps 1 & 2, full stop at step 3) enhances operator safety.

SMART EZ



- Intuitive drag-and-drop interface designed for effortless use even by first-time users
- Fast and simple machine-to-robot connection and setup in just few simple steps
- Smart, User-friendly robot programming tools that require no prior coding experience
- Automatically generates optimized robot paths with minimal teaching time

Application Solution

Labot Series

Application Robot

Universal Robot

Hyundai Robot

Fanuc Robot

Focas (Fanuc CNC)

Machine Interface

EtherNet/IP, Profibus-DP

OS

Digital I/O

Windows

Touch PC

Standard (21" PC)