

## CARDINAL TUMBLE BLAST

Cardinal Parts & Equipment's **TUMBLE BLAST** line carries a variety of sizes to fit your specific application. Visit us online or call today to learn more about our entire selection of wheel blast equipment including Hanger Blast, Table Blast, & Specialty Blast Equipment.

# CARDINAL 300

## SPECIFICATIONS

- 7.5 Hp Direct Drive Blast Wheel
- 400 Lb. Load Capacity
- Rubber Mill Belt
- Automatic Timer Controls
- Low Noise Level
- Low Profile Design



## TUMBLE BLAST

## OPTIONS

- Low Level Sensor/Shield Indicator Light
- Manganese Barrel Heads
- VFD on Blast Wheel
- 1200 CFM Dust Collector
- Adder Hopper
- Vertical Door

# **SPECIFICATIONS- CARDINAL 300 TUMBLE BLAST**

## **AIRLESS BLAST UNIT**

**WHEEL:** Direct drive blast wheel revolves at 3450 RPM. Standard blast wheel is 12" in diameter and has seven curved blades. Components are balanced for smooth operation.

**BLADES:** Cast from abrasive resistant alloy for maximum life with a unique design for easy blade replacement.

**CONTROL CAGE:** Dial type cage

**WHEEL HOUSING:** 1/4" steel plate, completely lined with alloy steel liners. All liners are replaceable.

## **MILL CONSTRUCTION**

**CONVEYOR:** Continuous molded rubber tumble belt is 3-ply construction with standard 5/16" diameter abrasive drain holes. Rubber tumbling ridges. Variable speed. \*Optional drain hole size.

**CONVEYOR ROLLERS:** Heavy duty rollers have 1-7/16" solid shafts. All rollers are mounted to the cabinet with standard 4-bolt flange bearings.

**LINERS:** 24" diameter barrelheads are 3/8" abrasive resistant steel. Tight sealing abrasive resistant cabinet liners remove for belt access. \*Optional cast liner package.

**CONVEYOR SPEED:** Variable speed.

**CAPACITY:** 31" wide by 24" diameter mill will handle 3 cubic feet or 400 pounds.

## **CABINET CONSTRUCTION**

**CABINET:** Fabricated from 1/4" steel plate. Access holes in sides of cabinet simplify belt and liner replacement. Tramp metal collected on lower abrasive screen.

**DOOR:** Air operated power lock. 1/4" neoprene door liner.

## **ABRASIVE RECYCLING SYSTEM**

**ELEVATOR:** V-belt bucket elevator provides positive tracking and is easily adjusted. Heavy duty C-section elevator belt has multiple cord construction. Solid cast iron elevator sheaves. Hopper screen.

**ABRASIVE REQUIRED:** 300 pounds initial.

**ABRASIVE CONTROL:** Fully adjustable air actuated butterfly valve provides precise flow control of abrasive. Totally enclosed design means maximum noise suppression.

## **VENTILATION FEATURES**

**\*OPTIONAL DUST COLLECTOR:** Requires 800 CFM

## **ELECTRICS**

Type 12 electrical enclosed, thermal overload protection for all motors, standard 230/460 volt ammeter, oil tight pushbutton controls. Timer controls the abrasive flow, blast wheel motor and door lock. Mill bypass for blast pattern test.

## **ELECTRIC MOTORS**

All motors are totally enclosed and fan cooled to provide maximum life. Standard 230/460 volt 3-phase. Blast Motor 7.5Hp/3450RPM Mill Drive 3/4Hp/1800RPM Elevator Drive 3/4Hp/1800RPM

## **SAFETY FEATURES**

Blast wheel operational only when door is closed. Door is electrically locked closed during blast cycle. After blast wheel shutdown, adjustable time delay allows flow of abrasive to brake blast wheels to stop before door can be opened.

**NOISE LEVEL:** 80 DB (approx.)

**SHIPPING WEIGHT:** Approximately 2,400 pounds.

## **DIMENSIONS:**

Width: 60"  
Depth: 60"  
Height: 121"

**\*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**



## **Cardinal Parts & Equipment**

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