

# MARS

## Modular Abrasive Recycling System



### MARS CRS-EL • Blasting, Recovery, and Recycling for Small to Medium Jobs

When the contract calls for removal of lead-based coatings, the Clemco MARS CRS-EL can keep your projects on time and under budget.

This economical, turn-key system includes a 7-cubic-foot blast machine, 16-cubic-foot storage hopper, and pneumatic, pressure-release remote controls for extended blasting time and safe operation. Two powerful vacuum producers use your existing air supply to power the recovery.

The air-wash classifier with 24-cubic-foot expansion chamber processes up to four tons of contaminated steel grit per hour.

Three modern reverse-pulse cartridge dust collectors ensure compliance with emissions requirements during abrasive recovery and classification.



Pallet mounted Blast Machine & Storage Hopper



MARS CRS-EL  
mounted on truck

All MARS systems represent proven performance in actual blasting conditions. They handle real-world debris, things that can bring lesser machines to a grinding halt. With high conveying and cleaning rates and minimum downtime, the MARS CRS-EL makes hazardous coatings removal projects more manageable.



# MARS

## Modular Abrasive Recycling System

*The Clemco MARS Blasting, Recovery, Cleaning, and Recycling System.*

*Proven, on the job, to protect the environment, your employees, and your bottom line.*

The MARS CRS-EL conveys and cleans up to 4 tons of dust- and debris-laden steel grit per hour. Components have been proven in years of fixed-site installations. MARS CRS-EL performance stands up to the demands of actual blasting.

Built-in reverse-pulse cartridge dust collectors trap the dust removed from the steel grit. Multi-step cleaning process separates rocks and road debris in the early stages to reduce the volume of hazardous material for disposal and minimize rock damage to air wash screens. Super-efficient air wash cleans lead dust from steel grit in one pass. The CRS-EL includes two reverse-pulse cartridge collectors for recovery, and one for air wash.

A 24-cubic-foot expansion chamber above the air-wash classifier traps the large debris, which can be removed by vacuum through a side access door. The contaminated steel grit is then screened at the top of the air wash, then any remaining dust or oversize particles are removed as the abrasive cascades over a series of baffles and through a final screening. Vacuum carries the cleaned steel grit to the storage hopper above the blast machine.

## TECHNICAL DATA

### MARS Abrasive Blasting, Cleaning and Recycling System - Model CRS-EL

<b>Dimensions for Standard Skid Mounting:</b>	13 ft long x 8 ft wide x 10 ft - 4 in high
<b>Optional Trailer:</b>	13 ft long x 8 ft wide x 13 ft - 4 in high, 1/4" thick steel deck, 7 ton GVW, DOT approved, dual axle, single wheel with electric brakes and pintel hook
<b>Weight:</b>	5,650 lbs
<b>Conveying Capacity:</b>	4 tons per hour at 75 ft
<b>Abrasive Cleaning Capacity:</b>	4 tons per hour, actual (steel grit)
<b>Expansion Chamber Capacity:</b>	24 cu ft
<b>Dust Collectors:</b>	
Abrasive Recovery :	2 Reverse-pulse Cartridge Collector (dual cartridge)
AWAC Abrasive Cleaner:	1 Reverse-pulse Cartridge Collector (dual cartridge)
Capacity:	150 square feet of filtration area each (2-to-1 air-to-cloth ratio)
<b>Air Requirement:</b>	900 cfm
<i>Note: The MARS CRS-EL should be used in conjunction with a separate system for containment ventilation and dust collection</i>	
<b>Blast Machine :</b>	
Blast Machine Capacity:	7 cu ft - single or double outlet
Blast Machine Storage Hopper Capacity:	16 cu ft
Remote Control System:	Clemco TLR-300 Sentinel System with a 50 ft. air hose extension.
<b>Power:</b>	Two 290 cfm Vacuum Producers
<b>Optional Dryer:</b>	430 cfm

Clemco equipment is backed by more than forty years of experience in the abrasive blasting equipment industry, and more than twenty-five years building steel grit recycling systems. Supported by our Customer Service staff and Service Technicians, Clemco is ready to provide fast, efficient support.

As part of our service and training commitment, a Clemco technician will spend one day at the job site training your personnel on the operation and maintenance of your MARS CRS-EL

©Clemco Industries Corp. 1993 • One Cable Car Drive • Washington, Missouri 63090 • (636) 239-0300 • Fax (636) 239-0999