

MARS

Modular Abrasive Recycling System



MARS CRS-35 • High Performance Blasting, Recovery, and Recycling for the Biggest Jobs

When the contract calls for removal of lead-based coatings, the Clemco MARS CRS-35 can keep your projects on time and under budget.

The MARS CRS-35 delivers proven performance on a massive scale. The powerful 3500 cfm positive displacement blower allows the CRS-35 to *continually* process 15 tons of contaminated steel grit per hour at substantially lower daily operating cost than venturi-powered systems. The CRS-35 has outlets for up to eight blast operators. An optional built-in air drying system protects your investment in steel media by eliminating moisture contamination.

The MARS CRS-35 — built tough to handle real-world recovery and equipped with the power to tackle the big jobs.



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***The Clemco MARS Recovery, Cleaning, and Recycling System.
Proven, on the job, to protect the environment, your employees, and your bottom line.***

The MARS CRS conveys and cleans up to 15 tons of dust- and debris-laden steel grit per hour. Components have been proven in years of fixed site installations. MARS performance stands up during actual blasting.

"During the blasting, the abrasive is clean from the beginning, so the men can see better when they blast and they do a better job. And, its also healthier for the men because all the contaminants are removed daily as its recycled."

Nick Capuzello
Quality Control Specialist
M&J Painting

Built-in reverse pulse jet cartridge dust collectors trap the dust removed from 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.

"Every test that we've done after using the Clemco machine, we've found no contaminants to be present at all."

An expansion chamber removes the majority of the dust when the grit and contaminants first enter the CRS. The dust-laden air goes to a cyclone separator, where much of the dust drops from the airstream, thereby prolonging the life and enhancing the effectiveness of the dust collector cartridges. The steel grit and large debris drop into a rotating screen drum that carries large particles to a debris drum. A proven, durable bucket elevator raises the steel grit to the top of the air wash where any remaining dust or oversize particles are removed as it cascades over a series of baffles. A second bucket elevator carries the cleaned steel abrasive to the storage hopper and blast machines.

TECHNICAL DATA

MARS Abrasive Cleaning and Recycling System - Model CRS-35

Dimensions:	48 ft. long x 8 ft. wide x 13.2 ft. high
Weight:	Dry weight: 52,000 lbs
Abrasive Cleaning Capacity:	15 tons per hour, actual (steel grit)
Conveying Capacity:	15 tons per hour at 150 ft. 12 tons per hour at 350 ft.
Dust Collectors:	
Abrasive Recovery Model:	Clemco Model RPH-8L (eight cartridges)
AWAC Abrasive Cleaner:	Clemco Model RPH-3L (three cartridges)
Storage Hopper Capacity:	200 cu ft.
Blast Capacity:	40 cu ft. total capacity (10 cu ft. each, four units)
Blower:	Positive displacement - 3,500 CFM at 15" HG
Power:	195 hp, 6-cylinder diesel engine, direct injection, aftercooled, turbocharged and air cooled
Electrical Motors:	15 kw generator set
Trailer:	38 ft. x 8 ft. steel bed, 1/4" thick steel deck, air brakes, DOT approved
GVW:	70 tons
Jacks:	Four provided
Available Options Include:	Air Drying System - 1700 - 2400 cfm Vacuum & blast hoses, nozzles, couplings, magnetic separator

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. With 380 Distributors nationwide, supported by our Customer Service staff and Service Technicians, Clemco is ready to provide fast, efficient, field support.

As part of our service and training commitment, a Clemco technician will spend up to five days at the job site training your personnel on the operation and maintenance of your MARS CRS-35

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