

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 Welding Robot Programming Manual

Xiaolong Qi



Fanuc Welding Robot Programming Manual:

Whispering the Techniques of Language: An Psychological Journey through **Fanuc Welding Robot Programming Manual**

In a digitally-driven world where screens reign supreme and immediate communication drowns out the subtleties of language, the profound strategies and mental nuances concealed within phrases usually go unheard. However, set within the pages of **Fanuc Welding Robot Programming Manual** a interesting fictional value blinking with fresh thoughts, lies a fantastic journey waiting to be undertaken. Penned by a talented wordsmith, this wonderful opus attracts visitors on an introspective trip, softly unraveling the veiled truths and profound influence resonating within the very cloth of every word. Within the psychological depths of the emotional review, we shall embark upon a heartfelt exploration of the book is core styles, dissect its fascinating publishing style, and yield to the powerful resonance it evokes serious within the recesses of readers hearts.

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Table of Contents Fanuc Welding Robot Programming Manual

1. Understanding the eBook Fanuc Welding Robot Programming Manual
 - The Rise of Digital Reading Fanuc Welding Robot Programming Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Fanuc Welding Robot Programming Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Fanuc Welding Robot Programming Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Fanuc Welding Robot Programming Manual
 - Personalized Recommendations

- Fanuc Welding Robot Programming Manual User Reviews and Ratings
- Fanuc Welding Robot Programming Manual and Bestseller Lists
- 5. Accessing Fanuc Welding Robot Programming Manual Free and Paid eBooks
 - Fanuc Welding Robot Programming Manual Public Domain eBooks
 - Fanuc Welding Robot Programming Manual eBook Subscription Services
 - Fanuc Welding Robot Programming Manual Budget-Friendly Options
- 6. Navigating Fanuc Welding Robot Programming Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Fanuc Welding Robot Programming Manual Compatibility with Devices
 - Fanuc Welding Robot Programming Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Fanuc Welding Robot Programming Manual
 - Highlighting and Note-Taking Fanuc Welding Robot Programming Manual
 - Interactive Elements Fanuc Welding Robot Programming Manual
- 8. Staying Engaged with Fanuc Welding Robot Programming Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Fanuc Welding Robot Programming Manual
- 9. Balancing eBooks and Physical Books Fanuc Welding Robot Programming Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Fanuc Welding Robot Programming Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Fanuc Welding Robot Programming Manual
 - Setting Reading Goals Fanuc Welding Robot Programming Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Fanuc Welding Robot Programming Manual
 - Fact-Checking eBook Content of Fanuc Welding Robot Programming Manual

- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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