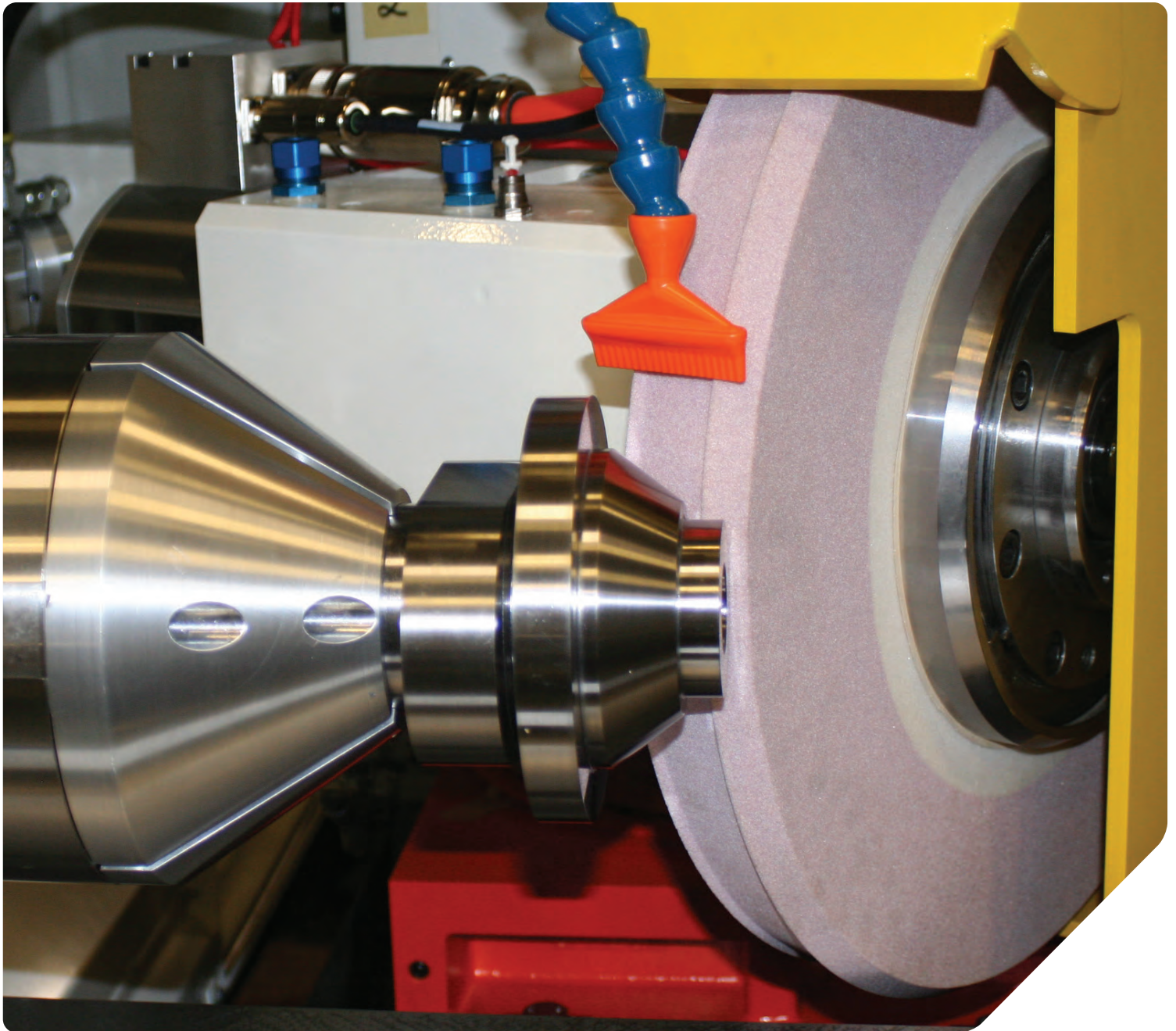


CNC GRINDERS

FROM WELDON SOLUTIONS

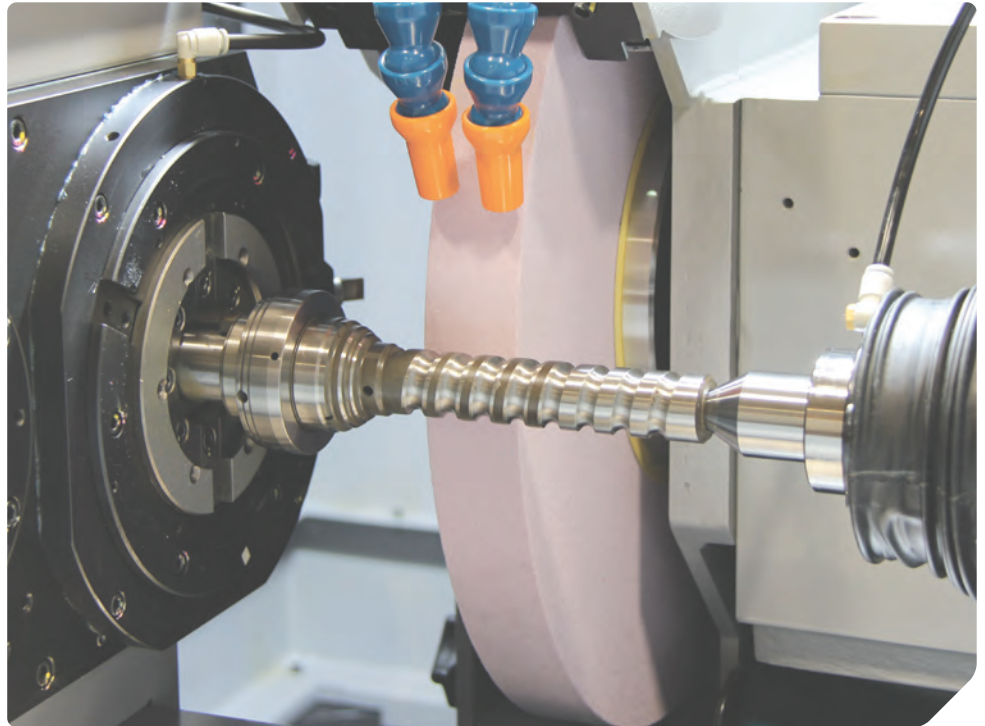


QUALITY.
Over and over again.

CNC GRINDERS

All Weldon CNC grinders are specifically configured, tooled and programmed to suit the end user's requirements. Prior to shipment, all machines are qualified on the user's actual production parts. After shipment, a Weldon engineer will travel to the installation site to assist with start-up and provide on-site training.

Weldon's product range offers a viable solution for practically every external or internal cylindrical grinding challenge on parts ranging from .100" to 16" in diameter and from a few ounces to 1,000 pounds. Weldon's unique machine features and experience with superabrasives offers solutions for difficult to cut materials such as carbide, ceramic, exotic aerospace alloys and hard tool steels. All Weldon grinders feature the latest FANUC CNC controls, are available with a C-axis package for non-round grinding, and are available with robotic or gantry automation options.



ID



PHOENIX

The Phoenix is a large capacity CNC ID grinder for parts up to 16" in diameter. It is available in a dual spindle configuration for multiple surface ID or ID/OD chucking applications. Designed for the use of superabrasives, the Phoenix can accommodate both diamond and vitrified CBN grinding wheels.

- 16" swing
- 200 pound part weight capacity
- Weldon Shear Damper base construction
- Cross-Roller linear guide ways
- Live spindle workhead
- Full enclosure



UGC

The UGC is a compact, high precision CNC ID grinder with 4" chuck capacity. The option is available for a dual spindle configuration. An optional programmable "C" axis is also available for non-round (cam) grinding capability.

- 4" swing
- 20 pound part weight capacity
- Heavily ribbed cast-iron base construction
- Vee/Flat hydraulic pressurized guide ways
- Live spindle workhead
- Full enclosure

OD/ID



GOLD

Weldon's most versatile grinder, the 1632 GOLD can satisfy a wide range of production OD / ID and non-round grinding applications. All rotary and linear axes are specially sealed from airborne contaminants providing unmatched longevity when grinding carbide and ceramic.

- 16" swing
- 300 pound part weight capacity
- Weldon Shear Damper base construction
- Live spindle workhead: #5 MT
- Full enclosure
- 16" x 3" grinding wheel capacity
- 15 hp variable speed wheel drive

AGN4



Weldon's most economical solution for small part production is the model AGN4. This is a compact, high precision CNC grinder available in either a straight or angular wheelhead configuration. An optional programmable "C" axis package is available for non-round (cam) grinding capability.

- 7" swing; 10" between centers
- 44 pound part weight capacity
- Heavily ribbed cast-iron base construction
- Vee-Flat linear guide ways
- Live/dead spindle workhead
- Full enclosure
- 14" x 2" grinding wheel capacity
- 5 hp variable speed wheel drive

ALTAIRA



The Altaira is designed to satisfy high production OD grinding applications. A Turret wheelhead option is available with spindles for OD straight, OD angular, and ID permitting multi-function grinding in a single set-up.

- 16" swing x 40" between centers
- 600 pound part weight capacity
- Weldon Shear Damper base construction
- 20" x 4" grinding wheel capacity
- 24" x 5" grinding wheel capacity (optional)
- 25 hp variable speed wheel drive
- Cross-Roller linear guide ways
- Live spindle workhead: #5 MT
- Full enclosure

G300



The Weldon model G300 is a mid-sized CNC cylindrical grinder designed specifically to produce high precision parts either between centers or in a chucking mode. Although capable of running in a high production environment, the G300 also provides the flexibility to grind a wide variety of part configurations with minimal set-up.

- 11.8" swing x 20" between centers
- 330 pound part weight capacity
- Multiple work holding solutions
- Live and dead spindle Workhead: #5 MT
- 10 hp variable speed wheel drive
- Wheelhead - Straight or 30° fixed
- 16" x 3" Straight grinding wheel capacity
- 20" x 4" Angled grinding wheel capacity
- Full enclosure

MIDAS



The workhorse of Weldon's line, the Midas series offers the highest level of productivity for OD grinding applications. A Turret wheelhead option is available with spindles for OD straight, OD angular, and ID permitting multi-function grinding in a single set-up.

- 16" swing x 25" between centers
- 300 pound part weight capacity
- Weldon Shear Damper base construction
- Cross-Roller linear guide ways
- Live spindle workhead: #5 MT
- Full enclosure
- 20" x 4" grinding wheel capacity
- 24" x 5" grinding wheel capacity (optional)
- 20 hp variable speed wheel drive

SOLARIS



Weldon's largest capacity OD grinder. A turret wheelhead option is available with spindles for OD straight, OD angular and ID permitting multi-function grinding in a single set-up. All this power, all this capability and still the smallest footprint of any machine in it's class.

- 16" swing x 60" between centers
- 1,000 pound part weight capacity
- Weldon Shear Damper base construction
- Cross-Roller linear guide ways
- Live spindle workhead: #5 MT
- Full enclosure
- 20" x 4" grinding wheel capacity
- 24" x 5" grinding wheel capacity (optional)
- 25 hp variable speed wheel drive



AUTOMATION FOR GRINDERS.

Automatic machine tending solutions are offered for all Weldon CNC grinders. Custom hard-tooled systems, overhead gantries, and robotic solutions can all be considered depending on the users' particular circumstances. Weldon is an Authorized System Integrator and Certified Service Provider for FANUC Robotics.

When compared to a more traditional solution, articulated robots enable you to:

- Achieve shorter installation time resulting in lower integration costs.
- Eliminate some moving components such as rotary actuators to minimize maintenance expenses.
- Use one robot to tend multiple machines with multiple operations to lower your capital investment.
- Minimize changeover time.



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