



BASKET BLASTER

Kresco's basket blaster speeds up the surface preparation of relatively small parts with various and demanding shapes that may have part-on-part contact, as they can be processed in mass production.



COMMON APPLICATIONS

Basket Blasters automate the cleaning, peening, and finishing of small workpieces. With certain types of parts, no other finishing method can compare to these heavy-duty machines in terms of speed and quality results.

This system is designed for batch-type production of relatively small parts that can withstand being tumbled and bumped into one another (hardware, forged parts, molded parts, etc.).



Before

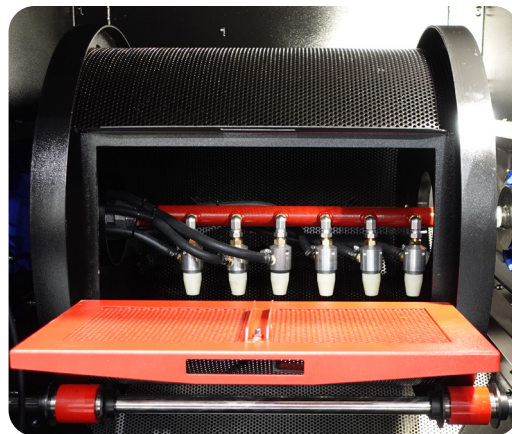


After

OVERVIEW OF THE LINE

Kresco's Basket Blasters comes in three pre-engineered loading capacities.

Model	Basket Size	Capacity	Nozzle Arrangement
BB1010	10" diameter x 10" wide	20.5 lb / 1/2 cu.ft.	Fixed
BB1630	30" diameter x 16" wide	250 lb / 1-1/2 cu.ft.	Fixed
BB3030	30" diameter x 30" wide	350 lb / 3-1/2 cu.ft.	Oscillating



STANDARD COMPONENTS

All basket blasters are delivered with:

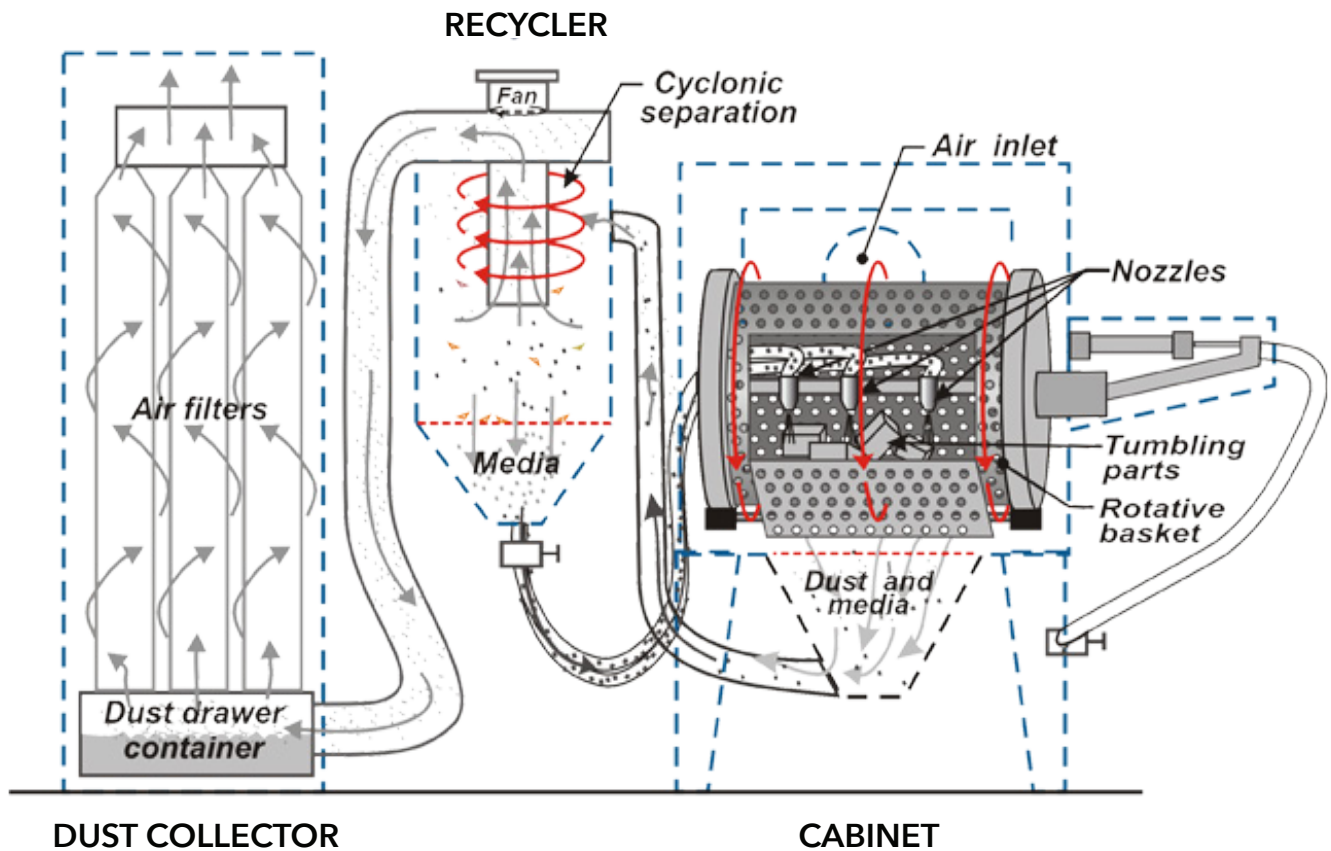
- 1 Heavy-Duty, Coated Tumbling Basket:** Available in different mesh sizes and in 1-½ cu. ft. or 3-½ cu. ft. loading capacities.
- 2 Personalized Process:** Personalize your process by varying abrasive media, blast nozzle size, blasting pressure, table rotation speed, and blasting cycle time.
- 3 Fully Automated Cycle:** Process sequences are controlled by PLC and interfaced with an intuitive HMI touch panel.
- 4 After-Process Parts Cleaning:** Automatic blow-off cycle and manual blow-off gun.
- 5 Extended Service Life:** Thanks to its low-maintenance direct drive motor and rubber lining protection on the inner wall, rotating table, and media reclaimer for extended service life.
- 6 Heavy-duty Construction:** Made of 12-gauge painted steel and supplied with long-lasting boron carbide blast guns.
- 7 Ergonomic:** Unloading chute at bottom of cabinet for easy parts handling.
- 8 Code Compliance:** Design and door switches comply with OSHA requirements and most local safety jurisdictions.

HOW IT WORKS

Simply load the parts into the perforated tumbling basket, set the precision timer according to the desired output, and let the Basket Blaster do the rest.

By tumbling the parts within abrasive blast streams, these machines deliver consistent finishes, automatically. Blast nozzles can be fixed or oscillating on a horizontal axis to ensure optimal tumbling parts covering.

When the process is over, simply open the front door unloading chute and collect the parts in a container or load them on a conveyor on their way to the next manufacturing process.



KEY FEATURES

PLC WITH USER HMI INTERFACE

Critical component operations are fully automated through a Programmable Logic Controller (PLC) with a Human-Machine Interface (HMI) touch screen. The PLC displays ongoing and resolved alarms for smooth functioning of the machine.

- **Main Screen:** Simple user interface for everyday operations and parameters
- **Alarm Screen:** Displays ongoing and resolved alarms history
- **Manual Screen:** Password-protected screen for maintenance personal
- **Maintenance Reminders:** Integrated maintenance program with reminders



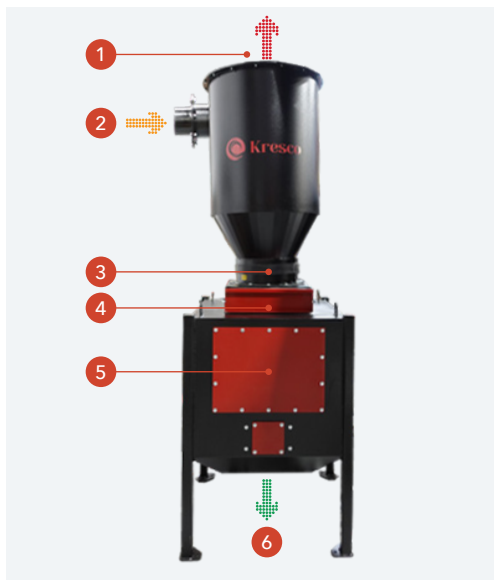
EFFICIENT MEDIA RECOVERY SYSTEM

To optimize your process and reduce your overall cost

Our automated systems are delivered with a **tunable cyclonic media separator** that uses the centrifugal force to separate dust and fine particles (paint chip, rust, scattered media, etc.) from abrasive media still in perfect working condition to be reuse again.

Our unique design can process angular and spherical **abrasive media of various materials, granulometries, and bulk densities**. Its stand-alone support can accommodate different floor layouts and arrangements.

Cyclonic Separator



- 1 Dust, dirt and debris drawn out by the dust collector
- 2 Contaminated media mix from the sandblast cabinet
- 3 Adjustable air inlet to accommodate various types of media
- 4 Large debris dust drawer
- 5 Storage hopper available in different capacities
- 6 Abrasive media in good condition returned to the sandblast cabinet

Media Recovery System Specifications

	RB16	RB24	RB30
Body Diameter	16"	24"	30"
Air Flow (CFM)	900 CFM	1,200 CFM	1,800 CFM
Inlet ID	5" / 6"	6" / 7"	7" / 8"
Outlet ID	7"	8"	8"
Storage Hopper	Custom to each order based on the application and the production target		

POWERFUL CARTRIDGE DUST COLLECTOR

For a dust-free operation and environment

All our automated systems are delivered with a **powerful, self-cleaning cartridge-type dust collector** available in different filtration capacities according to your process requirements and cabinet dimension.



Dust Collectors Line Overview

	CDC900	CDC1200	CDC1800
Motor (HP)	2 HP	3 HP	5 HP
Fan (CFM)	900 CFM	1,200 CFM	1,800 CFM
Filter Cartridges	2	4	4
Filter Capacity	636 sq.ft.	1,272 sq.ft.	1,272 sq.ft.
Overall Dimensions (L x W x H)	48" x 23" x 120"	48" x 45" x 124"	48" x 45" x 124"
Shipping Height*	90"	94"	94"
Fan Muffler (db)	Under 80		

* Adjustable legs to be assembled on site

About Kresco



Kresco designs, manufactures, and supports industrial equipment for the surface treatment industries. **Kresco** has standard equipment designed for most applications and can customize equipment to meet or exceed your production expectations.

Sandblasting

- Sandblast Booths
- Sandblast Cabinets
- Automated Sandblasting Systems
- Abrasive Reclaiming Systems
- Pressurized Sandblasters
- Dust Collectors

Solvent Recovery

- Batch Solvent Distillers
- Continuous Flow Solvent Distillers
- Oil Cooling Systems

Shotblasting

- Roller Conveyor Blaster
- Rotary Table Blaster/Swing Table Blaster
- Spinner Hanger (Batch)
- Continuous Flow with Monorail
- Rubber and Steel Flight Tumbler Blasters
- Flow Thru Barrel Blasters
- Mesh Belt Continuous Blasters
- Monorail System Blasters
- Rim Blasters
- Preservation Line

Parts & Consumables

- Blast Nozzles
- Blast Hoses
- Abrasive Media
- Air Valves
- Abrasive Metering Valves
- Cartridge Filters
- Sludge Bags
- Safety Equipment & PPE

Painting

- Paint Spray Booths
- Powder Coating Booths
- Drying Ovens
- Air Make-Up Units

Services

- Turnkey Project Design
- Custom Design
- Full Installation
- Start-up Supervision
- Training
- Maintenance
- Retrofit & Upgrade

All systems are designed to build and they are manufactured with the highest quality standards in our manufacturing shop in Quebec, Canada.





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