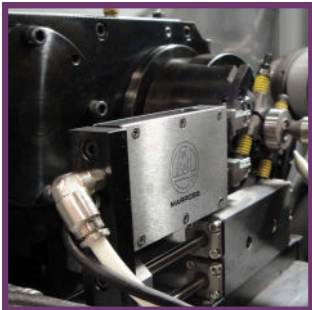
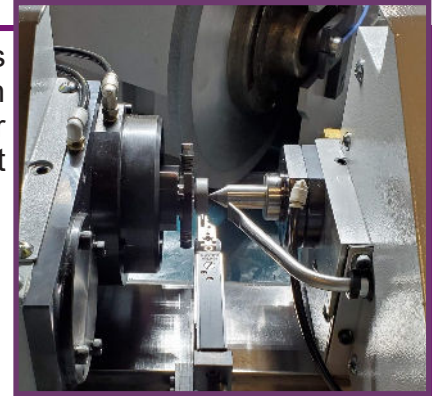


AGN4 Automated Valve Seat Grinder

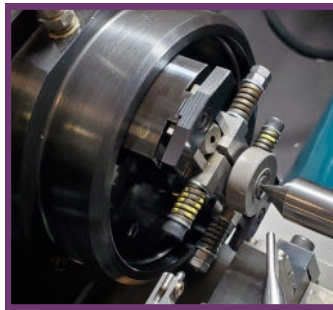


A major automotive parts supplier has once again selected Weldon for their 4th precision valve seat grinding system.

This model AGN4 incorporates a full Weldon turnkey system consisting of a grinder, a 6-axis machine tending robot, a dual pallet infeed system, coolant filtration, mist collection, in-process gaging, and CBN super abrasives. An angular wheel approach is used to permit grinding the OD and the valve face in a single plunge. The fully automatic cycle under gage control will achieve an average production rate of 110 parts per hour and maintain SPC at 2.0 Cpk on all critical attributes.



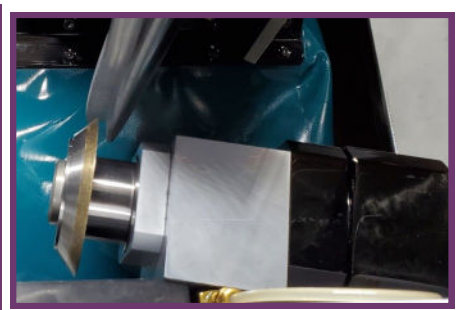
In-Process Sizing Gage



Floating Auto-Driver



Dual Pallet Station w/ Vertical Presentation



Variable Speed Electric Rotary Dresser

System Suppliers:

FANUC 0i TD CNC control and LRMate 200iD robot, **SBS** automatic wheel balancer, **Marposs** in-process gage, **Dittel** acoustic emissions monitoring system, **Gil Solutions** electric rotary dresser, **Prab** coolant system, **HydraCell** high pressure coolant pump, **Airflow** mist collector, **FireTrace** fire suppression system, **Robohand** dual parallel gripper assembly



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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