



IN-LINE SANDBLASTING CABINET

Kresco's automated sandblasting cabinet with in-line conveyor is the ideal solution for continuous flow sandblasting operations of metal pieces of various sizes and shapes.



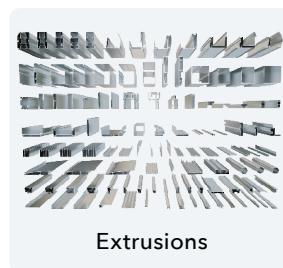
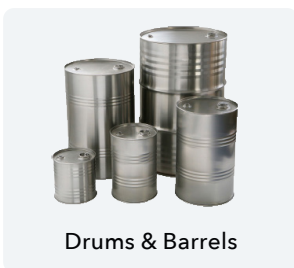
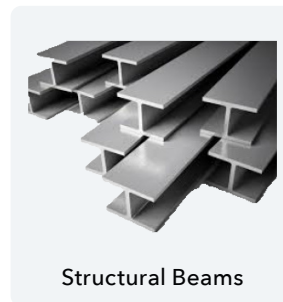
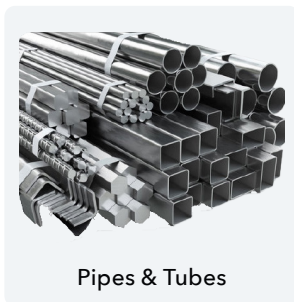
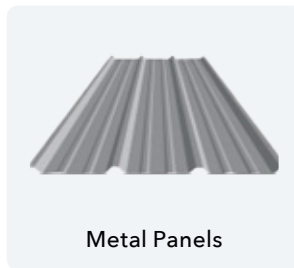
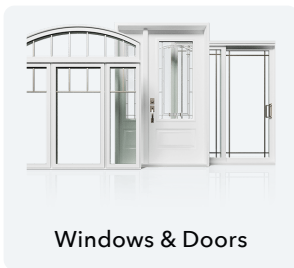
OVERVIEW

Our in-line sandblasting cabinet solutions have the potential to automate your surface treatment applications while producing steady results from the first to the last part, effortlessly!

In-line sandblasting systems integrates seamlessly with your production line while keeping up with high throughput production yields.

These systems are designed for continuous flow production of parts varying in shape, size, and complexity.

COMMON APPLICATIONS



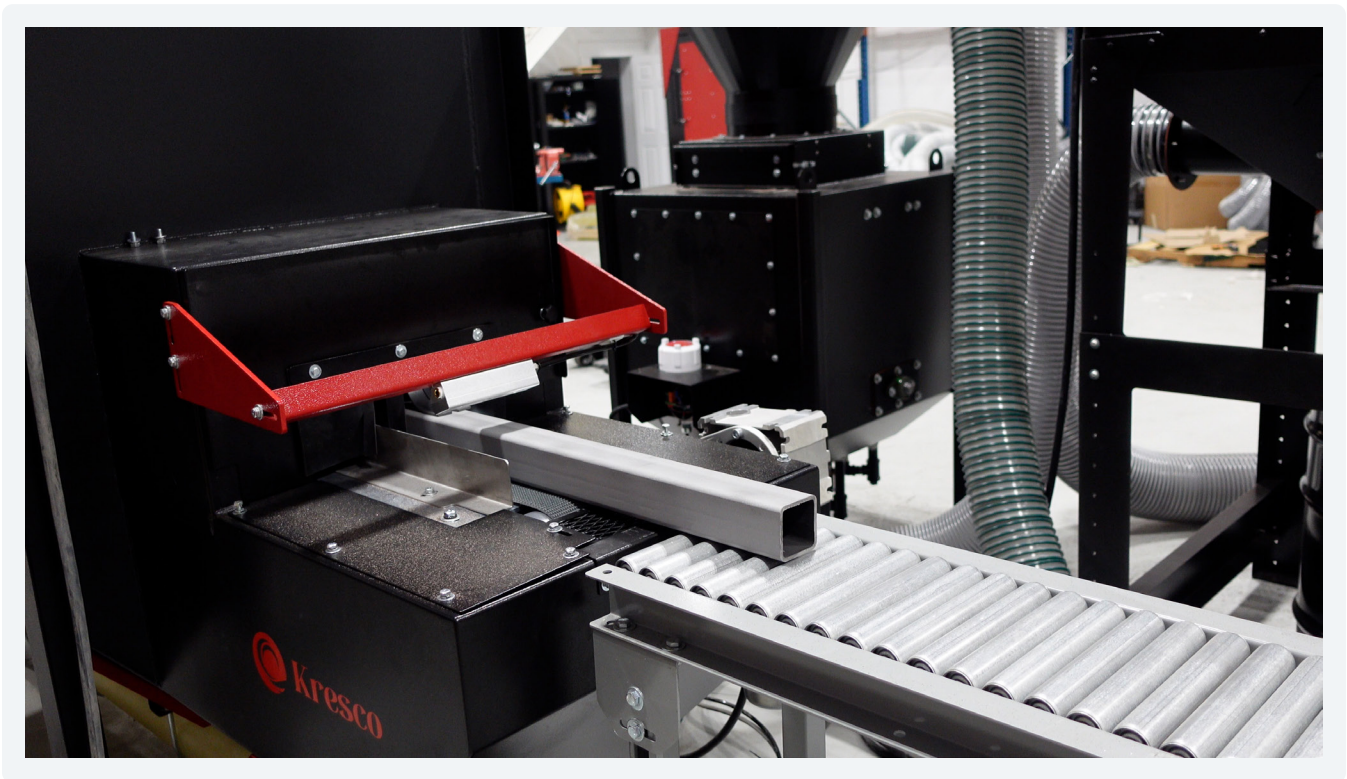
HOW IT WORKS

Parts travel through the blasting area on a conveyor. Parts can be loaded/unloaded manually, or automatically with the mean of various parts handling devices.

Inside the blasting chamber, parts travel through a set of sandblast nozzles mounted in various arrangements (fixed, moving, oscillating, rotating head, etc.). In combination with the conveyor traveling speed and type, workpieces are exposed evenly on all surfaces in one passage most of the time.

The shape/size/weight of the parts, process requirements, production rate target, and feeding method will influence the machine's final design.

The dust is controlled by a powerful cartridge dust collector and is kept inside the blasting chamber by the mean of rubber curtain and air knives located on both ends.

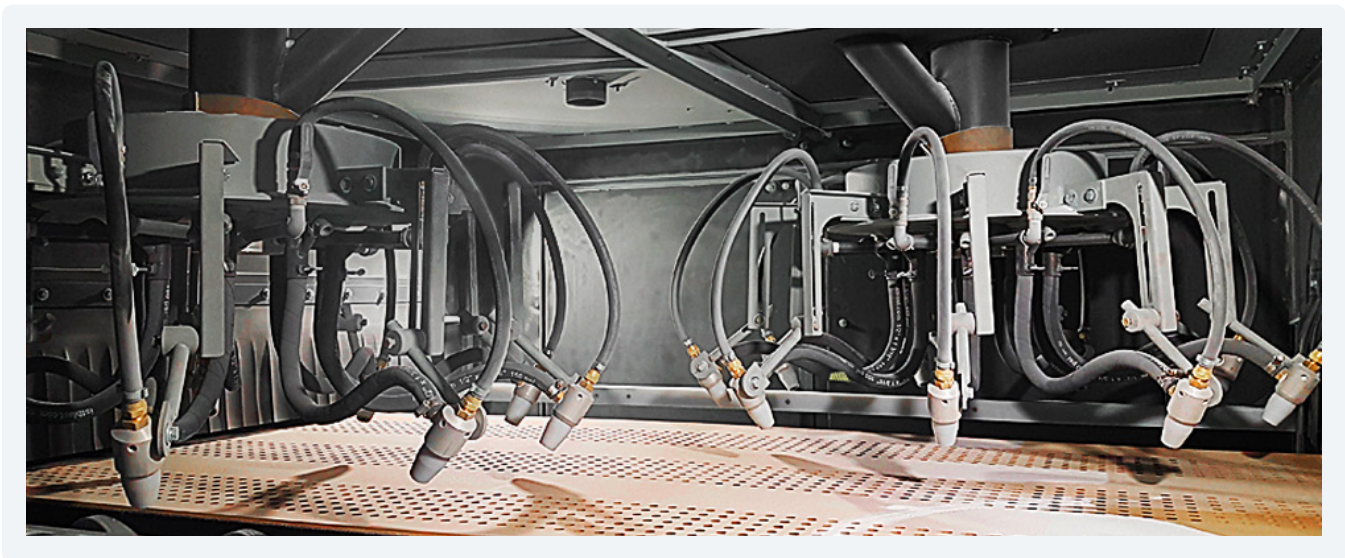
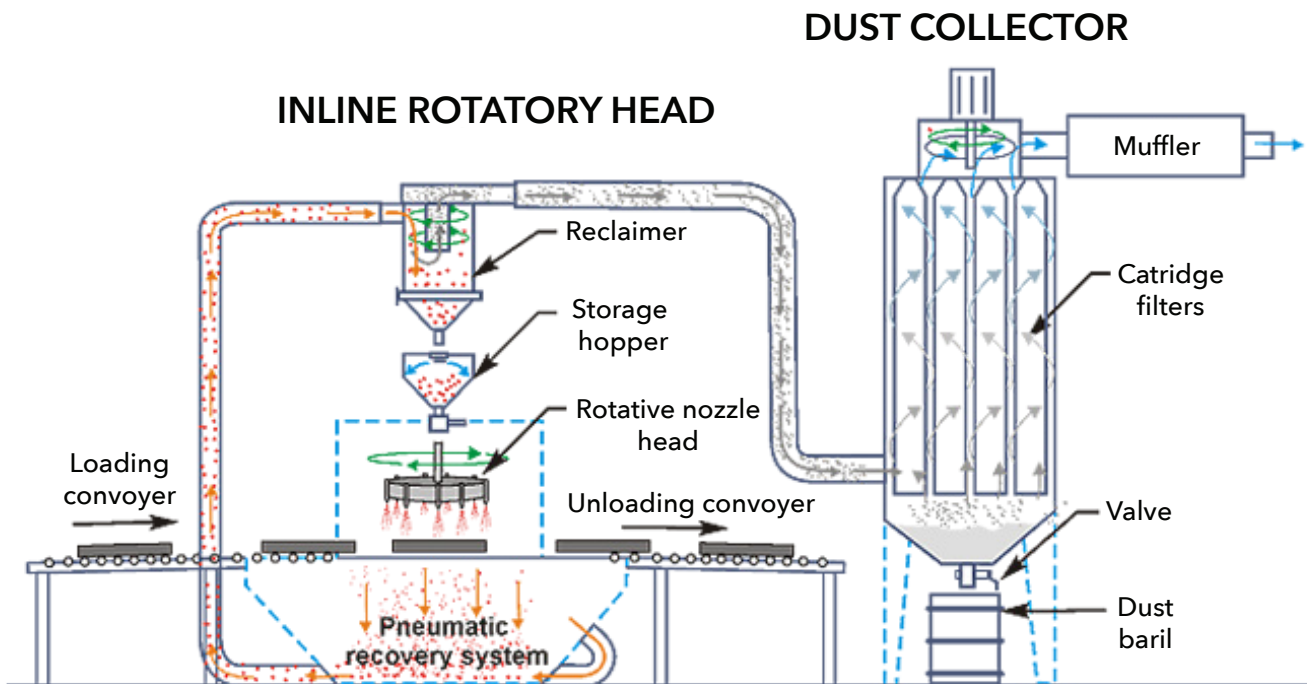


ROTARY HEAD NOZZLES DESIGN

The rotary head consists of a rotating crown fitted with four to five adjustable sandblast guns supplied from a storage hopper located above it.

The rotary head can process parts up to 3 feet wide at a rate of up to 40 feet per hour (depending on the application and the parts shapes and dimensions).

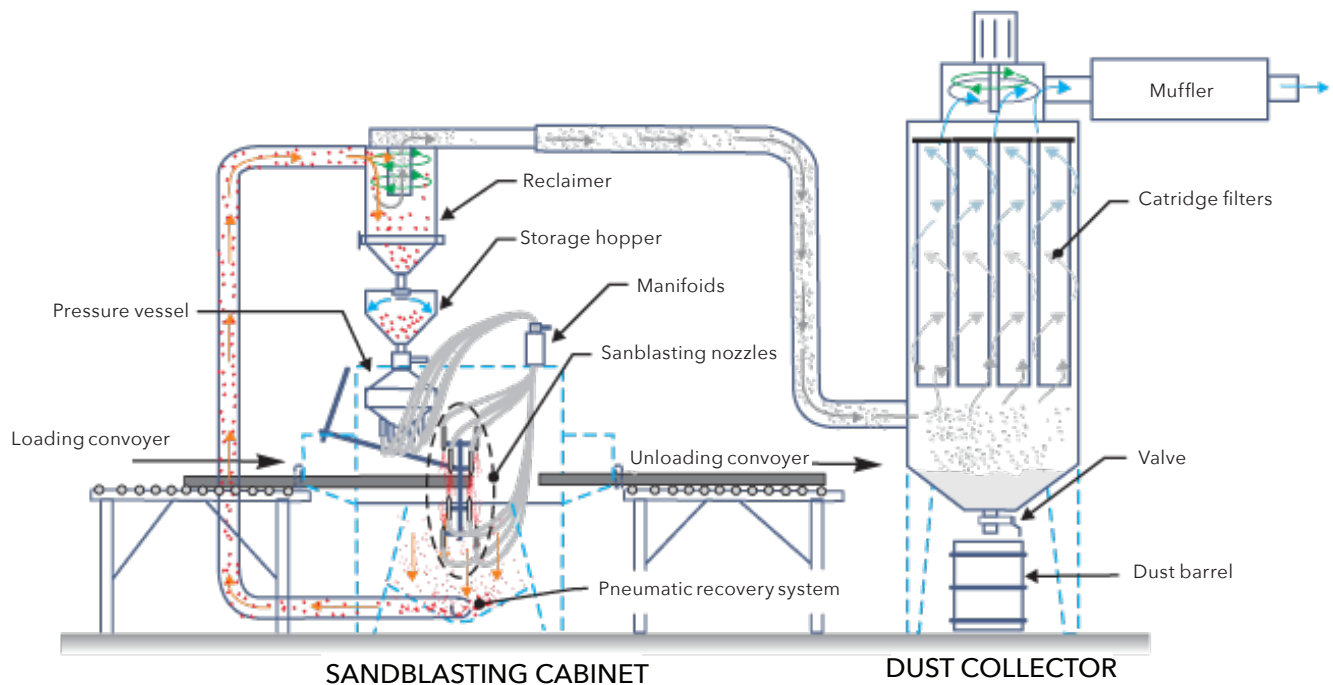
It is suitable for flat surfaces and relatively large parts, such as windows and doors, metal sheet panels, etc.



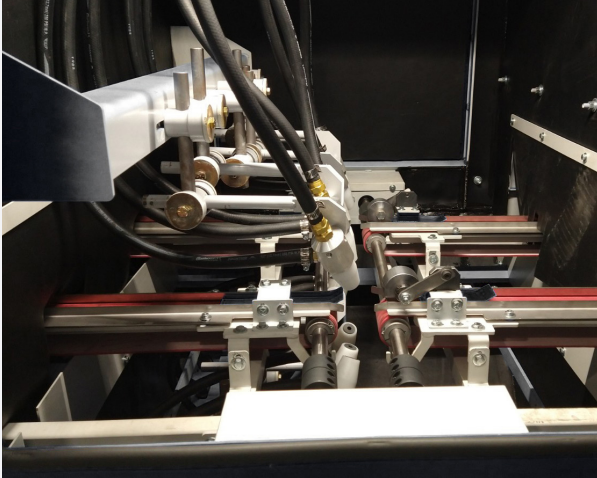
FIXED NOZZLES DESIGN

Cylinder-shaped parts (like tubing, extrusions, pipes, etc.) can be processed by a variety of nozzles arrangements - from fixed nozzles to nozzles oscillating on a vertical or horizontal axis or fitted on a rotating ring. Possibilities are endless.

In many cases, all surfaces of the parts can be processed in one passage, either from nozzles located underneath the parts as they pass through the blasting chamber or from special shaped roller conveyor that keeps parts rotating on themselves as they travel.



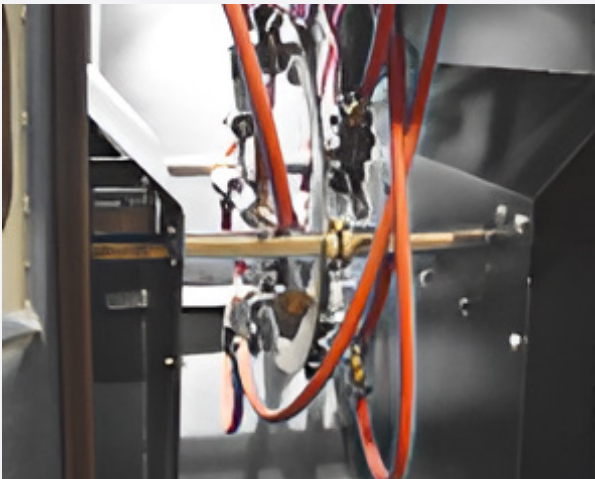
DIFFERENT NOZZLES ARRANGEMENTS



**FIXED NOZZLES FOR
TOP & BOTTOM COVERAGE**



**CIRCULAR OSCILLATING NOZZLES ON
RING FOR 360 COVERAGE**



**CIRCULAR NOZZLES
FOR 360 COVERAGE**



**FIX OR OSCILLATING NOZZLES TO
COVER BOTH SIDES OF MOVING PARTS**

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



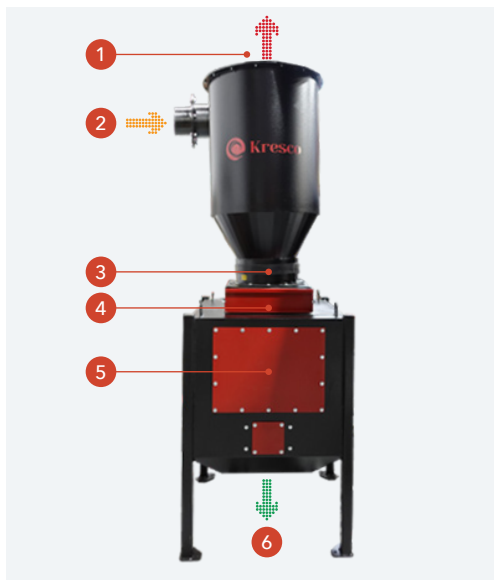
EFFICIENT MEDIA RECOVERY SYSTEM

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		

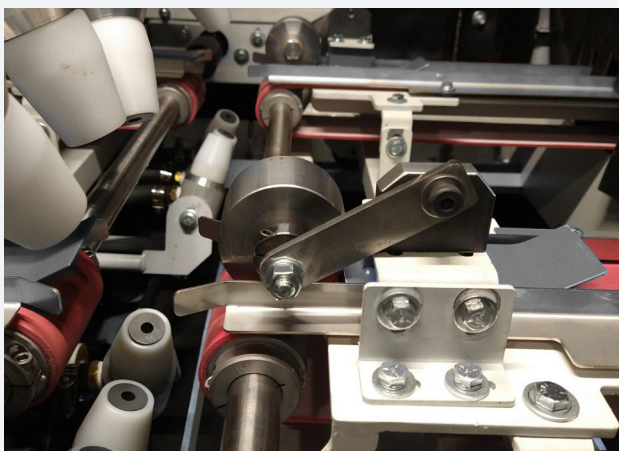
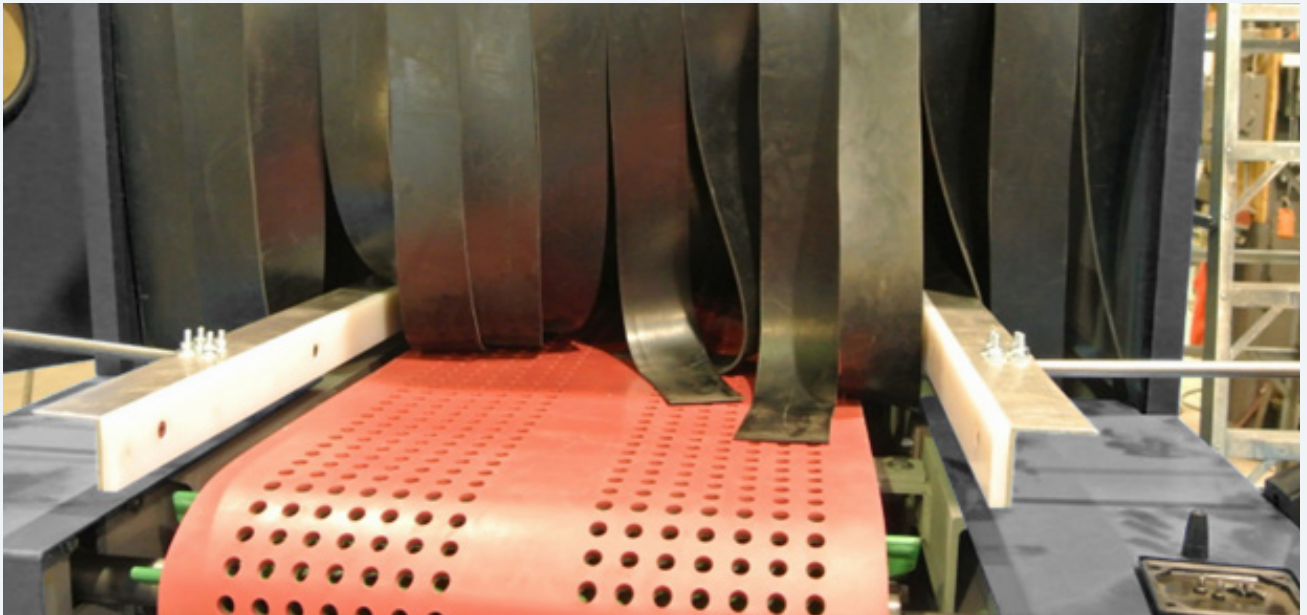
* Adjustable legs to be assembled on site

CONVEYOR SYSTEMS

Several types of conveyor systems are available to move your parts through the production line with optimal efficiency and exposure to the blast stream.

Our conveying solutions also include the means to **rotate parts as they travel or flip them** in order to expose all sides to the blast stream, as well as guides to help them remain within the blasting area.

Optional loading/unloading systems are available to facilitate feeding the machine and slow parts down as they exit the blow-off cleaning station.



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

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

Painting

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

Solvent Recovery

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

Parts & Consumables

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

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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