Continuous-Belt Air Blasters

EMPIRE

- Batch Finish Parts up to 24" Long
- Process 800 Pounds per Cycle
- Deliver Consistent, On-Spec Results

LED Beam Sensor prevents accidental door closing for added safety.



Precision Timer controls blast cycles of any duration

Three Oscillating Blast Nozzles (or Four Oscillating Blast Guns on suction systems) increase productivity while reducing air consumption and power costs.

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 800 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

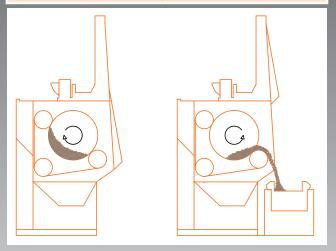
	CD 2 F D	CD 2.5.6
Model	CB-3.5-P	CB-3.5-S
Dimensions (DxWxH) Total CB System Volume CB Air-Blast Enclosure, exterior Reclaim System, exterior Dust Collector, exterior CB Part Loading Door (WxH)	195" x 170" x 140" 59" x 42½" x 104" 62" x 62" x 108" 35" x 40" x 116" 29" x 24"	195" x 170" x 140" 59" x 42½" x 104" 62" x 62" x 108" 35" x 40" x 116" 29" x 24"
Construction Barrel heads Belt Blast Enclosure Dust Collector Reclaimer	4 gauge steel ½" reinforced rubber 4 & 6 gauge steel 14 gauge 11 gauge	4 gauge steel ½" reinforced rubber 4 & 6 gauge steel 14 gauge 11 gauge
Capacities Abrasive Charge Dust Collector, air flow at 11" S. P. Dust Collector, filtration area Dust Collector, discharge drum Reclaimer Work Mill	700 to 800 lbs 1,200 CFM 452 ft ² 16 gallons 1,200 CFM 800 lbs, 3½ ft ³	300 to 400 lbs 1,200 CFM 452 ft ² 16 gallons 1,200 CFM 800 lbs, 3½ ft ³
Blast Nozzles/Guns Quantity Size Material Pipe string	3 pressure nozzles 5/16" short venturi Boron 1"	4 MH-3 guns ³ / ₈ " wide spray Boron 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 • Rubberlined 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 postprocessing bin.

BEST WARRANTY IN THE INDUSTRY

Three-years 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

2101 W. Cabot Boulevard, Langhorne, PA 19047-1893

Call: 215.752.8800 • Fax: 215.752.9373

Email: Airblast@empire-airblast.com • Search: www.empire-airblast.com