

The MARS CRS-35 blasts, recovers, and cleans steel grit abrasive. This portable, fully self-contained system processes up to 15 tons of lead contaminated steel grit per hour.

The system consists of the following:

Vacuum Module: M-D Pneumatics 3500 CFM rated positive displacement blower model 9027-46L2, powered by a Deutz diesel engine model BF6L913C, turbocharged and aftercooled, rated at 185 H.P. at 2500 RPM, 374 CID. A Clemco reverse pulse, high vacuum, cartridge type dust collector model RPH -8L and an expansion chamber with a pre-cleaner removes most of the dust from the media. A double flapper dump valve maintains constant vacuum to enable continuous recovery of spent abrasive. An in-line filter detects dust collector cartridge failure and shuts off the system to protect the blower. A 7 inch ID vacuum hose connects with three 4 inch OD short hoses, allowing up to three operators to simultaneously recover used media (vacuum hoses are not included)

Classifier: A rotating scalping screen discharges large debris into a drum for disposal. A bucket elevator transports remaining media to the AWAC air wash, where all contaminants and fines are removed and discharged to a drum and dust is carried to a RPH-3L reverse pulse cartridge type collector. Vacuum for the air wash is provided by an 1800 CFM blower. A vibratory screen allows for only properly sized grit to reach the storage hopper. Grit is conveyed to the storage hopper by a bucket elevator and a horizontal auger. The design of the hopper insures even distribution of media to all four blast machines.

Blasting Module: A 200.0 cubic foot storage hopper, mounted atop four 10 cubic foot blast machines, allows for extended blasting. Total nominal steel grit capacity is 30 tons. Each blast machine has two outlets, for a total of eight nozzles. Pressure hold, 120 volt electric remote controls with 50 feet of cord are supplied. Blast machine depressurizes automatically when both operators stop blasting but stays pressurized if only one operator stops. Blasting pressure is up to 150 PSI.

Electrical Unit: The three phase, 240/416 volt, 60 Hz generator, 12 lead MAC set is rated at 15Kw. It is powered by a Deutz diesel engine model F3L1011, 125 cubic inch displacement, three cylinders, air-cooled. A three sided weather enclosure protects the unit from the elements. A 110 volt panel permits control of all components from one position for simultaneous blasting, recovering and classifying.

Trailer: The trailer is D.O.T. approved, fifth wheel hookup, model R60P3SD, manufactured by Traile-Eze. GVW is 141,200 lbs. 38 feet long by 8 feet wide, with triple 25,000 lb. axles, dual cast spoke wheels 8.25 x 22.5, air brakes and TR8750 spring suspension, 255-70R-22,5, 16 ply radial tires, six leveling jacks and wheel chocks. 1/4" steel tread deck. Trailer is designed to support a full load of media, any distance. A 10 feet by 8 feet steel deck is provided over the fifth wheel for storing vacuum hoses during transportation. Trailer carries a 5 year manufacturer's warranty.

Weight and Dimensions: 48 feet long by 8 feet wide by 13.2 feet high.

Dry Weight: 52,000 Lbs.

NOTE: Transporting the equipment with media in it may exceed over the road weight limitations. It is the owner's responsibility to obtain all necessary permits in order to comply with DOT regulations.

Complete package: All interconnecting hoses and electrical wiring are included. One special debris drum with lid, one 7 inch ID vacuum hose adaptor, three 4 inch OD media pickup tools are supplied. Also included is start-up supervision. A technician will spend up to five days at the job site training your personnel on the use and maintenance of the equipment.

Optional Equipment and Accessories: Vacuum and blast hoses, nozzles, couplings and remote control extension cord per current Clemco price list. Magnetic Separator, and Air Dryer, per quotation.