

R-2000iB™ Series

Basic Description

The R-2000iB-series is FANUC Robotics' latest-generation, six-axis, heavy payload, high-performance family of industrial robots. The R-2000iB provides higher rates through industry-leading performance, reliability and maintainability, and is supported by our extensive service and parts network.

R-2000iB Series, the Solution for:

- Automotive spot welding and general assembly
- General industrial applications
- Material handling
- Part transfer
- Material removal
- Drilling
- Machine loading

Benefits

- One arm and wrist assemblies minimize interference with system peripherals and allow operation in confined spaces.
- Large allowable wrist moments and inertias meet a variety of heavy handling challenges.
- Many process attachment points make integration easier.
- Non-rotating forearm simplifies hose and cable dress-out to prolong service life.
- Proven, reliable FANUC servo drives provide highest uptime and productivity.
- Longer maintenance intervals equate to lower operating costs.
- Fewer mechanical components reduce drive time, increase mean time between failure (MTBF) and minimize spare part requirements.
- High-performance motion yields fast cycle times and high throughput.
- Wrist design and base mounting are identical to the R-2000iA, allowing for seamless customer compatibility.
- R-2000iB can reach all areas of R-2000iA work envelope for easy replacement.

Note: iPPAC™ and FoundryPPAC™ are registered trademarks of FANUC LTD.



Features

Mechanical

- Large work envelope with ability to reach overhead and behind.
- 6 axes of motion.
- Slim-profile design.
- PM reducers on all axes.
- Lack of counterweight increases available workspace.
- Process attachment cables routed through the arm.
- Piv-motors at wrist.
- Standard J1 adjustable hand stop.
- IP67 rated wrist/forearm.

Control

- 30% average faster TTP and PAMP™ execution speed over previous generation.
- Up to 24 axes on main servo card plus 10 axes on mini-slot card for 40 axes maximum.
- Quick change amplifier <5 minutes.
- Fast load time <30 seconds.
- True Ethernet ports standard.
- USB interface on panel and PC/MCA slot internal.
- Easy connections to a variety of I/O, including a number of distributed I/O networks.
- iPanel™, a color, internet-ready touch pendant for even easier programming and system set-up interface design.
- Built-in support for machine vision applications for error proofing and robot guidance, without the need for a PC.

Options

- Process specific software packages for various applications.
- Web-based software tools for remote connectivity, diagnostics and production monitoring.
- FANUC's iMotion™ (Integrated Robot Vision) system delivers high performance 2-D and 3-D machine vision capabilities with FANUC reliability. Additional option for Error Proofing can provide integrated vision based capabilities to check for product compliance before product is packaged or further operations are performed.
- Foundry PPO™ protection package and two-part epoxy paint for foundry and harsh environments.
- Standard baseplate for quick robot installation.
- Auxiliary axes packages for integration of peripheral servo-controlled devices and robot track units.
- Adjustable hand stops for J1, J2 and J3.
- Various robot connection cable lengths for flexible customer placement and optional track rated cables.
- Pendant with touch screen for custom HMI applications.
- Monochrome touch pendant.
- Integrated spot welding utilities.
- Electrically insulated receptacle.

FANUC
Robotics

Fanuc Robot User Guide

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Fanuc Robot User Guide:

The Top Books of the Year Fanuc Robot User Guide The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have captivated audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This poignant tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Fanuc Robot User Guide : Delia Owens "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, entrancing readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and gripping novel that will keep you speculating until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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