Features

The new FANUC SYSTEM R-30iB controller: Energy efficient, compact and equipped with the new 4D graphic Pendant - for increased user-friendliness, minimum energy consumption, and maximum productivity.

- Ultra compact, stackable cabinet reduces floorspace and saves energy
- New lightweight, 4D Graphic Pendant offers unprecedented ease of use
- Energy saving design minimizes power consumption and energy costs, and allows an optional Power Regeneration Module
- High-speed precision motion control of 72 axes including up to four robots
- Learning Gakushu Robot option provides smooth motion while reducing cycle time up to 15%
- Intelligent Interference Check option automatically prevents deadlock conditions between multiple robots, allowing for higher robot density
- Fully integrated iRVision hardware allows easy Error-Proofing, 2D and 3D robot guidance
- Dual Check Safety (DCS) Position and Speed Check provides safety rated speed and position monitoring without additional hardware
- Safety PMC option provides Safety PLC functionality without additional hardware
- Fully supports auxiliary axis controls and Force Sensing
Cabinet Specifications:

A-cabinet

B-cabinet

Operating Environment:
- Ambient temperature:
  - 0-45°C (standard)
  - 0-50°C (standard)
- Humidity: 75% RH or less non-condensing
- Vibration: 0.5G or less

Power Supply:
Three phase 480V, 575V Optional

Communication Ports:
- Two 100 Base-TX/10 Base-T Ethernet ports
- USB port, RS-232

I/O Sub-Systems: Model A (5 or 10 slot modular rack), FANUC I/O Link
Remote I/O: DeviceNet, Profibus DP slave master, Ethernet I/O (EGD and EIP), Interbus (Master & slave), CC-Link (Slave), Profinet, FL-Net

Approvals:
NRTL Approvals:
- UL 1740/R:2010-06
- CAN/CSA Z434-03 (reaffirmed 2008)
- CAN/CSA 22.2 No. 73-83 (reaffirmed 2009)

Functional Safety Approvals:
- 2006/42/EC, EN ISO 10218-1:2011, EN 61508-1:2001,
- EN 61000-6-2:2005, EN 61000-6-4:2007

Safety I/O:
- A-cabinet 2 in/ 2 Out Cat. 4, PL(e), SIL 3 , B-cabinet 8 in/ 8 Out Cat. 4, PL(e), SIL 3 (option)
- Optional Safety I/O expansion boards (8 In/ 8 Out) are also available

Safety Networks:
- EIP Safe, DeviceNet Safe, ProfiSafe, FL-Net Safety

FANUC AMERICA CORPORATION
3900 WEST HAMLIN ROAD
ROCHESTER HILLS MI 48309-3253