

Continuous-Belt Air Blasters

- Batch Finish Parts up to 24" Long
- Process 400 Pounds per Cycle
- Deliver Consistent, On-Spec Results

LED Beam Sensor prevents accidental door closing for added safety.



Three Oscillating Blast Nozzles (or Four Oscillating Blast Guns on suction systems)

increase productivity while reducing air consumption and power costs.

Precision Timer controls blast cycles of any duration.

Durable Rubber Belt tumbles parts in multiple blast streams to assure uniform processing.

Empire's Continuous-Belt Air Blasters process multiple parts with the speed and economy of our Basket Blasters while expanding the envelope of tumble blasting from nuts and bolts to heavier work pieces.

Our CB-3.5 machines, available with either pressure or suction blast systems, automate cleaning, peening, deburring, profiling, finishing and many other surface-conditioning tasks. Plus, they handle a vast range of parts formed from casting and injection molding, as well as the molds used to produce the parts. Often, no other finishing method can compare to these heavy-duty production machines in terms of speed and quality results.

Operation is simple: Load parts onto a rugged perforated belt, set the precision timer, and the CB-3.5 does the rest. By tumbling parts within multiple abrasive blast

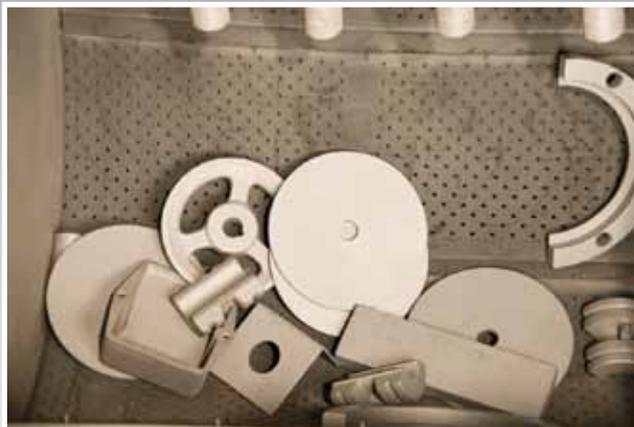
streams, these machines deliver consistent results – automatically.

Two models are available: a CB-3.5-S suction system and our more aggressive CB-3.5-P pressure unit (shown above) normally preferred in shot peening and other high intensity applications. Both machines have a part-load capacity of 400 pounds.

For additional information about our CB-3.5 Continuous-Belt Air Blasters, go to the next page, contact Empire or your local Empire distributor, and visit our web site at www.empire-airblast.com

General Specifications

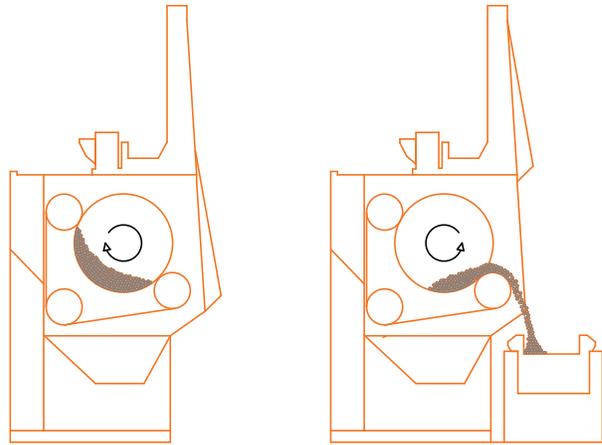
Model	CB-3.5-P	CB-3.5-S
Dimensions (DxWxH)		
Total CB System Volume	195" x 170" x 140"	195" x 170" x 140"
CB Air-Blast Enclosure, exterior	59" x 42½" x 104"	59" x 42½" x 104"
Reclaim System, exterior	62" x 62" x 108"	62" x 62" x 108"
Dust Collector, exterior	35" x 40" x 116"	35" x 40" x 116"
CB Part Loading Door (WxH)	29" x 24"	29" x 24"
Construction		
Barrel heads	4 gauge steel	4 gauge steel
Belt	½" reinforced rubber	½" reinforced rubber
Blast Enclosure	4 & 6 gauge steel	4 & 6 gauge steel
Dust Collector	14 gauge	14 gauge
Reclaimer	11 gauge	11 gauge
Capacities		
Abrasive Charge	600 lbs	300 to 400 lbs
Dust Collector, air flow at 11" S. P.	1,200 CFM	1,200 CFM
Dust Collector, filtration area	452 ft²	452 ft²
Dust Collector, discharge drum	16 gallons	16 gallons
Reclaimer	1,200 CFM	1,200 CFM
Work Mill	400 lbs, 3½ ft³	400 lbs, 3½ ft³
Blast Nozzles/Guns		
Quantity	3 pressure nozzles	4 MH-3 guns
Size	⅝" short venturi	⅜" wide spray
Material	Boron	Boron
Pipe string	1"	1"
Electricals		
Primary Supply	460V/60Hz/3-phase	460V/60Hz/3-phase



Empire's Continuous-Belt Air Blasters process parts of varying shapes, sizes and weights automatically.

Standard Features: • Automatic pulse cleaning of cartridge dust-collection filters • NEMA 12 enclosure housing Allen Bradley processor and electrical components • Nozzle oscillator • Rubber-lined loading door with LED safety system • Precision timer • External barrel-head adjustments • Tunable media reclaimer with Ultrawear lining and externally replaceable wear plates • System sound dampener • Safety interlocks on access doors • Rake-off system for extended belt life

Options: Automatic Media Make-Up System provides fine control of the abrasive or shot mix in applications requiring precise, repeatable surface conditioning.



Empire's Continuous-Belt Blasters unload parts with the push of a button. Once processing is complete, the operator opens the door, pushes the "reverse" button and the barrel rotates in the opposite direction to feed work pieces into a post-processing bin.

BEST WARRANTY IN THE INDUSTRY

One year limited on parts

Empire Air-Blast Products

- 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.

Empire Abrasive Equipment

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