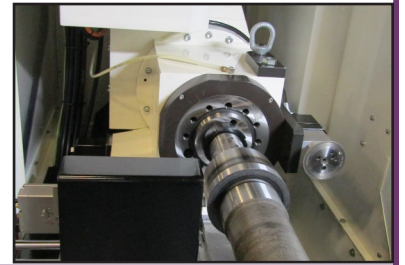


# Midas S2 Axle Shaft OD Grinder



A mid-west construction equipment manufacturing company again selects **Weldon Solutions** for grinding multiple diameters on various axle shafts. This is the first re-designed **midas** CNC grinder to be installed. The new machine features a Z-axis linear motor, increased Z-axis stroke, shear-damper base updates, dual front enclosure door system, & a new 5" stroke hydraulic tailstock with smart cylinder positioning & gear reducer for easy taper compensation. In this process, bearing journals on both ends of the axle & a seal surface are ground to size under gage control with vitrified CBN abrasives. Dressing is accomplished with an electric rotary dresser, monitored by a Dittel acoustic emissions sensor.



**System features:** Weldon long stroke programmable tailstock, **Gil** electric rotary dresser, **Dittel** acoustic emissions sensor, **SBS** automatic wheel balancer, **FRB** face driver & live tailstock center, **Barnes** coolant filtration system, **CGI** in-process sizing gage system, **Superabrasives Inc.** vitrified CBN grinding wheel, **Consort** rotary diamond dressing roll, & **FANUC** 32i BT CNC control.



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

## QUALITY, Over and Over Again.

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Contact Weldon today to find out how a new CNC grinder can enhance your manufacturing operation, & increase efficiency & profitability.