

# CLEMCO®



## **Educt-o-Matic**

**Hand  
Portable  
Suction  
Blast  
Tool**

## **Comet**

**Portable  
Suction  
Blast  
Tool**

## **Super Comet**

**Portable  
Pressure  
Blast  
Tool**

**CLEMCO®**  
INDUSTRIES CORP.  
The Performance System

# Small Closed-Circuit Abrasive Blast Equipment

# Simple, Reliable Blast and Recovery Systems

## *Perfect for*

- *Welding operations*
- *On-site glass & stone etching*
- *Small paint stripping jobs*
- *Touch-up work after big jobs*
- *Ships and offshore platforms*
- *Farms and machine shops*
- *Rental outlets*



*Educt-O-Matic with flat-lip attachment for smooth surfaces.*



*Optional Educt-O-Matic attachments.*

**C**losed-circuit blasting improves the strength and appearance of any weld – by removing corrosion and impurities from surfaces before welding and cleaning spatter after welding.

These tools use compressed air and recyclable abrasive to quickly clean and etch metal, masonry, glass, and other durable surfaces.

Because these specialized systems automatically recover and recycle the abrasive, they do not expose the operator, or others in the area, to significant levels of dust and abrasive and do not contaminate surrounding areas.

You select the abrasive size, abrasive flow rate, and blast pressure to create intricate works of art or just make fast work of a rusted fender.

Consult your Clemco distributor for appropriate selection. Do not use silica sand or any abrasive that contains more than one percent free silica for abrasive blasting.

By automatically recycling the abrasive, a closed-circuit blast system lets you blast for extended periods without stopping to refill.

These continuous automatic recycling systems reduce the amount of abrasive to buy, eliminate sweeping and shoveling, and minimize abrasive disposal costs.

Closed-circuit blasting does not interfere with painting or other work in progress. It contains the abrasive and dust to keep them from contaminating other areas of the work site.



*Specialized brushes allow the Comet to clean inside angles, outside angles, smooth, and uneven surfaces.*



*Super Comet with inside angle brush cleans a path 1-inch wide up to 72 inches per minute.*



# Simple, Reliable Blast and Recovery Systems

## Educt-O-Matic



*Educt-O-Matic with angle attachment for inside corners.*

Clemco's smallest closed-circuit tool, the hand-portable Educt-O-Matic goes anywhere and operates on just 90 cfm of air at 90 psi.

The operator controls blasting and recovery with a trigger handle. Pulling the trigger just slightly starts the vacuum recovery. Pulling the trigger all the way starts the suction blast system.

The compact conical hopper contains the abrasive and meters it into the blast system. Air rushing through

the Educt-O-Matic's mixing chamber draws the abrasive into the airstream and propels it out the nozzle.

The blast head swivels to allow blasting at any angle and the rubber boot traps the dust and abrasive. The vacuum captures the reusable abrasive particles and sends the dust and broken abrasive to the dust bag.

The Educt-O-Matic cleans an area about one inch wide. After blasting, the operator releases the

trigger about halfway to stop blasting, but continues vacuuming for two or three seconds to recover any remaining dust and abrasive. Fully releasing the trigger stops the vacuum system.

The Educt-O-Matic is designed for use with steel and iron grit. The simple cotton bag traps dust.

## Comet



The Comet packs the power of an industrial suction blast, recovery, and reclaim system into a package not much larger than a shop vac.

The wheel-mounted Comet includes its own pressure regulator, pressure gauge, and moisture separator. The 150-cfm media reclaimer operates on household current – 115v, 1 Ph, 60 Hz. The dust collector houses 14 cotton sateen tubular filters.

With 20 feet of recovery hose, the Comet lets the operator move unencumbered about the work site. The operator turns on the electric power to begin vacuum recovery, then starts and stops blasting with an in-line switch at the blast head.

A flexible non-marring brush on the blast head contains the dust and abrasive, and glides smoothly across most surfaces. Specialized brushes allow the Comet to

clean inside angles, outside angles, and uneven surfaces. A compartment atop the Comet stores extra brushes and other accessories.

The Comet uses 47 cfm of air at 80 psi, and cleans a path about 1-inch wide, at up to 36 inches per minute. It works best with fine mesh glass bead or aluminum oxide.

## Super Comet



*The dust collector houses 12 cotton sateen filter tubes.*

With a No. 3 nozzle, the Super Comet cleans a path about 1-inch wide, at up to 72 inches per minute.

The four-wheel cart moves easily on any smooth, level surface. With 20 feet of hose, the Super Comet lets the operator reach most surfaces with ease.

The built-in 1/2 cubic foot, ASME-coded pressure vessel features an adjustable metering valve that handles all common

recyclable abrasives, from coarse steel grit to fine glass bead and aluminum oxide. A storage hopper holds the recovered media and automatically refills the pressure vessel each time the operator releases the remote control handle. The system has a built-in moisture separator, pressure regulator, and gauge.

The Super Comet uses a tungsten carbide blast nozzle to deliver a high-velocity stream of abrasive

to the surface being cleaned. Brushes trap the dust and abrasive, and let the blast head slide smoothly over most surfaces.

For use with aluminum oxide media, the Super Comet can be fitted with a boron carbide nozzle and inner tube to reduce wear.

The dust collector houses 12 cotton sateen filter tubes. These tubes trap the dust and fines, and drop them into a slide-out tray for easy disposal.

# Specifications

	<b>Educt-O-Matic</b> Hand Portable Closed-Circuit Suction Blast Tool Stock No. 00751	<b>Comet</b> Portable Closed-Circuit Suction Blast Tool Stock No. 12542	<b>Super Comet</b> Portable Closed-Circuit Pressure Blast Tool Stock No. 12546
<b>Blast System</b>	Suction Blast 1-1/2 cups capacity	Suction Blast 5 lb full charge capacity	Pressure Blast ASME-coded Vessel 1/2 cu ft capacity
<b>Suggested Blast Media</b>	Steel and iron grit 40 to 100 mesh	Recyclable, non-metallic media – fine mesh glass bead or ALOX (for ALOX or other aggressive media, use a boron carbide nozzle & inner tube)	Most recyclable media 60 to 280 mesh
<b>Closed-circuit Blast Head</b>	Rubber containment with 3/8-inch suction blast nozzle and 3/16-inch suction jet	Rubber and Brush containment with 3/8-inch suction blast nozzle and 3/16-inch air jet	Rubber and Brush containment with 3/16-inch pressure blast nozzle (1/4-inch nozzle available)
<b>Air Consumption</b>	90 cfm @ 90 psi	47 cfm @ 80 psi	38 cfm @ 80 psi w/#3 nozzle 68 cfm @80 psi w/#4 nozzle
<b>Media Reclaimer</b>	Internal, via eduction	150 cfm cyclone	150 cfm cyclone
<b>Dust Collection</b>	1 Dust bag	14 Filter tubes	12 Filter tubes
<b>Construction</b>	Steel and aluminum body	16-gauge steel, mounted on frame with two 6-inch wheels and two legs	12-gauge steel, mounted on frame with four 6-inch wheels
<b>Electrical</b>	No electric power required	115/1/60	115/1/60
<b>Dimensions</b>	26" h x 12" w x 11" d	36" h x 22" w x 32" d	51" h x 24" w x 68" d
<b>Shipping Weight</b>	12 lbs (1 cardboard carton)	235 lbs (Shrink-wrapped on pallet)	850 lbs (Shrink-wrapped on pallet)

Note: For safe, efficient blasting, read and follow the owner's manual and seek training for everyone who will use this equipment.

**Authorized Distributor:**

**FORTNA EQUIPMENT CO.**  
2985 S. Wyandot Street  
Englewood, CO 80110  
303-756-6066  
[www.fortnaequipment.com](http://www.fortnaequipment.com)

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info@clemcoindustries.com • www.clemcoindustries.com