

Intelligent robots for scalable automation

From Your Workbench to the Assembly Line

AI-ready robotic arms and automation solutions built for engineers, researchers, and manufacturers. Whether you're prototyping at home or automating a factory, Kikobot delivers open, powerful, and transparent automation.



About Kikobot Robotics Private Limited

Kikobot Robotics Private Limited, headquartered in Pune, Maharashtra, has been actively working since 2024 in the field of robotics and automation. We specialize in the design, development, and deployment of simple, smart, and affordable robotic solutions for industrial, educational, and research applications.

Our Mission

To democratize robotics by making intelligent automation accessible, modular, and easy to adopt—empowering industries, and researchers alike.

Our Vision

To be at the forefront of the robotics revolution by enabling seamless integration of robotic systems in everyday applications, industrial processes, educational institutions, and research labs—bridging the gap between concept and execution.

Kikobot Robots

Kikobot robots built on an open, modular architecture, every Kikobot system is designed for seamless integration, rapid deployment, and long-term reliability. With native Python and ROS support, flexible I/O, and compact designs, Kikobot robots scale effortlessly from prototyping to production across research and industrial environments.

Key features

Safe to Work With

Designed and manufactured according to safety standards for robotics and electronics. An optional touch-sensing feature further enhances human-robot collaboration.

Easy to Learn

One-handed hand-guiding and drag-to-teach programming make operation simple, with no coding required.

Easy Programming

Modern, user-friendly UI for laptops and tablets ensures easy setup and operation. Block-based programming enables quick task teaching, with ROS/Modbus support for advanced integration.

Precise Performance

High repeatability of ± 0.03 mm delivers consistent accuracy for precision-driven applications.

Quick Deployment

Compact design with floor-mounting and plug-and-play setup reduces installation time.

Flexible Integration

Easily integrates with grippers, suction cups, and custom end-effectors for a wide range of tasks.

Applications

Assembly & Handling

Automates repetitive tasks like screw fastening, part assembly, and component handling with precision.

Packaging & Logistics

Ideal for pick-and-place, box loading, palletizing, and material transfer in warehouses and production lines.

Inspection & Testing

Performs consistent quality checks, vision-based inspections, and lab automation with high repeatability.

Machine Tending

Handles CNCs, 3D printers, and other machines by loading/unloading parts for continuous operation.

Electronics & Consumer Goods

Supports delicate handling, soldering, and assembly in electronics and consumer product manufacturing

Research & Education

Serves as a versatile platform for robotics research, training, and academic projects.

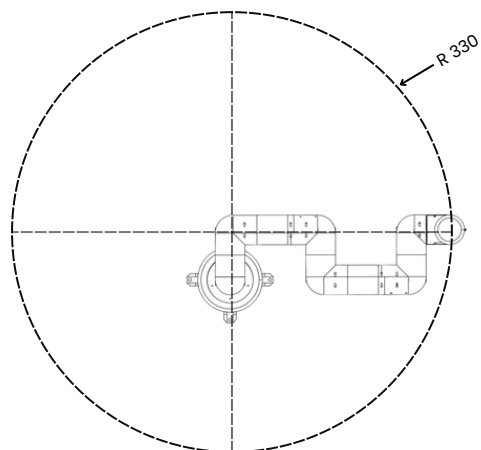
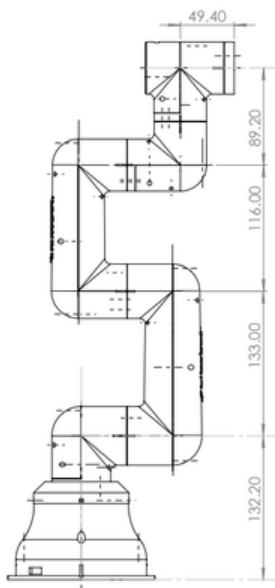


Kikobot C1

The Kikobot C1 is a modular 6-DOF desktop collaborative robot engineered for prototyping, experimentation, and custom automation. It features an open mechanical architecture with multiple controller options, enabling low-level motor control, real-time motion execution, and native ROS 2 integration. Designed for flexibility and extensibility, C1 supports custom end-effectors, kinematic experimentation, and vision-enabled workflows within a compact desktop footprint.

Specifications

Parameter		Value
Weight		950 gm
DOF		6
Max Payload		250 gm
Max Working Radius		330 mm
Repeatability		±1.0 mm
Joint working limits	J1	-165° ~ +165 °
	J2	-125° ~ +125 °
	J3	-140° ~ +140°
	J4	-140° ~ +140°
	J5	-140° ~ +140°
	J6	-175° ~ +175°
Maximum joint speed		150°/s
Power input		100V – 240V AC, 50/60 Hz
Nominal voltage		12V DC, 10A
Nominal power		120W
Communication Method		Serial USB TYPE C
Control software		Kikobot C1 Studio
Supported End Effectors		1. Parallel Gripper 2. Vaccum Gripper 3. Electromagnetic Gripper
Working Temperature		0°C – 50°C
Indoor/Outdoor Use		Indoor
Installation method		Floor mounting
Base dimensions		110*110*93 mm
Material		PLA/ABS



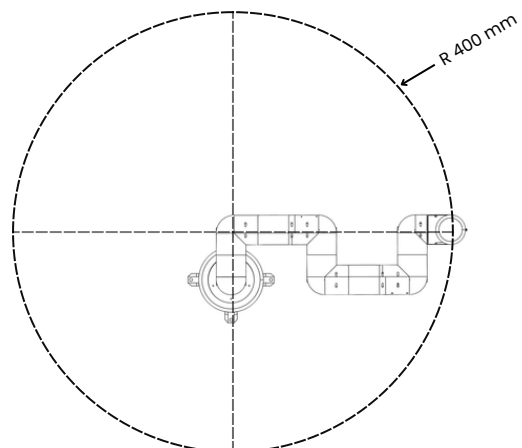
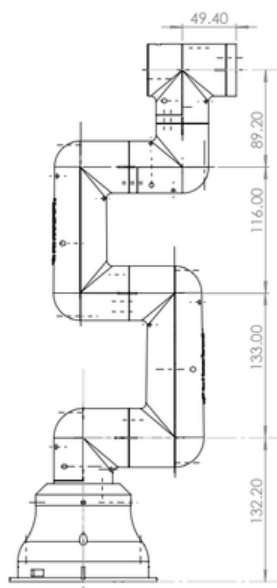


Kikobot C2

The Kikobot C2 is a compact six-axis desktop collaborative robot designed for repeatable automation tasks and small-scale deployments. It features a rigid mechanical structure, higher payload capacity, and extended working reach compared to entry-level desktop arms, enabling stable motion for pick-and-place, inspection, and handling applications. With support for ROS, Python, and embedded programming, along with compatibility for standard end-of-arm tooling, C2 provides a flexible platform for developing and deploying automation workflows in lab, pilot-line, and commercial environments.

Specifications

Parameter		Value
Weight		1.5 kg
DOF		6
Max Payload		700 gm
Max Working Radius		400 mm
Repeatability		±1.0 mm
Joint working limits	J1	-165° ~ +165 °
	J2	-125° ~ +125 °
	J3	-140° ~ +140°
	J4	-140° ~ +140°
	J5	-140° ~ +140°
	J6	-175° ~ +175°
Maximum joint speed		180°/s
Power input		100V – 240V AC, 50/60 Hz
Nominal voltage		24V DC, 10A
Nominal power		120W
Communication Method		Serial USB TYPE C
Control software		Kikobot C2 Studio
Supported End Effectors		1. Parallel Gripper 2. Vaccume Gripper 3. Electromagnetic Gripper
Working Temperature		0°C – 50°C
Indoor/Outdoor Use		Indoor
Installation method		Floor mounting
Base dimensions		110*110*93 mm





Kikobot D1

The Kikobot D1 is a compact delta robot designed for high-speed and precise motion in small-scale automation tasks. With a parallel kinematic structure and a payload capacity of up to 250 g, it is optimized for applications such as pick-and-place, light assembly, and rapid object handling. The delta architecture enables fast acceleration and accurate positioning, making D1 well suited for environments where cycle time and repeatability are critical.

Designed as a flexible development platform, Kikobot D1 supports multiple controller options and allows easy integration of different end-of-arm tools. With support for ROS, Python, and embedded programming, the D1 enables customization, algorithm development, and vision-enabled workflows within a compact desktop footprint.

Specifications

Parameter	Value
Weight	900 gm
DOF	3
Max Payload	250 gm
Max Working Space	D=400mm, H=150mm
Repeatability	±0.5mm
Maximum joint speed	150°/s
Power input	100V – 240V AC, 50/60 Hz
Nominal voltage	12V DC, 10A
Nominal power	120W
Communication Method	Serial USB TYPE C
Control software	Kikobot DI Studio
Supported End Effectors	1. Parallel Gripper 2. Vaccum Gripper 3. Electromagnetic Gripper 4. Soft Gripper 5. Pen Holder 6. Touch Pen
Working Temperature	0°C – 50°C
Indoor/Outdoor Use	Indoor
Installation method	overhead mounting
Material	Body -MS & Aluminium Arms - Carbon Fibre





Kikobot DI1000

The Kikobot DI1000 is a high-speed industrial delta robot designed for precision-driven automation in dynamic production environments. Built with a lightweight parallel kinematic structure, it enables rapid acceleration, smooth motion, and consistent repeatability, making it ideal for applications that demand both speed and accuracy.

Engineered for flexibility, the DI1000 supports integration with a wide range of end-effectors, vision systems, and control platforms. Its compact footprint and modular design allow easy deployment across industries, from small-scale setups to high-throughput production lines.

The robot is well-suited for continuous operation and can be integrated into existing workflows with minimal setup time. With support for modern control systems and automation frameworks, it serves as a reliable platform for both standalone applications and fully automated production cells.

Key Applications:

- High-speed pick and place operations
 - Waste segregation and sorting systems
 - Packaging and material handling
 - Food and consumer goods handling
 - Light assembly and component placement
 - Vision-based inspection and sorting
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Specifications

Parameter	Value
Weight	20 kg
DOF	3
Max Payload	2 Kg
Max Working Space	D=1000mm, H=350mm
Repeatability	±1 mm
Maximum CPM Tested	70 CPM
Power input	100V – 240V AC, 50/60 Hz
Communication Method	EatherCAT
Control software	Kikobot DI1000 Studio
Supported End Effectors	1. Parallel Gripper 2. Vaccum Gripper 3. Electromagnetic Gripper 4. Soft Gripper
Working Temperature	0°C – 80°C
Indoor/Outdoor Use	Indoor
Installation method	overhead mounting
Material	Body -MS & Aluminium Arms - Carbon Fibre





Kikobot CI Series

The Kikobot CI Series is a collaborative robotic system consisting of a robot arm, integrated controller, and a user-friendly operation interface, designed for safe and efficient human-robot collaboration. Both CI3 and CI5 models incorporate built-in safety features such as collision detection and dynamic motion control, enabling secure operation in shared workspaces. The system supports one-handed teach-in and drag-to-teach functionality, allowing users to guide the robot manually without complex programming.

Designed to balance ease of use with high-performance motion capability, the CI Series offers high-speed connectivity, smooth trajectory control, and precise repeatability.

Specifications

Parameter		Kikobot CI3	Kikobot CI5
Degrees of Freedom (DOF)		6	6
Payload		3 kg	5kg
Reach		600 mm	860 mm
Repeatability		±0.03 mm	±0.03 mm
Linear Velocity (m/s)		2.5 m/s	2.5 m/s
Robot Weight		14 kg	24 kg
Range of Motion	J1	±360°	±360°
	J2	±360°	±360°
	J3	±360°	±360°
	J4	±360°	±360°
	J5	±360°	±360°
	J6	±360°	±360°
Maximum Joint Speed	J1	160° /s	160° /s
	J2	160° /s	160° /s
	J3	180° /s	180° /s
	J4	180° /s	180° /s
	J5	180° /s	180° /s
	J6	180° /s	180° /s
Communication Interface		Ethernet/Modbus	Ethernet/Modbus
End Effector I/O		DI,DO,AI,AO/RS485	DI,DO,AI,AO/RS485
Power supply		100V – 240V AC, 50/60 Hz	100V – 240V AC, 50/60 Hz
Rated Voltage		48V DC	48V DC
Avg Power Consumption		200 W	250 W
Max Power Consumption		1000 W	1500W
Operating Temperature		0–60°C	0–60°C
Installation method		Floor mounting	Floor mounting
Materials		Aluminium,ABS	Aluminium,ABS

Mechanical Specifications

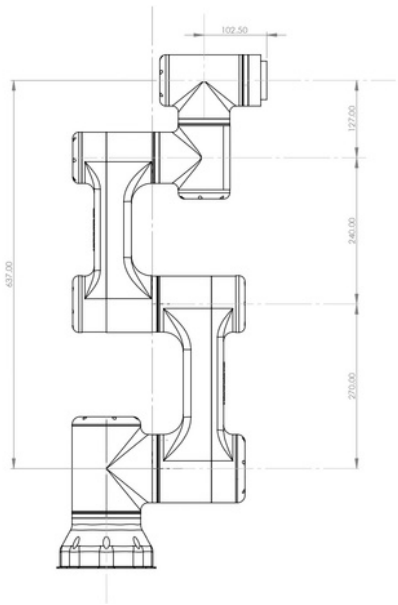


Fig 1. Kikobot CI3 Dimensions

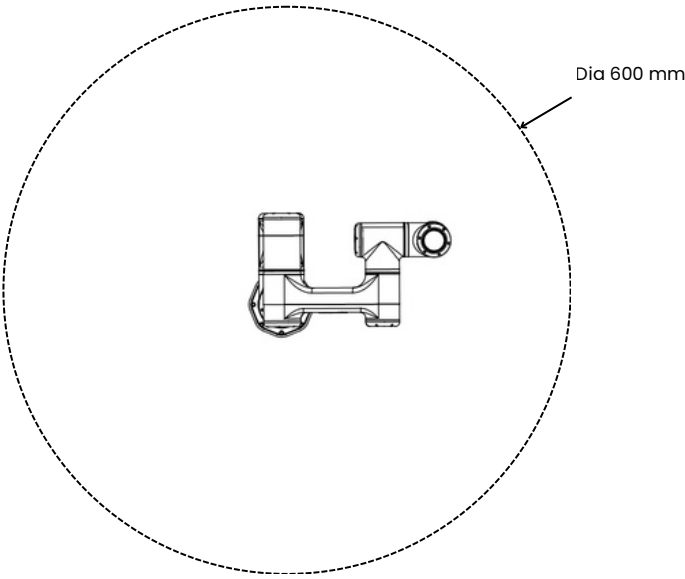


Fig 2. Kikobot CI3 Workspace

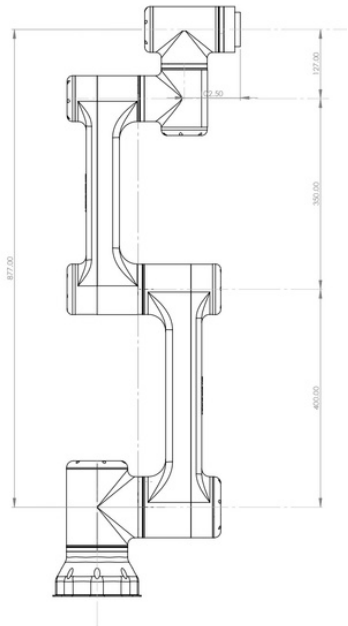


Fig 3. Kikobot CI5 Dimensions

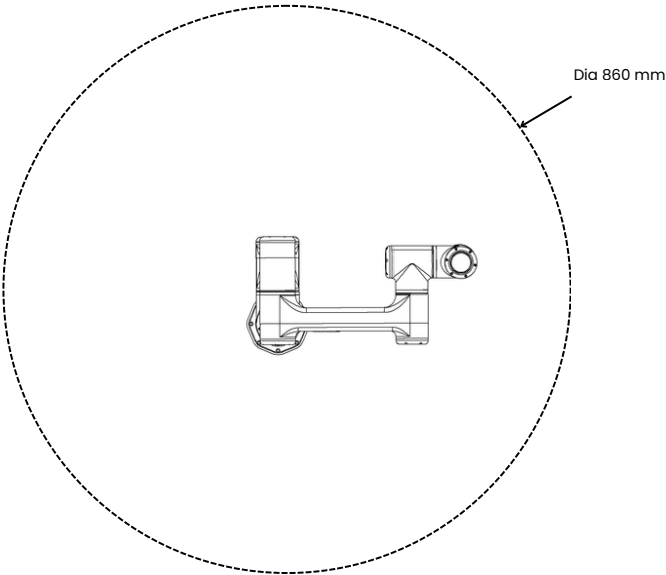


Fig 4. Kikobot CI5 Workspace