

GLOBAL PRESENCE



digi BOXY Series

Machine Tending Automation Solutions for

YOUR PARTNER IN
PROGRESS

Corporate Office

Cosmos House, Plot No. 85/2, Padra Road, Atladara, Vadodara, Gujarat - 390 012

Manufacturing Facilities

Techpark

Cosmos Impex India Pvt. Ltd., Plot No. 847, 848 Village Ranu, Ta. Padra, Vadodara, Gujarat - 391 445

Heavy Machine

Plot No. 68-B, Sigil Compound, Padra Road, Atladara, Vadodara, Gujarat - 390 012

☎ +91 6358867045 ✉ iot.bd@cosmos.in 🌐 www.cosmos-automation.com

For PAN India Sales and Services Support

☎ +91-966 2044 983

Pune, Kolhapur, Belgaum and Aurangabad

☎ +91 98509 89476

Delhi & NCR, Noida, Ghaziabad, Gurgaon, Bhiwadi, and Faridabad

☎ +91 93500 50200

Ludhiana

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Bangalore and Hyderabad

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☎ +91 75740 21485

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Ahmedabad

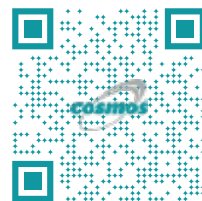
☎ +91 70437 35005

Rajkot and Saurashtra

☎ +91 99740 61567

Mumbai, Nashik and South Gujarat

☎ +91 70308 77977



Roborator V1 / Roborator V2 / Roborator V5 / AVNI

Roborator

Instead of Operator

The Cosmos digiBOXY is designed for high-speed robotic loading and unloading of CNC machine tools, offering the most effective solution for your machine's loading and unloading operations and standing out with its superior price-performance ratio.

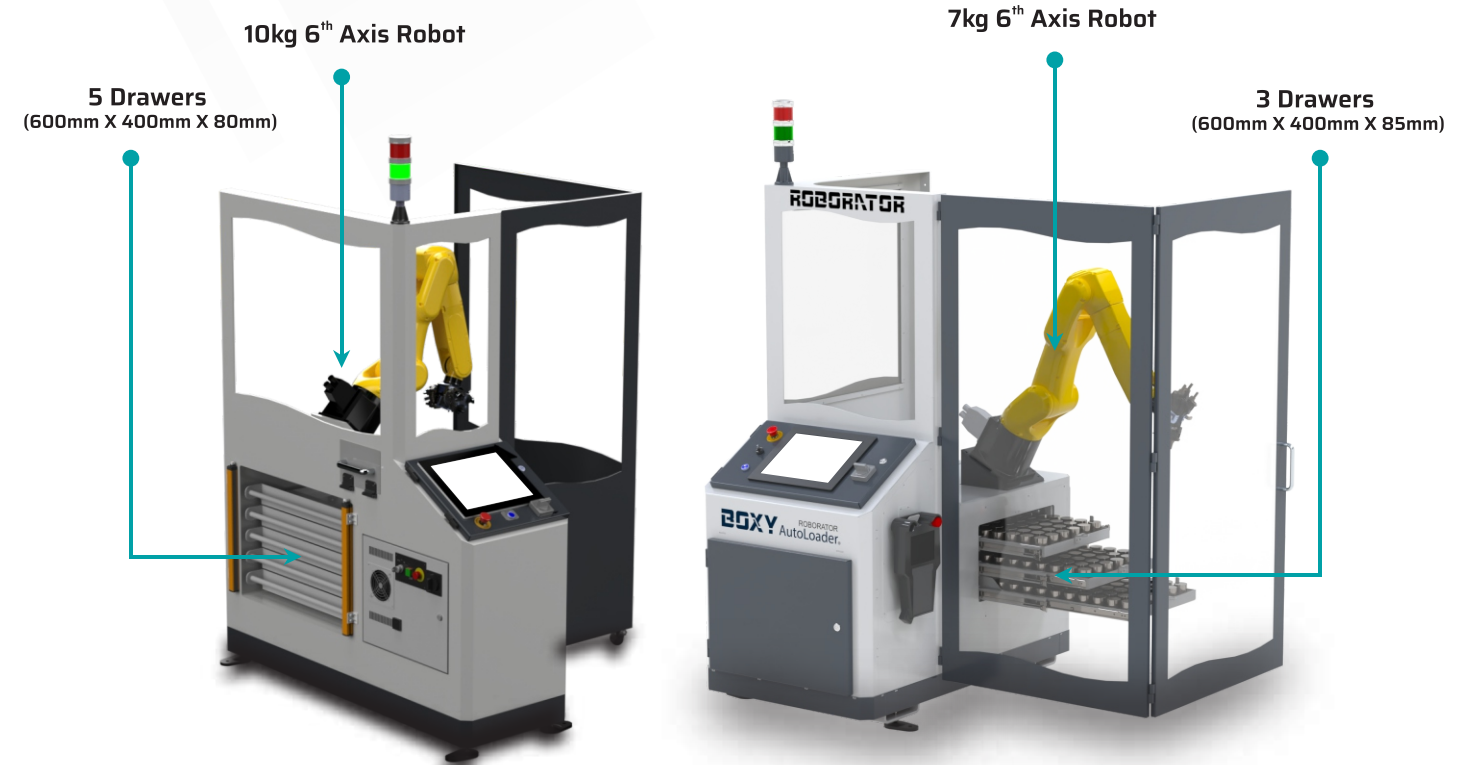
The digiBOXY comes with 6-axis robot options of 7 kg, 10 kg, 12 kg, 25 kg, and 35 kg, capable of performing loading and unloading operations for small and medium-sized, heavy and large-sized workpieces, without any issues for single machines.

Each model features a robust drawer system designed to stock heavy items effortlessly. The drawers, available in various configurations, can support up to 50kg per drawer, ensuring reliable and efficient operation across all models.



➤ Roborator V1:

Available with 7 kg and 10 kg robot options, it comes in 3-drawer and 5-drawer configurations. Each drawer measures 600x400 mm, with a maximum part height of 85 mm for the 3-drawer configuration and 80 mm for the 5-drawer configuration.



ROBORATOR V1_5
5 Drawers

ROBORATOR V1_3
3 Drawers

Specifications

- FANUC 10kg Robot OR 7kg Robot
- 5 Drawers (600mm X 400mm X 80mm) OR 3 Drawers (600mm X 400mm X 85mm)
- EasySoft Software Package (SOFTBOXY)
 - Interactive Auto Calibration Package by Touch Probe
 - Interactive Quick Programming
- Touch Screen PC
- SPC Station
- CE Regulation

➤ **Roborator V2:**

Features a 12 kg robot with drawers measuring 600x400 mm, supporting a maximum part height of 100 mm.



ROBORATOR V2
5 Drawers

➤ **Roborator V5:**

Equipped with a 6-axis, 10 kg robot and an additional 7th-axis drive system, it includes 15 drawers measuring 800x600 mm, with a maximum part height of 100 mm.



ROBORATOR V5
15 Drawers

Specifications

- FANUC 12kg 6th Axis Robot
- 5 Drawers (800mm X 600mm X 100mm)
- EasySoft Software Package (SOFTBOXY)
 - Interactive Auto Calibration Package by Touch Probe
 - Interactive Quick Programming
- Touch Screen PC
- SPC Station
- CE Regulation

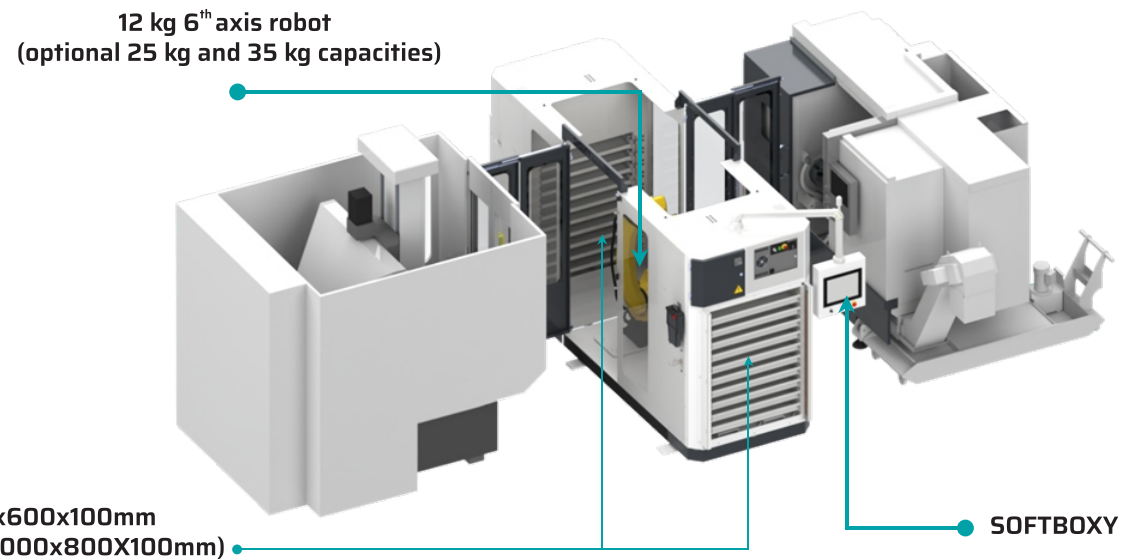
Specifications

- FANUC 10kg 6th Axis Robot
- 15 Drawers (800mm X 600mm X 100mm)
- EasySoft Software Package (SOFTBOXY)
 - Interactive Auto Calibration Package by Touch Probe
 - Interactive Quick Programming
- Touch Screen PC
- SPC Station
- CE Regulation

AVNI

for Two Machine

Meet **AVNI**, which stands out in the digiBOXY family, designed to handle **two machines** with a single robot. It maximizes efficiency, optimizes floor space, and delivers exceptional performance, making it the perfect choice for high-capacity operations. Meet AVNI, which stands out in the digiBOXY family, designed to handle two machines with a single robot. It maximizes efficiency, optimizes floor space, and delivers exceptional performance, making it the perfect choice for high-capacity operations.



Specifications

- FANUC 12kg 6th Axis Robot
- 10 Drawers & 20 Drawers (800mm X 600mmX100 / 1000mm X 800mmX100) 150 kg
- Payload / Drawer
- EasySoft Software Package (SOFTBOXY)
 - Interactive Auto Calibration Package by Touch Probe
 - Interactive Quick Programming
- Touch Screen PC
- SPC Station
- CE Regulation

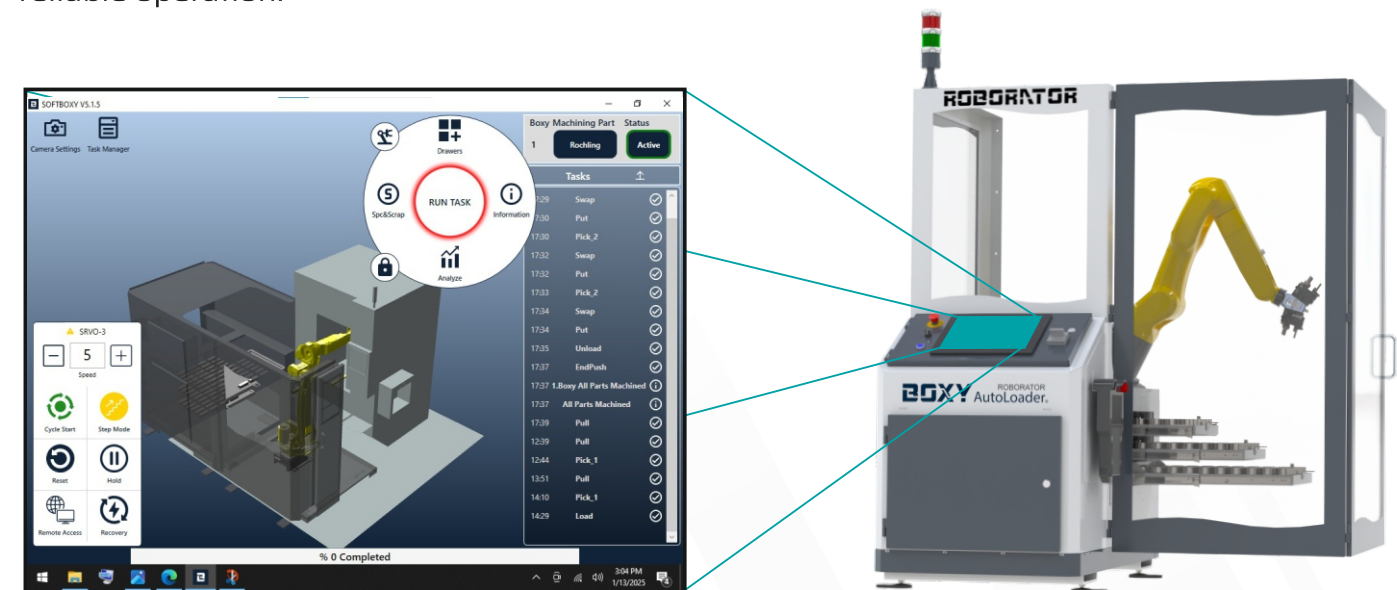
Roborator

Instead of Operator

Included with every **digiBOXY** model, **SoftBOXY** is the intelligent automation software that simplifies operations and ensures precision. With integrated **AutoTeach** facility, it streamlines calibration, task management, and part transitions for a seamless user experience.

➤ Key Features:

- **No Programming Required:** A simple, user-friendly interface makes setup and operation effortless, even for untrained operators.
- **Fast and Accurate Calibration:** Integrated AutoTeach uses a touch probe to automatically measure key positions, achieving high precision (up to 0.200 mm tool accuracy and 0.300 mm coordinate accuracy).
- **Quick Part Changeovers:** Easily adapt to new parts by updating grippers, separators, and measuring key points—get back to work in just hours.
- **Smart Task Automation:** Automatically create, execute, and monitor tasks with the built-in task manager. Task logs and error recovery tools ensure uninterrupted operations.
- **3D Visualisation:** Load CAD data (.STL file) for accurate part positioning and seamless robot movements.
- **Collision Avoidance:** Signal-controlled safety features protect components and ensure reliable operation.



SoftBOXY ensures that every digiBOXY model operates efficiently, empowering businesses to automate with ease, precision, and confidence.