

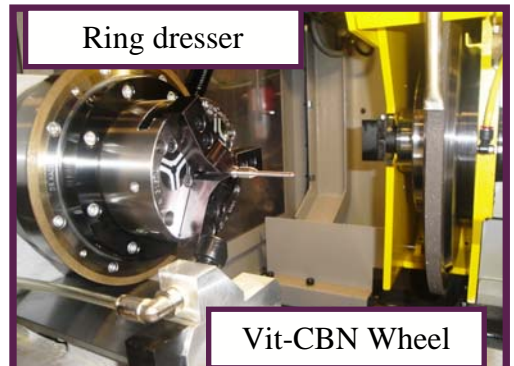
# P175 Automated Flat Grinding Cell



M10i Robot



Dual Pallet Station



Ring dresser

Vit-CBN Wheel



Remote Operator Control Panel

A mid-western manufacturer selects the Weldon P175 for automated flat grinding, deburring, and laser engraving on cylindrical parts. The parts are presented via a dual pallet station, and loaded with a floor mounted Fanuc M10i-TD robot. Custom end-of-arm tooling is used to load the part into a 4" pneumatic sliding jaw chuck. A post-process gage communicates with the Fanuc CNC for size compensation on a trend basis. The fully automated cycle under gage control can produce roughly 67 parts per hour.

**System Features:** Fanuc tending robot, Telesis laser engraver, Cognex camera, ATI deburr unit, SBS automatic wheel balancer, Dittel acoustic sensor system, Jenoptik post-process gage, St. Gobain vitrified CBN grinding wheel, Weldon Jet wheel cleaner, MicroCentric 3-jaw chuck, and machine mounted PC for data collection.



**FANUC**  
Robotics

**Authorized  
System  
Integrator**

Weldon Solutions offers a full line of CNC OD, ID, and combination grinders. As a Fanuc Robotics integrator Weldon can also address your machine tending, material removal, material handling, and packaging/palletizing needs.

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