

WORLD TECHNOLOGY
GLOBAL LEADER

Labot SD

Efficiency and Safety All in One



 **Youngchang Robotech**

+82-55-723-3570 | labot@ycrobotech.com
96, Golden root-ro 129 beon-gil, Juchon-myeon,
Gimhae-si, Gyeongsangnam-do, 50969 Republic of Korea



labot.youngchang.co.kr

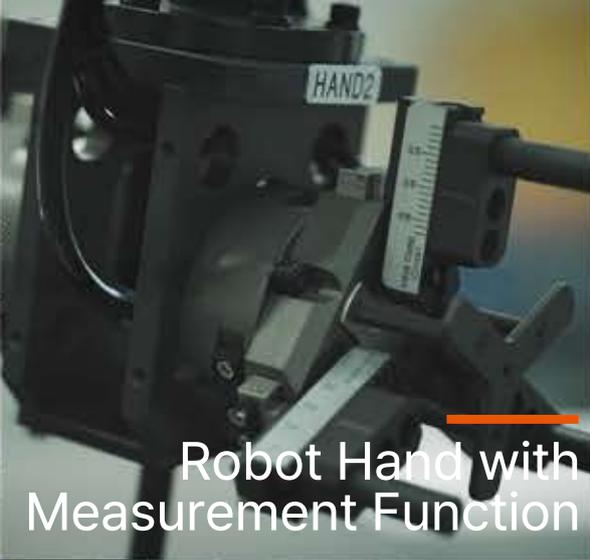




You don't need more. You need Labot.

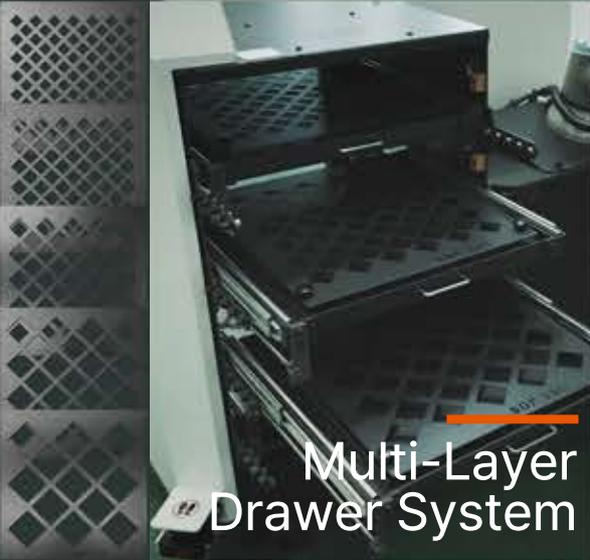


Control Software		Smart EZ
Number of Drawer		4
Power Supply (KVA)		3kVA
Pneumatic Pressure (bar)		5bar
Robot (Standard)		(Universal Robot) UR10e (12.5kg Payload)
Robot Hand (Standard)		Dual 3-Jaw gripper (4.3kg)
Robot Hand Gripper Control		Pneumatic
Workpiece Diameter (min/max)		24mm - 100mm
Workpiece Length (min/max)		10mm - 120mm
Workpiece capacity - Drawer (max)		70kg
	ø30mm (pieces)	85 / 340
	ø40mm (pieces)	61 / 244
Pallet Capacity (Per drawer / Total)	ø50mm (pieces)	41 / 164
	ø75mm (pieces)	25 / 100
	ø100mm (pieces)	14 / 56
Safety	Laser Scanner Sensor	Standard
	Safety Fence	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.



Multi-Layer Drawer System

- Applied with 5 types of pallets.
- Honeycomb-style pallets increase storage volume by 30%.
- 4-level stacking for ample storage capacity.



Dual-Sided Operation System

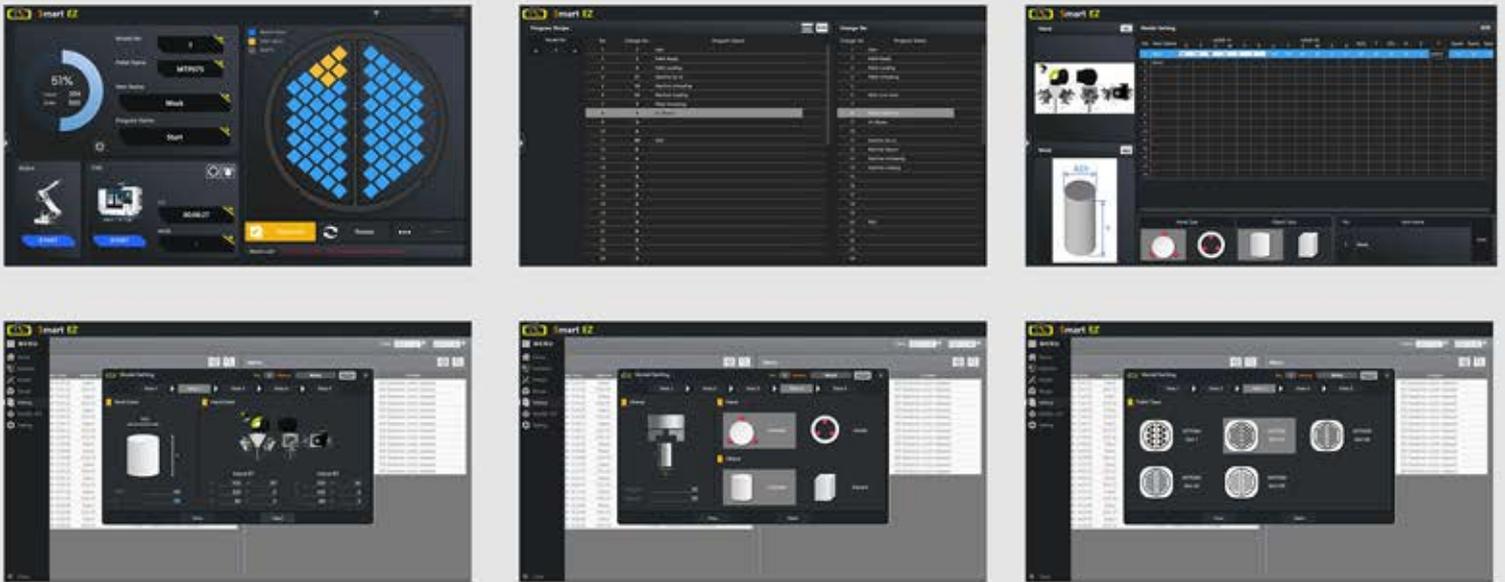
- Separate movement paths for operation and robot.
- Bi-directional drawers allow simultaneous work.



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 MT, Labot SD
Application Robot	Universal Robot Hyundai Robot Fanuc Robot Focas (Fanuc CNC)
Machine Interface	EtherNet/IP Digital I/O
OS	Windows10, Windows11
Touch PC	Standard