

Empire Abrasive Equipment

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Item # BB2-3K, BB2 & BB4 Basket Blasters

- **Accelerate Finishing of Small Parts**
- **Process 300 Pounds Plus per Cycle**
- **Deliver Repeatable Results**

Empire's BB2 and BB4 Basket Blasters automate cleaning, peening and finishing of small workpieces. With certain types of parts, no other finishing method can compare to these heavy-duty production machines [+ more](#)



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Specifications

**Outside Dimensions (D x W x H)
Cabinet with Reclaimer** 61 x 56 x 74 Inch

**Outside Dimensions (D x W x H) Dust
Collector** 26 x 22 x 98 Inch

Cabinet Construction 14 gauge

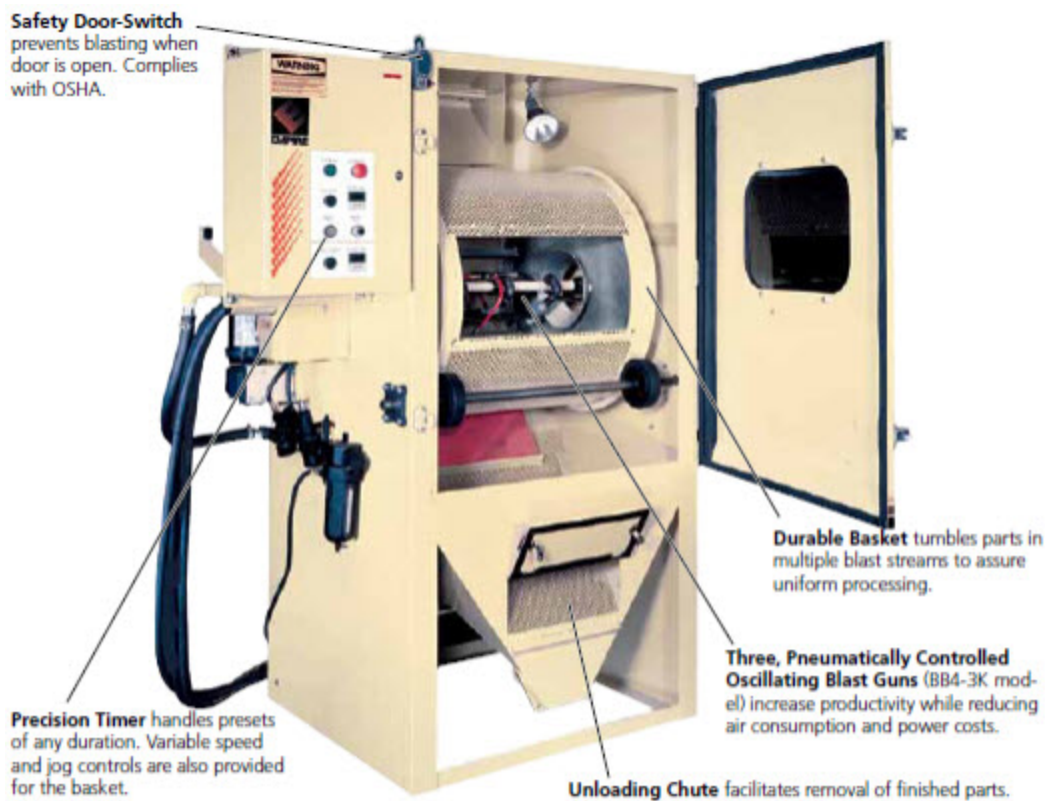
Basket Construction 11 gauge

Reclaimer Construction 11 gauge

Basket Diameter 30 Inch

Basket Width 16 Inch

Door Opening Width	10 Inch
Door Opening Height	11 Inch
Basket Capacity	300 lbs 1-1/2 ft ³
Standard Non-Coated Perforations Diameter	5/16 Inch
Optional Coated Perforations Diameter	5/16 Inch or less
Optional Non-Coated Perforations Diameter	1/8 Inch
Blast Guns	MH-2 Short Handle
Blast Guns Quantity	2
Blast Guns Size	5/16' with 5/32" jet
Blast Guns Nozzle	Di-Carb®
Blast Guns Oscillation	No
Blast Guns Compressed Air at 60 PSI	54 scfm
Dust Collector (Bag House) Model	DCM-80A
Dust Collector (Bag House) Fan Size	1 hp
Dust Collector (Bag House) Rated CFM at 6" S.P.	400
Dust Collector (Bag House) Cloth Area	80 ft ²
Dust Collector (Cartridge) Model	CDC-6
Dust Collector (Cartridge) Fan Size	1-1/2 hp
Dust Collector (Cartridge) Rated CFM at 6" S.P.	600
Dust Collector (Cartridge) Filter Area	452 ft ²
Reclaimer Rated CFM	400 600



BB2---BB4-Basket-Blaster-Features

Standard Features

Standard Features

- Quick-release basket door
- External blow-off gun
- Door/blast interlock
- Easily unloaded hopper door
- Precision timer
- 1/3-hp., DC variable drive (2 to 20 RPM)
- 3-phase fan motor
- Heavy-duty conveying hose
- Lined, tunable reclaiming
- 1" piping with general purpose filter, gauge and pressure regulator
- Electrical control box
- Two, 90-watt interior lights
- Easily accessed media hopper
- Observation window
- Cabinet and dust-collector leveling bolts

Basket Blaster Options

- Boron carbide nozzles (recommended with aluminum oxide)
- Coated basket
- Automatic bag shaker or photohelic-controlled pulse-jet cleaning

Basket Blaster Options

for cartridge-type dust collectors

- Automatic blow-off cycle
- Signal light to indicate cycle completion
- Non-standard voltages
- 50 Hz operation
- Basket cover assembly for light parts (BB2-3K only)
- Larger 7/16" guns (BB2-3K requires 104 SCFM at 60 psi)
- Smaller 1/4" guns (BB2-3K requires 34 SCFM at 60 psi)
- High-capacity fan for oversized media
- Small-parts barrel with 1/8" diameter perforations
- Barrel kick flights for more even processing of parts
- CDC-6 cartridge-type dust collectors

Media

Media

Empire basket blasters are designed for use with glass bead (180 mesh or larger), aluminum oxide (40 to 200 mesh), steel grit (G-125 to G-200), steel shot (S-70), and nutshells or plastic of any size. Consult Empire for recommendations concerning other abrasives.

Dust Collection

Dust Collection

In addition to bag-house units, we offer a cartridge dust collector with both basket blaster models. The vertical cartridges in the CDC-6 are easy to replace and provide a filtration area of 452 square feet which captures 99.999% of particles one-half micron or larger. With either the bag-house or cartridge collectors, air can normally be recirculated to the workplace, thereby reducing HVAC costs.

Media Reclamation

Media Reclamation

Basket-blaster reclaimers are tunable, meaning they can be adjusted to prevent and control the loss of fine, medium or coarse media. They also include a removable debris screen to prevent oversized material from clogging the nozzles, an easy-access door for quick media filling and a polyurethane liner that extends reclaimer life.

Warranty

BEST WARRANTY IN THE INDUSTRY

Three-years limited on parts and labor

Empire Air-Blast Products

Warranty

- A complete range of cabinets
- Robotic, turntable and in-line automation
- Blast rooms and blast booths
- Portable blasters
- A full line of parts and accessories

NEVER USE SILICA SAND IN ANY EMPIRE EQUIPMENT

Information subject to change without notice.