

ACE

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C-BOT Freedom Series



FANUC CR7 Collaborative Robot WorkCell The first member of the FREEDOM Series (Freedom from Fencing)

The C-BOT Freedom Series Machine Tending by ACE provides the user "Freedom from Fencing" in a flexible and portable package designed for small part handling. Combining FANUC Force Sensing Technology with the industry's most successful small robot has opened the door for precise machine tending with a collaborative robot. The C-BOT platform is designed to tend any machine. The "C" shaped part presentation shelves can be accessed while the robot is in operation. Castings, pre-cut blanks and pallet mounted workpieces are easily handled. The C-BOT is portable and can be quickly set up where you need it. Contact ACE for more information regarding the C-BOT.

FEATURES

Fenceless operation

Portable - castors with docking hardware

Flexible workpiece presentation

Color Touch Screen Teach Pendant

Simple utilities, 208 volt/1 phase/60 cycle power and 80 psi clean/dry air

7 kg payload robot

Integrated drip pan

BENEFITS

Easy access to your equipment! Freedom to get to where you need within the cell.

Use it where you need it!

Common pallets hold your workpiece.

Quick change locator nests accommodate multiple part sizes.

Finished workpieces instantly accessible.

Simple, easy operation of cell with push buttons and intuitive messaging.

Easy hook-up with readily available utilities.

Handles dual grippers or larger part with single gripper.

Keep your floor clean.

OPTIONS

- Single or dual end of arm tooling
- Part specific gripper fingers
- Part specific fixtures
- Digital I/O, Ethernet IP, ProfiNet, FANUC I/O Link interfaces
- Part cleaning

- Part marking
- 10" color HMI user interface
- 120 volt/1 phase/60 cycle power
- Automatic door
- Automatic tool changer
- Touch sensing auto-callibrate

SPECIFICATIONS

Fenceless Design

Collaborative technology eliminates safety fencing and frees up your floor space.

CR-7iA/L FANUC Robot

Integrated FANUC Force Sensor technology measures real forces in all directions.

911 mm reach, 7 kg payload, .03 mm repeatability.

Cell Control

ACE standard operator panel on Teach Pendant featuring touch screen control for system functions and messaging. Main enclosure includes terminal strips and extra space for interface hardware.



Portable Cell Base

Powder coated steel weldment optimized for strength. Includes notch to permit easy access to machine. Robot controller and control panel mounted beneath. Additional space on tabletop for auxiliary equipment. Includes docking hardware.



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C-Shaped Work Piece Queue with Drip Pan



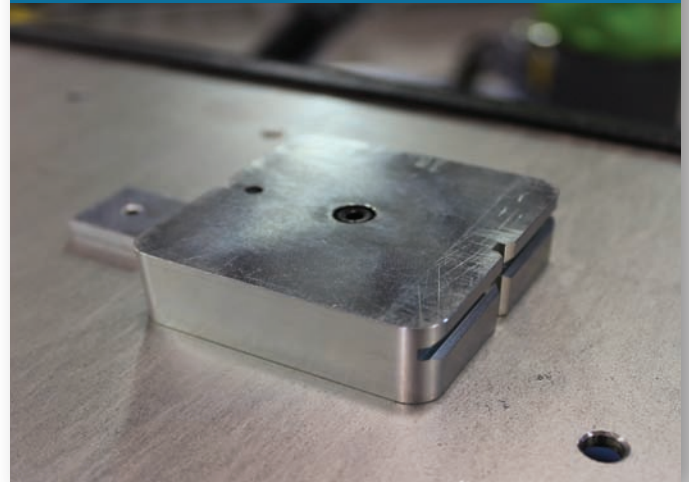
FANUC CR-7iA/L with Force Sensing Technology



End of Arm Tool with Urethane-Over-molded Fingers



Pallet Fixtures or Simple Part Locating Nests



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