

Dura-Blast 3BB Wheel Blast



- Standard 7.5HP Goff style wheel
- Full safety interlock system
- Two-hand safety for door operation
- Standard PLC controlled panel, for manual or automatic cycle start
- 5'4" x 5'9" x 10'5" footprint
- 100% abrasive air wash
- Commonly available parts
- 400 lb. mill capacity
- 800 CFM dust collector
- Easy elevator belt replacement
- Cast Alloy Barrel Heads and AR500 Cabinet Mill Liners
- Optional touch screen controls for peening operations, or by request
- Optional Magna-Valve for maximum shot flow and no abrasive valve adjustment

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Dura-Blast 3 BB Wheel Blast Technical Data

Dura-Blast Blast Wheel

Wheel: 3600 RPM, 12"/13.5"/15", Direct Drive, 7 Blade, cast alloy cage, impeller, and liners, optional variable speed drive.

Blades: Long life, cast alloy cage, matched by weight for proper wheel balance.

Blast Wheel Housing: Available in ¼" mild steel, AR steel, or manganese steel.

Cabinet Construction

Outer Cabinet: AR36 construction, fork truck pockets for easy placement.

Cabinet Lining: Replaceable cast barrel heads and segments, ARS00 mill liners and roof.

Mill: Continuous rubber mill belt with tumbling ridges and drain holes sized for your abrasive.

Mill Drive: Chain driven.

Work Loading Height: 39".

Working Dimensions: 31" between barrel heads, and 24" diameter, for a 3 cubic foot mill capacity.

Mill Door: Standard vertical air lift door with easily replaceable door liner.

Power & Air requirements

Control Panel: Nema 12 electrical enclosure, optional voltages available, 3 phase, PLC controlled, standard automated cycle, digital cycle timer, audible alarm, heavy duty push buttons, ammeter, and overload protection.

Required Air: 80-100 PSI to operate door, abrasive valve, and dust collector pulse cleaning cycle.

Electric Motors: 7 .SHP blast wheel motor, 1 HP mill drive motor, 1 HP elevator motor, and 2HP dust collector motor.

Abrasive Cleaning & Recovery

Elevator and Air Wash: Single V-belt system that carries the abrasive to an adjustable separator where 100% of the abrasive is air washed. Cleaned abrasive is then deposited into the abrasive storage hopper for feeding of the blast wheel. An easy access screen is in place to help keep larger, foreign items from damaging the blast wheel components. Elevator belt is adjustable to prevent the belt from slipping as it wears.

Abrasive Flow: Manually adjustable, butterfly type abrasive valve for setting blast wheel amperage and controlling abrasive flow. Optional Magna-Valve available for automatic adjustment with different abrasives or Shot Peening use.

Abrasives: Most standard shot or grit type abrasives can be used, and the initial abrasive charge is 300 lbs.

Dust Collector: Adjustable reverse pulse, 6 cartridge collector, standard Magnehelic gauge, with options available.

Standard Operating & Safety Information

Safety: Blast wheel will not operate if mill door is not closed. Standard guards, covers, warning labels, and electrical protections in place.

Noise: Approximately 80 DB if properly maintained and in good functioning condition.

Shipping Information: Approximately 3600 lbs., ships in one piece on a double-drop trailer, and overall footprint is 5'4" wide x 5'9" deep x 10'5" tall.

Additional Options available so please discuss with your sales representative.

