

Robotic Deburring Cell

Weldon Solutions has engineered a compact robotic cell to automatically deburr small parts. Compliant tooling, programmable robot path and an ID/OD gripper provide the flexibility to deburr a broad range of part profiles with a single machine.

This Robotic Deburring Cell from Weldon Solutions is optimally designed to create a small footprint on your shop floor, measuring 54" x 54". This self-contained, compact cell can easily be transported to a new location using only a forklift.

The cell is composed of a guided infeed track, a programmable FANUC robot with continuous wrist rotation, a motor driven abrasive deburring wheel mounted on a PushCorp compliant force device, and an outfeed chute. The system features automatic wheel dress at predetermined intervals in the production cycle, and a cycle speed as short as 10 seconds even when deburring multi-featured parts. The cell is surrounded by an electrically interlocked safety enclosure.



The Weldon Robotic Deburring Cell can be fed using a variety of methods including conveyor, gravity track, bowl feeder or pallet. Weldon Solutions can also design and manufacture custom infeed and outfeed equipment for the cell.

Weldon Solutions is an Authorized System Integrator for FANUC Robotics, North America's leading supplier of robotic automation. Weldon is also a FANUC Vision System Integrator, providing the ultimate in automation versatility.

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FANUC
Robotics

We offer a wide range of cost-effective and flexible robotic solutions to meet a variety of industrial automation needs, including:

FANUC
Robotics
Authorized System Integrator

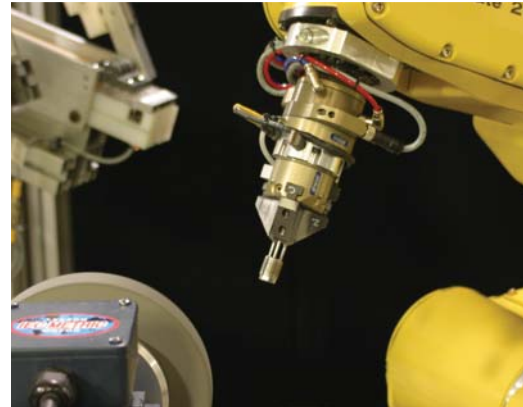
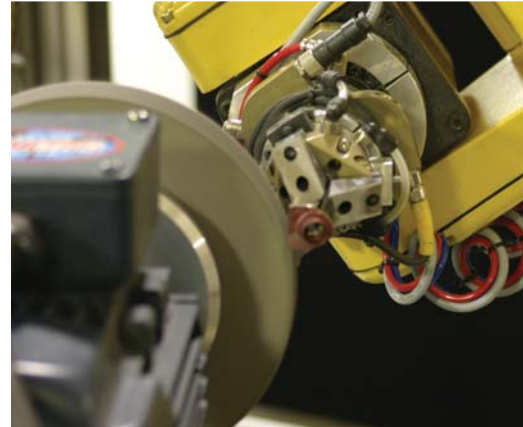
- machine tending
- material handling
- palletizing and stacking
- material removal
- dispensing

FANUC high performance robots, coupled with our project management, innovative systems engineering, customer service, and extensive industry experience have enabled us to successfully automate a variety of applications across several industries.



QUALITY. Over and over again.

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Contact Weldon today to find out how an automation solution can enhance your manufacturing operation, and increase its efficiency and profitability.