

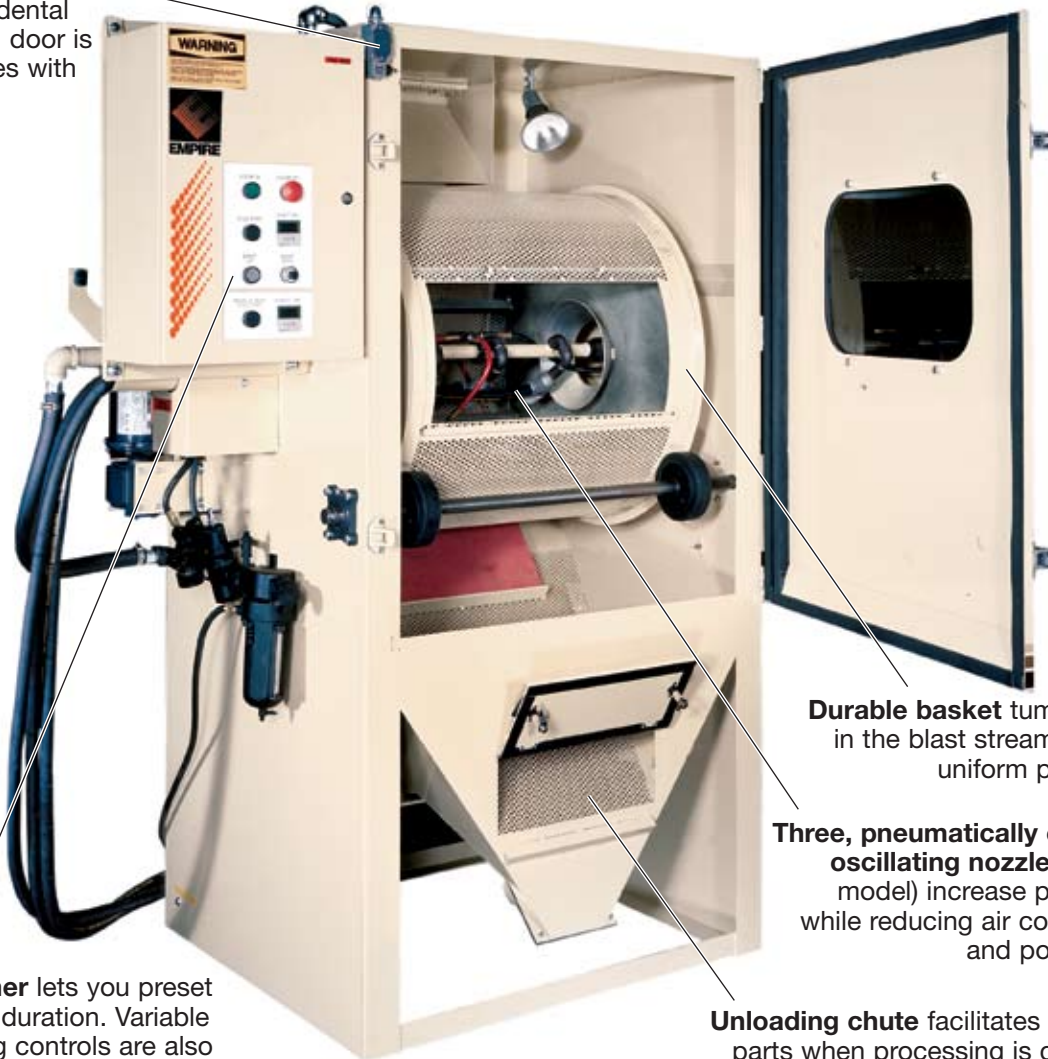


PRO-FINISH® BASKET BLASTERS

TM

Finish Small Parts Automatically

Safety-door-switch prevents accidental blasting when door is open, complies with OSHA.



Precision timer lets you preset cycles of any duration. Variable speed and jog controls are also provided for the basket.

Durable basket tumbles parts in the blast stream to assure uniform processing.

Three, pneumatically controlled oscillating nozzles (BB4-3K model) increase productivity while reducing air consumption and power costs.

Unloading chute facilitates removal of parts when processing is completed.

Empire's Pro-Finish® 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 in terms of speed and quality results.

All you have to do is load parts into the unit, set the precision timer, and the basket blaster does the rest. As parts are tumbled through an abrasive blast stream, they are processed evenly and automatically.

Special features on Empire's Pro-Finish basket blasters include an unloading chute to speed parts handling, and a polyurethane-lined media reclaimer

plus heavy-duty ductwork that reduce maintenance requirements. Two models are available: a BB4-3K with a 350-pound parts capacity and three pneumatically controlled oscillating blast nozzles that increase production rates while reducing power consumption, and a smaller BB2-3K unit with two fixed nozzles and a capacity of 300 pounds.

Put either unit to work and your parts finishing costs should start to take a tumble right away. For more information about Pro-Finish basket blasters, contact Empire or call your Empire distributor to arrange for a demonstration.



BASKET BLASTER SPECIFICATIONS

Model	BB2-3K	BB4-3K
Outside dimensions (DxWxH)		
Cabinet with reclaimer	61"x56"x74"	*61"x87"x74"
Dust collector	26"x22"x98"	39"x34"x105"
Construction		
Cabinet	14 gauge	14 gauge
Basket	11 gauge	11 gauge
Reclaimer	11 gauge	11 gauge
Basket		
Size	30" dia. x 16" long	30" dia. x 30" long
Door opening	10" wide x 11" high	24" wide x 11" high
Capacity	300 lbs., 1-1/2 cu. ft.	350 lbs., 3-1/2 cu. ft.
Perforations		
Standard non-coated	5/16" dia.	5/16" dia.
Optional coated	5/16" dia. or less	5/16" dia. or less
Optional non-coated	1/8" dia.	1/8" dia.
Blast guns		
Number	2	3
Size	5/16" with 5/32" jet	5/16" with 5/32" jet
Type	Di-Carb®	Di-Carb®
Oscillation	No	Yes (pneumatic)
Compressed air at 60 PSI	54 SCFM	81 SCFM
Dust collector (bag house)		
Model	DCM-80A	DCM-200
Fan size	1 hp.	1-1/2 hp.
Rated CFM at 6" S.P.	400	600
Cloth area	80 sq. ft.	200 sq. ft.
Dust collector (cartridge)		
Model	CDC-6	CDC-6
Fan size	1-1/2 hp.	1-1/2 hp.
Rated CFM at 6" S.P.	600	600
Filter area	452 sq. ft.	452 sq. ft.
Reclaimer		
Rated CFM	400	600

* Overall width includes oscillation stroke.

Dust Collection – In addition to bag-house units, we offer a cartridge-type 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-type collectors, air can normally be recirculated to the workplace, thereby reducing HVAC costs.



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

Options: • Boron carbide nozzles (recommended with aluminum oxide) • Coated basket • Automatic bag shaker or photohelic-controlled pulse-jet cleaning 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; BB4-3K requires 156 SCFM at 60 psi) • Smaller 1/4" guns (BB2-3K requires 34 SCFM at 60 psi; BB4-3K requires 51 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: Empire Pro-Finish 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.

Reclaimers – Pro-Finish 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 filling and a polyurethane liner that reduces maintenance requirements.



OTHER EMPIRE PRODUCTS

- Pro-Finish®, Econo-Finish® & Modified cabinets
- Automated blast systems
- Blast rooms
- Pneumatic blast & recovery systems
- Plastic-media stripping systems
- Portable blasters
- Centrifugal-disc deburring systems

**SILICA SAND IS NOT TO BE USED
IN ANY EMPIRE BLAST EQUIPMENT.**

BEST WARRANTY IN THE INDUSTRY

Three years limited on parts and labor

Information subject to change without notice.

EMPIRE
ABRASIVE EQUIPMENT

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