Randbright Centerless
Deburring, Polishing & Finishing Machines

midwest GROUP ONE
application automation
Randbright Machines and Systems run a variety of finishing wheels, wire brushes, buffs, and abrasive belts for grinding, polishing, deburring, brushing, and cleaning. Applications include steering racks, automotive valves, camshafts, piston rings, brake calipers, transmission components, zirconium tubing, custom stair rail finishing, lighting features, diesel injectors, hydraulic piston rods, brass tubing, helicopter rotor pins, and more.

The BT 25 Dry is a portable, benchtop machine for light-duty applications as found in job shops, small businesses, and a variety of light manufacturing environments using non-woven abrasive wheels.

**BT 25 Dry Features**
- Bench top design
- Mechanical variable speed drive
- Spring-loaded head assembly
- TEFC head assembly motor with one (1) inch diameter spindle
- Ammeter for head assembly
- Hand wheel adjusted part thickness & head pressure
- Adjustable UHMW guide blades
- Two (2) dust collection pick-ups
- Hinged access door for ease of changing abrasive wheel
- One (1) pair of 3M #356 flanges
- 110 volt, single phase electrics
- Optional pop-up head & small part diameter guide blade kit

**BT 25 Specifications**
- Maximum Part Diameter
- BT 25 Dry: 1 inch

The BH 35/50 Dry is a centerless, outside diameter finishing machine that is ideal for a large variety of cylindrical parts using abrasive belts and polishing wheels.

**BH 35/50 Dry Features**
- Electronic variable speed drive
- Rubber-coated feed drum is precision ground
- Hand wheel adjusted feed drum angle
- Head assembly mounted on dove tail slide to accommodate abrasive belts or abrasive wheels
- TEFC-rated abrasive belt motor with 1.25 inch diameter spindle
- Ammeter for each head assembly
- Large diameter rubber coated contact drum
- Contact drum and idler rollers are high speed balanced
- Pneumatic idler roller with automatic tracking
- Hand wheel adjusted part thickness and head pressure
- Hand wheel adjusted guide blades to part diameter
- Two (2) dust collection pick-ups
- Hinged access door with safety interlock
- One (1) pair 3M #356 flanges
- Electric control panel with push button controls
- Emergency stop

**BH 50 Wet Features**
- Same features as BH 35/50 Dry plus:
  - Manual paper bed filter with filter media, clean tank, sludge bin, and clean fluid return pump
  - Two (2) flexible/adjustable coolant nozzles
  - Stainless steel catch pan
  - Emergency stop
  - Optional pop-up head, buffing compound applicator and variable speed spindle(s)

**BH 50 Specifications**
- Maximum Part Diameter
- BH 50 Wet: 5 inches

**BH 35/50 Specifications**
- Maximum Part Diameter
- BT 35 Dry: 3 inches
- BT 50 Dry: 5 inches

The BH 50 Wet has the same versatility as the BH 50 Dry and is ideal for finishing and polishing stainless steel parts in an abrasive belt grinding application.
The BH 50 Dry Deburring, Polishing and Finishing System with load/unload conveyors is available in one to four head configurations.

Niagara wet dust collection systems are intended for safe, efficient collection of various dusts from grinding and deburring operations. Using a water filled tank as the filter into which the contaminated air is pulled, dust particles sink to the base of the tank and are easily raked into a disposal container. Includes electronic level sensor with automatic refill. An optional National Fire Code NFPA 484 Approved kit is available for combustible materials.

BH 50-2 head shown with automatic load/unload conveyors and powered overhead drive.

BH 100 Dry with Niagara Wet Dust Collector
BH 100 Dry Standard Features

- Electronic variable speed drive with digital display
- Rubber-coated feed drum is precision ground
- Hand wheel adjusted feed drum angle
- Head assembly mounted on dove tail slide to accommodate abrasive belts or abrasive wheels
- TEFC-rated abrasive belt motor with 2.0 inch diameter spindle
- Digital ammeter for each head assembly
- Large diameter rubber coated contact drum
- Contact drum and idler rollers are high speed balanced
- Pneumatic loaded idler roller with automatic tracking
- Hand wheel adjusted part thickness and head pressure
- Hand wheel adjusted guide blades to part diameter
- Two (2) dust collection pick-ups
- Hinged access door with safety interlock
- One (1) pair 3M #356 flanges
- Electric control panel with push button controls
- Emergency stop

BH 100 Dry Optional Equipment

- Pop-up head with foot pedal control
- Automatic pop head assembly with electronic sensor
- Electronic variable speed spindle with digital display operating from 800-2400 fpm
- Electronic thickness adjustment with color monitor and positioning unit
- Spring-loaded hold-down rollers
- Powered overhead drives with foot pedal and laser controls
- Manual load/unload conveyors with gravity rollers and guides
- Special load/unload tables

BH 100 Specifications

Maximum Part Diameter
8 inches

The BH 100 Dry Deburring & Finishing System for large diameter parts. Available in one to four head configurations for single pass flow.

Wet or Dry models.
Midwest Group One “Midwest” manufactures a variety of deburring, finishing and polishing machines offering superior results, easy operation, and dependable service at competitive prices. Models include Patriot dry machines with one, two or three head configurations offering 4 to 24 hours of operation per day.

Also available are Nautilus wet deburring and finishing machines, Explorer custom deburring and finishing machines, Rand•Bright® cylindrical deburring and finishing machines, and Niagara wet dust collection systems. Made in USA.