

## DuraBlast 48" Table Blast

- Standard 15HP Goff style wheel
- Full safety interlock system
- Unique sloped door minimizes shot leakage
- 7'9" x 7'9" x 8'10" footprint
- 100% abrasive air wash
- Commonly available parts
- 5000 lb. table capacity
- 800 CFM dust collector
- Easier elevator belt replacement
- Optional full cast lined cabinet for superior wear resistance
- Optional touch screen controls for peening operations, or by request
- Optional Magna-Valve for maximum shot flow and no abrasive valve adjustment



**dura**  
**blast**™

# DuraBlast 48" Table 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 blades, matched by weight for proper wheel balance.

**Blast Wheel Housing:** Available in 1/4" mild steel, AR steel, or manganese steel.

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## Cabinet Construction

**Cabinet:** AR 500 construction, fork truck pockets for easy placement.

**Cabinet Lining:** Replaceable cast alloy liners in direct blast area, optional fully lined blast cabinet area.

**Work Table:** 48" diameter mild steel table with a Mangalloy table ring, AR 500 table liner, 5000 lb. capacity when properly loaded, notched roof for easy overhead loading.

**Table Drive:** Chain driven.

**Work Loading Height:** 36".

**Maximum Working Dimensions:** 48" diameter x 19" height at edge of table and 37" height at center of table.

**Cabinet Door:** Manganese door liner, directs abrasive back into the cabinet, door pin safety system prevents accidental opening.

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## 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 latch, door safety pin, abrasive valve, and dust collector cleaning cycle.

**Electric Motors:** 15HP blast wheel motor, 1HP table drive motor, 1HP elevator motor, and 2HP dust collector motor.

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## Abrasive Cleaning & Recovery

**Elevator and Air Wash:** Double V-belt system that carries the abrasive to an adjustable, eye-level separator where 100% of the abrasive is air washed, then cleaned abrasive is carried up to 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 belts are adjustable to prevent the belts from slipping as they wear.

**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 800 lbs.

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

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## Standard Operating & Safety Information

**Safety:** Blast wheel will not operate if door is not closed. Door pin safety system keeps the door from opening, even if all power is lost. 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 5600 lbs., ships in one piece on a single-drop trailer, and overall footprint is 7'9" wide x 7'9" deep x 8'10" tall.

Additional Options available so please discuss with your sales representative.

