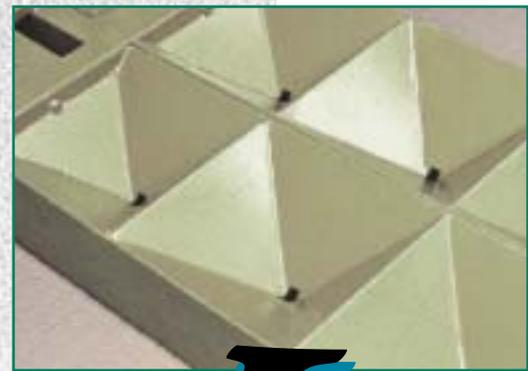
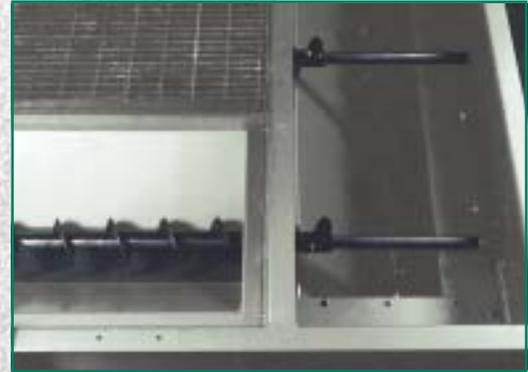


# INDUSTRIAL

## *Blast Facilities*

by Clemco Industries Corp.

**The Performance System**



**Sweep-In**  
Abrasive Recovery Systems

# Sweep-In

## Abrasive Recovery Systems

**Save Time and Labor**  
**Reduce Abrasive Costs**  
**Reduce Disposal Costs**

*with economical,  
low-maintenance sweep-in  
recovery systems*

### Cost Saving & Productivity Gains

Installing a sweep-in recovery system allows you to select from a wide range of recyclable blast media – glass bead, aluminum oxide, plastic, steel shot & grit, cut wire, and more.

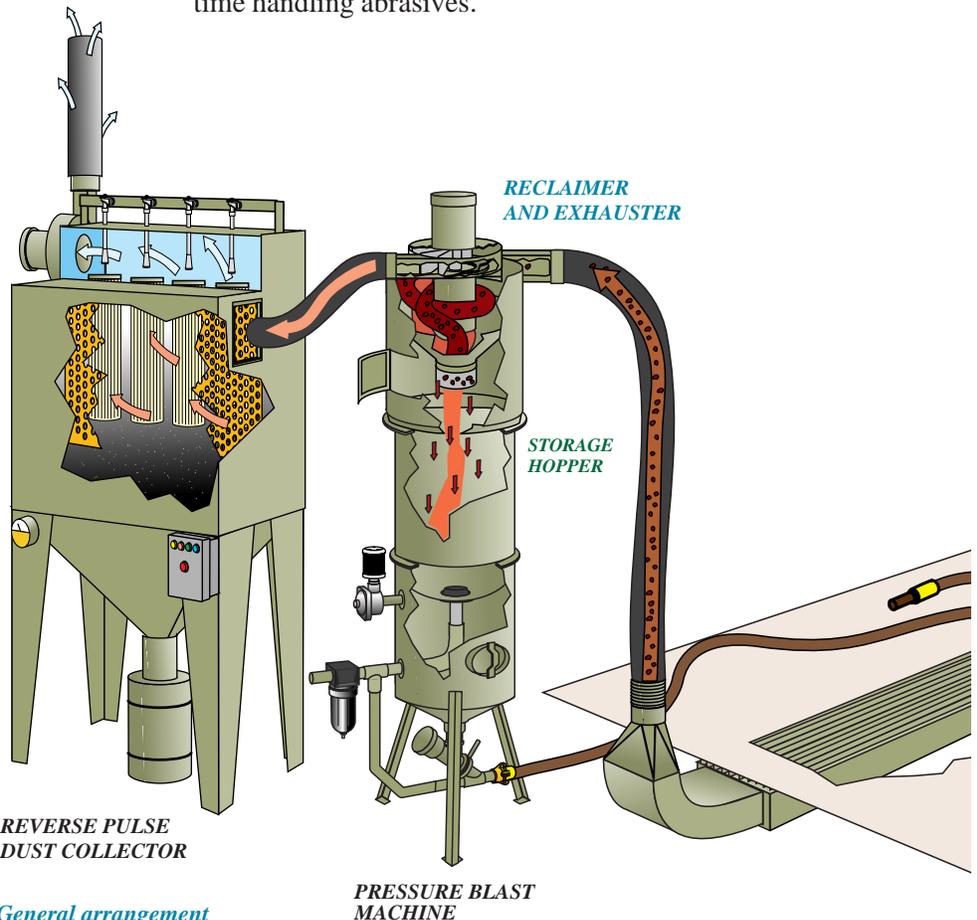
Expendable abrasives are inexpensive and widely available, but they break down rapidly often after just one use. The used abrasive dust must be packed for disposal, possibly as hazardous waste if it contains paint dust.

Recyclable abrasives cost more to buy, but can cut your annual media costs. For example, steel grit costs about ten times more per ton than mineral abrasives, but can be recycled hundreds of times. Depending on the application, steel grit cleans at rates comparable to mineral abrasives. And when the steel grit does break down, the dust and fine particles are carried automatically to the dust collector and are deposited in the dust drum for disposal.

Stop blasting outdoors, where wind and rain dictate your schedule. A sweep-in recovery system, with a high-efficiency dust collector, is an economical alternative to a full-floor recovery system. It can be installed in an existing blast room or ordered with a new room. Blast all day, even round the clock, when production needs demand it — without stirring discontent among your neighbors or the EPA.

A sweep-in recovery system automatically cleans recyclable abrasives and transports the good media to the blast machine. Your operators blast until media builds up on the enclosure floor; then they use brooms, shovels, compressed air, even small tractors to push the abrasive into the recovery system.

By cleaning and recycling the abrasive, a sweep-in recovery system saves material costs, compared to using expendable abrasives. And, with a sweep-in system you spend more time blasting, less time handling abrasives.

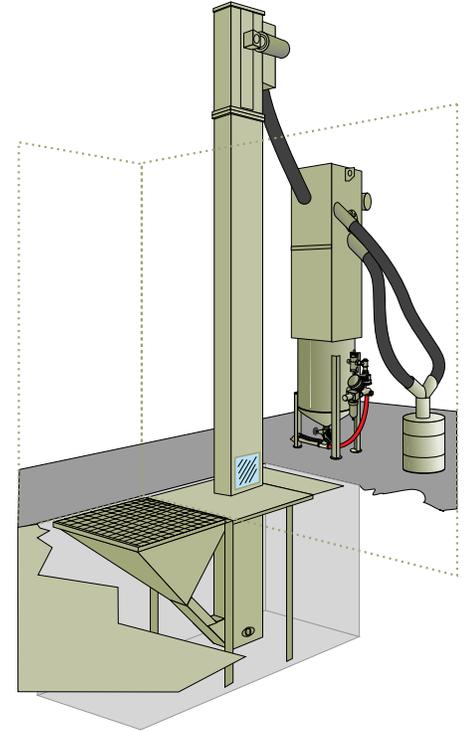


# Standard and Custom Sweep-In Models

## M-SECTION® Systems for glass bead, plastic media and aluminum oxide



Our standard sweep-in M-Section® pneumatic recovery systems efficiently recover and recycle most medium and low-density blast media, such as glass bead, plastic, and aluminum oxide. The recovery section can be placed in a shallow channel, just 10 inches deep, for a true sweep-in operation, or surface mounted where conditions will not allow excavation.



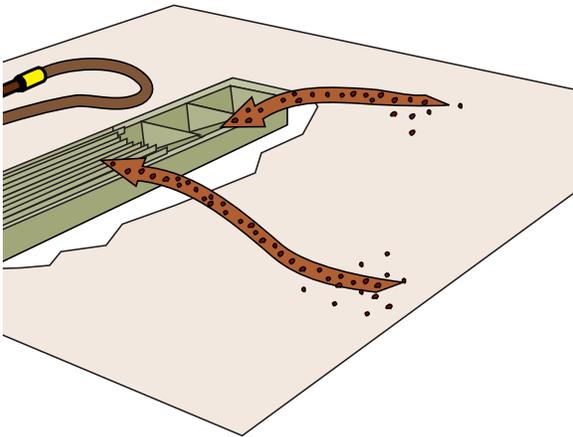
3 X 3 HOPPER SYSTEM

## HOPPER Systems for steel grit and shot



Our hopper and bucket elevator recovery systems process up to 180 cubic feet per hour of dense and coarse media, such as steel grit and shot. With the 3 ft. x 3 ft. hopper system, flush mounting requires a pit just 4 1/2 feet deep. Where a high water table prevents excavation, the smaller 2 ft. x 2 ft. system can be wall-mounted and shovel fed.

## SCREW CONVEYOR Systems for steel grit and shot

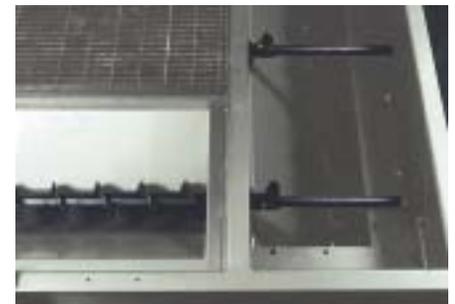


M-SECTION

Designed primarily for use with steel grit and shot, our screw conveyor recovery module with bucket elevator can continuously reclaim up to 180 cubic feet of media per hour.

Available in standard lengths of 8, 12, 20 ft., and up to 50 feet by special order, screw systems feature rigid helicoid 6-inch by 1/4-inch thick flights. Built-in metering plates eliminate concerns of overloading – even with a frontloader filled with steel grit.

Because they are used most often with steel grit and shot, most screw recovery modules are mounted in a pit so the heavy media can be pushed into them with skidloaders or other methods.



# Specifications and Options

	M-SECTION®	HOPPER	SCREW CONVEYOR
<b>Floor System Components</b>	12-in. wide "M" shaped recovery channel	2 ft. x 2 ft. surface-mount hopper, or 3 ft. x 3 ft. recessed hopper	6-inch x 1/4-inch thick screw flight; 3 hp motor, 30:1 gear reducer
<b>Floor Size</b>	1 ft. wide by 8 ft., 10 ft., or 12 ft. long	N/A	3 ft. wide x 8 ft., 12 ft., or 20 ft. long
<b>Grating</b>	2000 lbs/ sq.ft. uniform load	250 lbs/ sq.ft. uniform load	250 lbs/ sq.ft. uniform load
<b>Media Recovery</b>	Vacuum duct to media reclaimer. (2 hp motor mounted on reclaimer with optional dry filter.)	Bucket elevator with poly buckets on 4-inch wide belt; 1 hp motor	Bucket elevator with poly buckets on 4-inch wide belt; 1 hp motor
<b>Media Cleaning</b>	Adjustable cyclonic separator with wear plate	Air-wash abrasive cleaner; 1/4 hp motor	Air-wash abrasive cleaner; 1/4 hp motor
<b>Media Storage</b>	12 cu.ft. total (6 cu.ft. hopper atop 6 cu.ft. blast machine)	16 cu.ft. total (10 cu.ft. abrasive cleaner atop 6 cu.ft. blast machine)	62 cu.ft. total (56 cu.ft. storage hopper, atop 6 cu.ft. blast machine)
<b>Dust Collection for media cleaning system</b>	900 cfm dry filter or self-cleaning RP-cartridge collector (2hp motor mounted on RP collector)	Room ventilation system See options below.	Room ventilation system See options below.
<b>Blast Machine</b>	ASME-code 6 cu.ft. capacity, 24-inch diameter blast machine with pneumatic remote controls, 1-1/4" ID x 50 ft. coupled blast hose and TXP-6 nozzle		
<b>Electrical Specifications</b>	208/230/460 volt, 3 phase, 60 hz. Specify requirements at time of order.		
<b>Options</b>	<ul style="list-style-type: none"> <li>• Rubber-lined reclaimer for aggressive media</li> <li>• 12 or 18 cu.ft. storage hopper to extend blasting time between recovery cycles</li> <li>• Shed plates to enhance access to surface-mounted recovery channel</li> </ul>	<ul style="list-style-type: none"> <li>• 600 cfm abrasive-cleaner dust collector with 1 hp motor or RP-cartridge collector with 1 hp motor (required if room ventilation system cannot accommodate abrasive cleaner ventilation)</li> </ul>	<ul style="list-style-type: none"> <li>• 600 cfm abrasive-cleaner dust collector with 1 hp motor or RP-cartridge collector with 1 hp motor (required if room ventilation system cannot accommodate abrasive cleaner ventilation)</li> <li>• 100 or 200 cu ft. storage hopper</li> </ul>
<b>Operator Safety Equipment</b>	Clemco offers a complete line of Apollo respirators for high- or low-pressure air supplies, air pumps, breathing air filters, blast suits, gloves, and replacement parts.		
<b>Start-Up Supervision</b>	Supervision is available to check installation and to train you to operate and maintain the facility.		
<b>Reverse Pulse Dust Collectors</b>	Available in customized sizes to ventilate your entire blast room.		

## Outstanding Distributor Support

Our Authorized Distributors can help you plan the blast facility that works best for your application and budget.

Call 636 239-8135 for the name of your local Distributor and a free Industrial Planning Guide. Visit us online at [www.clemcoindustries.com](http://www.clemcoindustries.com).

*ISO 9001-2000 certified. Clemco is committed to continuous product improvement. Specifications are subject to change without notice.*

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