WORLD TECHNOLOGY
GLOBAL LEADER

Labot SD

Efficiency and Safety All in One

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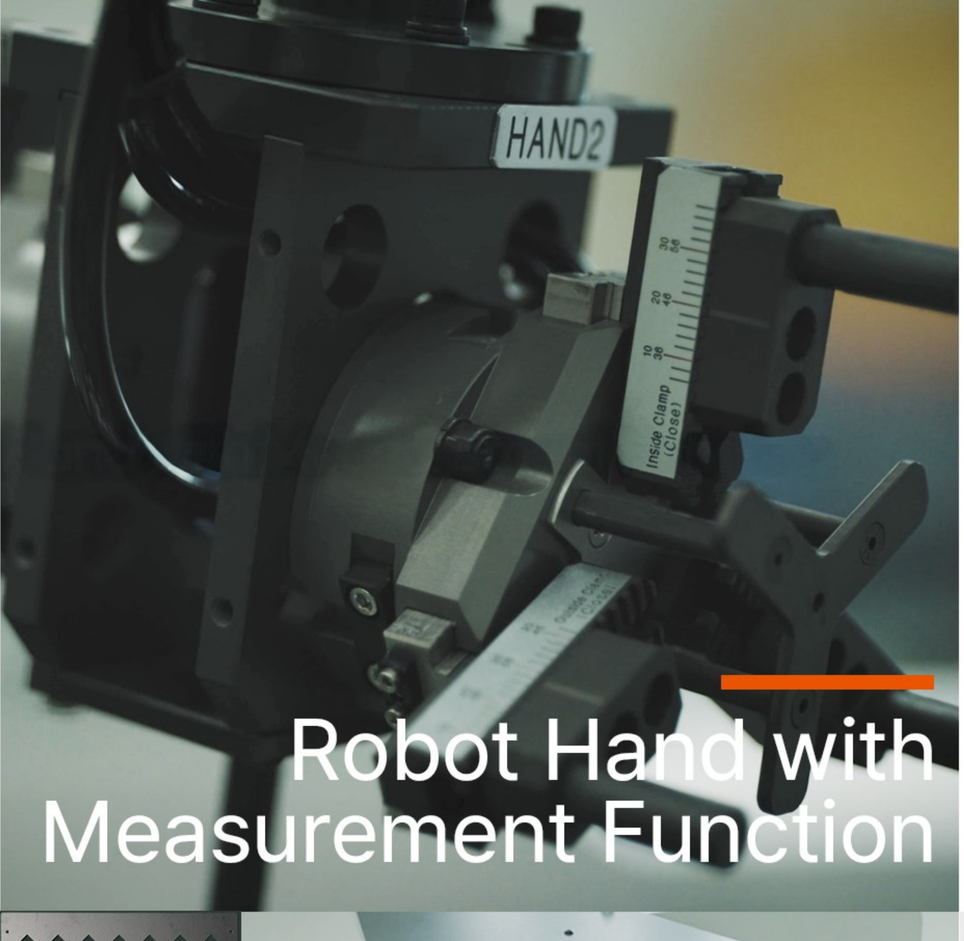
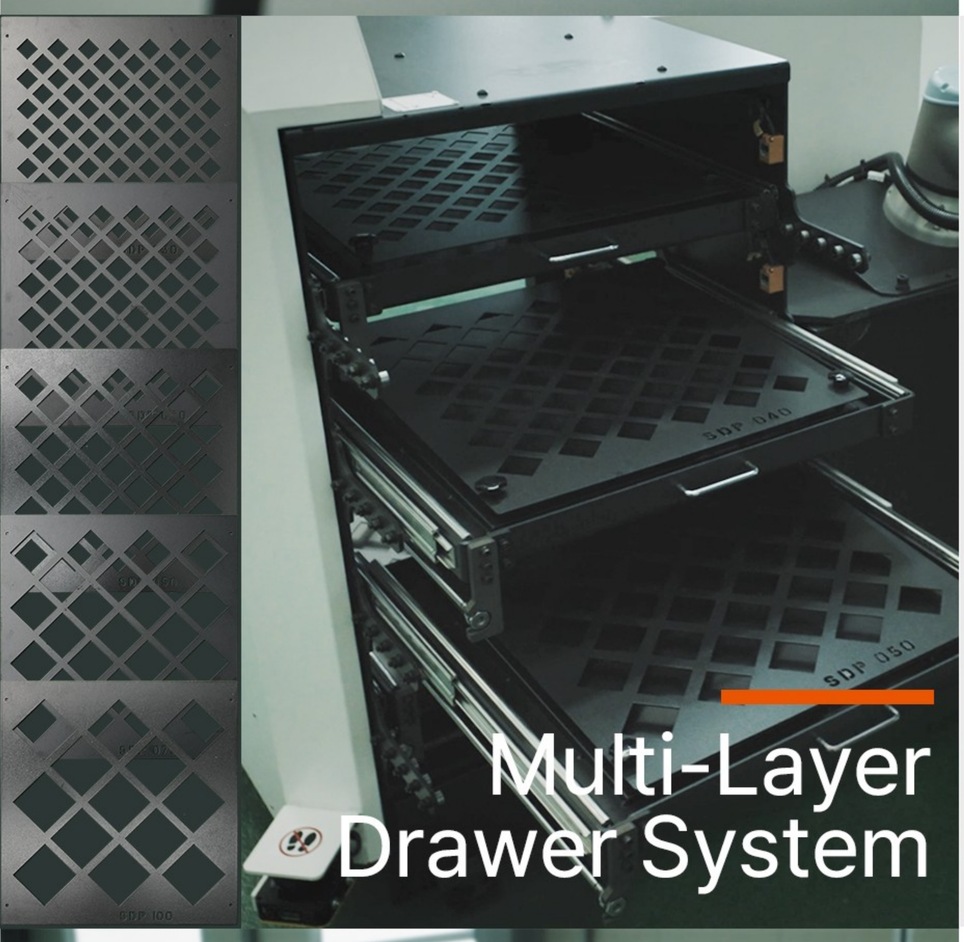
Dimensions (LxWxH) / Weight		1422x1400x1950 mm (56.0"x55.1"x76.8") / 680kg (1,499lb)
Control Software		Smart EZ
Number of Drawer		4
Power Supply		3kVA
Pneumatic Pressure		5bar (73.5psi)
Robot	**Fanuc Robot**	UR10e (12.5kg/27.5lb Payload)
Robot Hand (Standard)		Dual 3-Jaw gripper (4.3kg/9.48lb)
Robot Hand Gripper Control		Pneumatic
Workpiece Diameter (min/max)		24mm - 100mm (0.94" - 3.93")
Workpiece Length (min/max)		10mm - 120mm (0.39" - 4.72")
Workpiece capacity - Drawer (max)		70kg (154.3lb)
Pallet Capacity (pieces) (Per drawer / Total)	**ø30mm (1.18")**	85 / 340
	ø40mm (1.57")	61 / 244
	ø50mm (1.96")	41 / 164
	ø75mm (2.95")	25 / 100
	ø100mm (3.93")	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

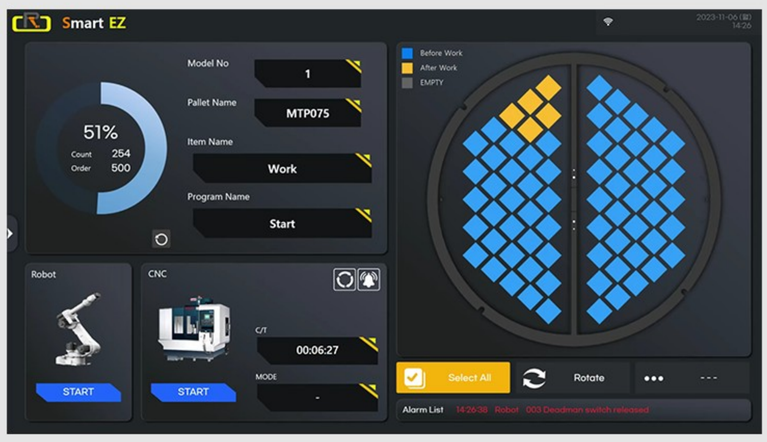
- Seperate movement paths for operation and robot.
- Bi-directional drawers allow simultaneous work.

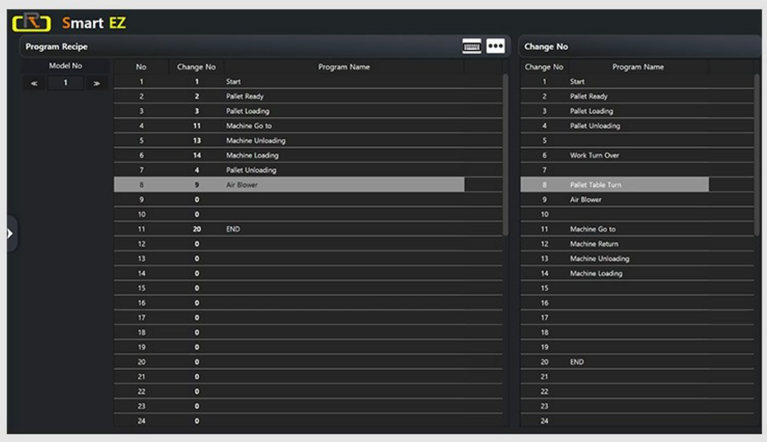


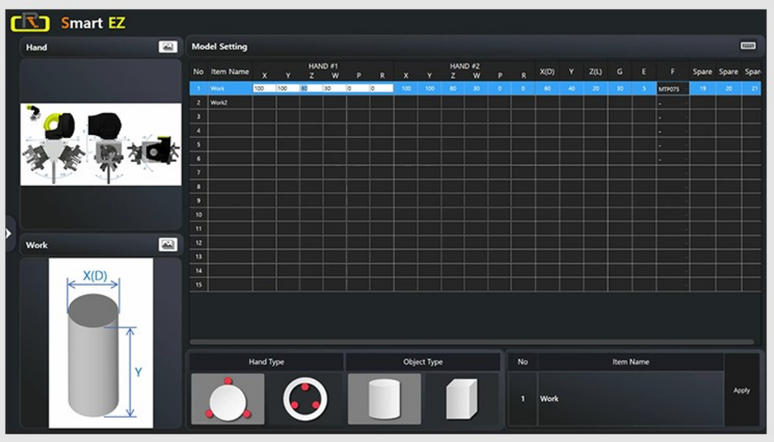
Bottom Motion Sensor

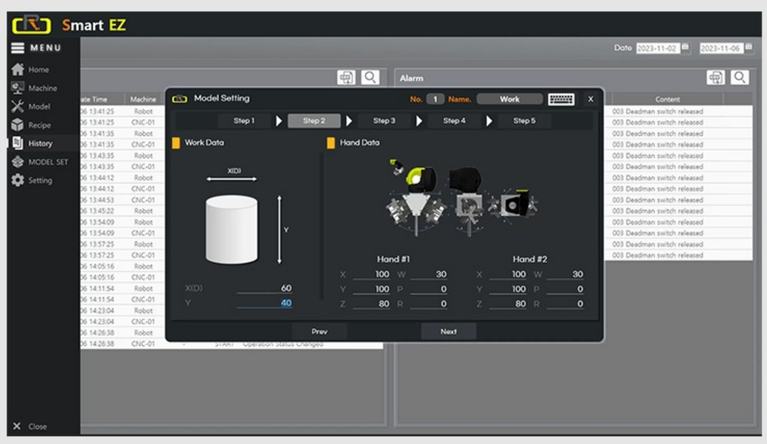
- Equipped with a Safety Laser Scanner for automatic detection of hazardous zones and securing a safety distance.
- Multi-step speed control (deceleration at steps 1 & 2, full stop at step 3) enhances operator safety.

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 Series
Application Robot	Universal Robot
Machine Interface	Focas (Fanuc CNC)
	EtheNet/IP, Profibus-DP
	Digital I/O
OS	Windows
Touch PC	Standard (15" PC)

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