

MACHINES & more Catalog

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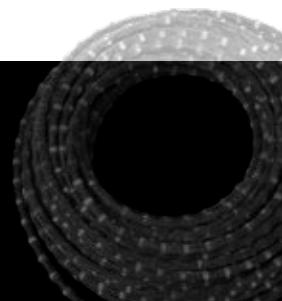
## PENNSYLVANIA

Montrose, PA

888.278.8383

## Sales Staff

IL: 815.847.0080





Machines & more Catalog ©2023



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We have your **supplies** and spare parts to go with our equipment. And as always, we're here to help with service & support.



**QUARRY MACHINES:** all the equipment needed to quarry dimensional blocks of marble, granite and other stone types. Machine range includes a number of models of cutting machines using diamond wire, drilling machines and equipment for tipping and splitting

**STATIONARY MACHINES USING DIAMOND WIRE:** can square blocks upstream of primary saws and/or cut slabs and profiles for monumental and ornamental use. *In versions for both marble and granite. Electric motor or Diesel engine.*

#### TD 25

Diamond wire saw for block dressing and small cuts in the quarry.

#### TD 45-55-65

Diamond wire saw for cuts of all sizes.

#### TD 80 (-100)

Diamond wire saw for cutting large benches.

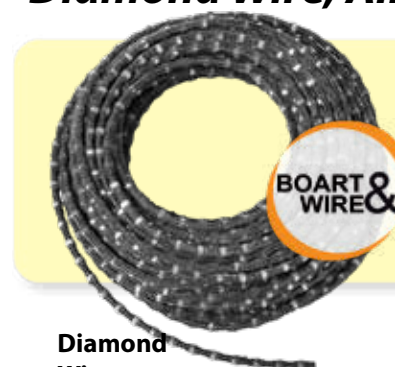
#### TDI 80 Plus

Remote control standard. Controlled by Amps and Load Cell.



Quarry Diamond Wire Saws

### Diamond Wire, Air & Water Bags...



Diamond Wire



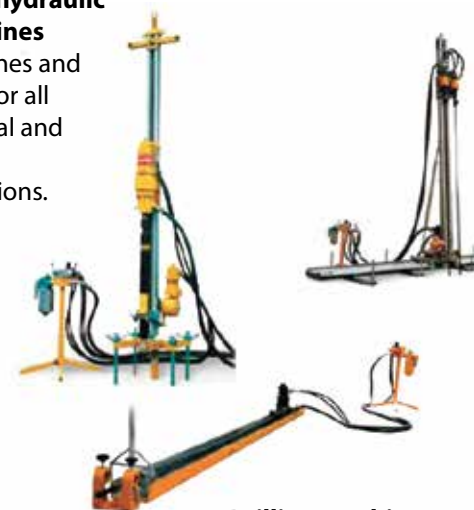
Hydro Bags by NEWTEC



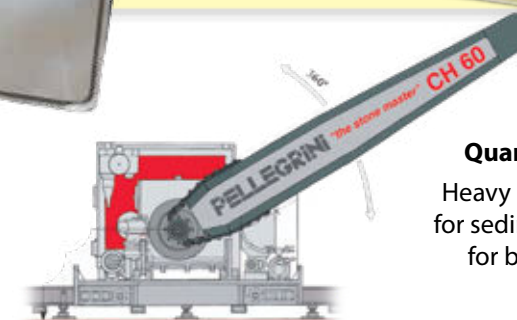
Air Bag  
• 3 ports  
• Fast release

#### Pneumatic & hydraulic drilling machines

Drilling machines and block cutters for all types of vertical and horizontal line drilling operations.



Drilling Machines



#### Quarry Chain Saw

Heavy duty chain saws for sedimentary stones; for both vertical and horizontal cuts.

**TBC 90** - Rail-mounted block cutter with one or two drills with thrust adjustment and air motor for travel along the rails. Kit for horizontal drilling.

**Slim Bar** - Light-weight rail-mounted block cutter, one drill, with thrust adjustment and air motor for travel along the rails. With a spherical coupling, can drill at any angle.

**Slim Driller** - Pneumatic drill fitted with a down-the-hole hammer for vertical and horizontal holes to pass diamond wire through massive rock.

Horizontal drill for rows of holes on the quarry-floor level.



Single wire saws

Used mainly for dressing and squaring blocks and for cutting slabs of any thickness.



**DF 2000**

DF 2000-2500-3000-3500

Single wire saw for dressing blocks and cutting slabs...

- Top Inverter or Fixed Wire Speed
- Two main large diameter flywheels (250 or 200cm, depending on maximum cutting height needed) to maximize the cutting speed and the life of the diamond wire. The wire tensioning system is hydraulic.
- Fitted with a fully electronic control and tensioning system and with a PLC for automatic slabbing.

**DF JOLLY**

Single wire saw for dressing blocks, but fitted with a 2-axis CNC system that enables cutting of two-dimension profiles as well as slabbing.

**DF 2000 Roller**

Set up multiple blocks along a bed for high production!

Entire machine moves down a set of rails.

Don't forget that we supply diamond wire and have an inventory of spare parts.



**Diamantfil DF 1200 SHV**

Multifunction stationary diamond wire saw

- Stone panels
- Slab Splitting
- Horizontal & Vertical cutting
- block dressing squaring
- production of slabs from one dimension stone block.

Heavy rigid structure, equipped with 20 ton block trolley. Gantry version also available.



**Diamantfil DF 1200 Jolly**

"Jolly" version adds profiling capability

- Splitting, Horizontal, Vertical cuttings
- 2 Dimensional shaping
- One machine solves all your needs
- Fixed & Gantry versions available



Pictures courtesy of Idaho Granite Works

Slabbing

Slabbing/Shaping





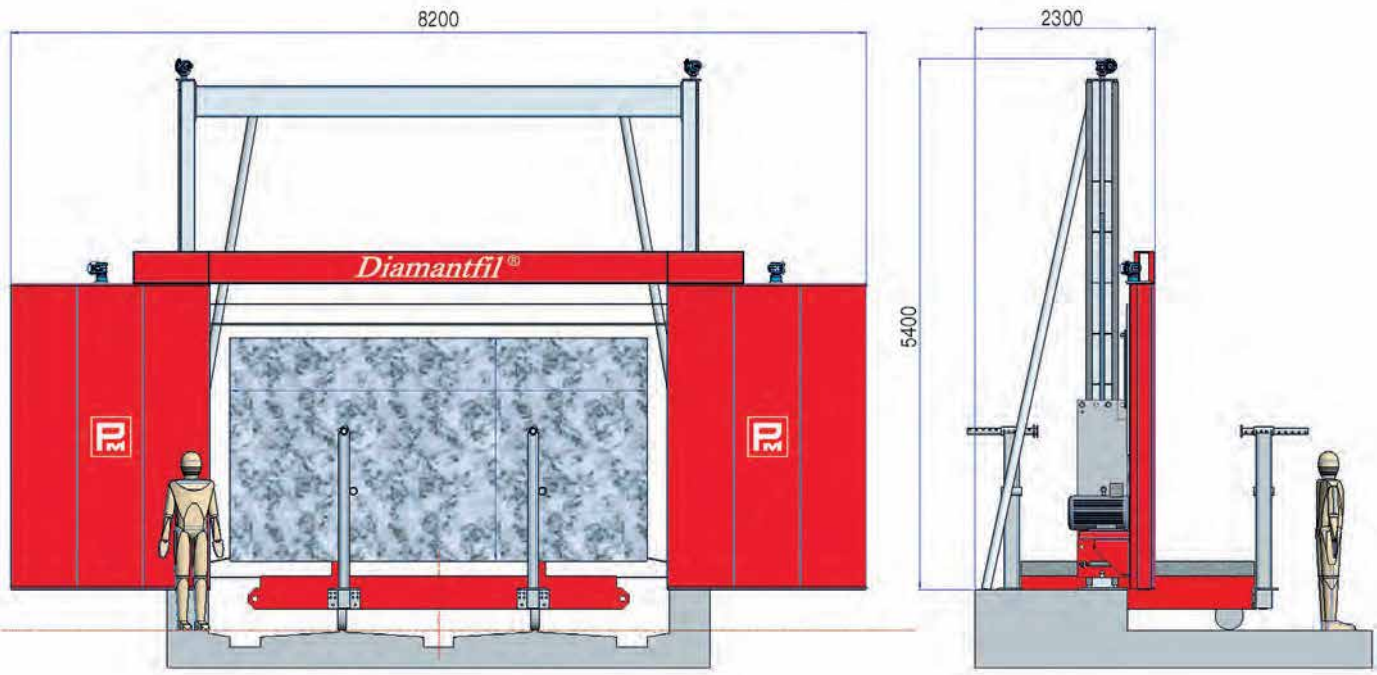
**The Compact Diamantfil®**

New **compact** single wire machine for block squaring, slabbing (and profiling for Jolly version). Innovation that performs better than ever!

DIAMANTFIL® & DIAMANTFIL® JOLLY – Monowire for squaring, slabs and profiling. Available both in stationary and gantry version (on Rollers), equipped with a compact structure and with four wheels, 120cm diameter (one of which is the motor, one is the tensioner and two are idle). The main motor is low power (11 kW) and the foundations are simple.

Wire speed is adjustable between 0–40 mt/sec through an inverter while the tensioning system is electronic for the best cutting precision and long life of the wire. This machine is already equipped with an automatic cutting system for a cycle of pre-selected slabs thicknesses.

The “Jolly” version with 4 CNC controlled axes adds two-dimensional profiling functionality.



4.1 meters cutting width (3 mt in Jolly version) • Main motor power 11 kW • Flywheels 1.2 meters • Cutting height .5 mt • Noise level: ~76 dB (A) • Wire speed 15-40 mt/sec • Diameter of wire 8.3 mm/Length ~20 mt • Weight ~3.5 tons

**TRIMWIRE Mobile Quarry Saw**

- 1000 mm diameter flywheel
  - 4m rail to cut different thicknesses
  - hydraulic drives
  - operated by radio control
  - moves on its own tracks via diesel engine
  - fits on a truck trailer
- The advantages of a stationary wire saw on tracks!*



- TRIMWIRE harmonizes the advantages of a stationary machine with a mobile quarry machine! Very unique, TrimWire is a single wire structure installed on a tracks vehicle equipped with a diesel engine that makes the system independent from any external energy source.
- Designed to be easily configured for transport on trailer from quarry to quarry.
  - 4 hydraulic stabilizers on the side of the block, cutting arch height and opening are adjusted to align the wire to the face of the block to be cut.
  - Vertical cuts are made by the arch structure moving along the column. Inclined cuts as well.
  - Motor flywheel 1000 mm diameter and guided by 600 mm diameter wheels.
  - The entire cutting structure can also move along the rails (4 meters) placed on the top of the vehicle to allow different thicknesses with a single positioning of the vehicle.
  - All the drives are hydraulic and the main controls are operated by radio control device.





Slabbing

**Multiple wire saws**  
To cut multiple slabs of thickness of usually ¾" or 5½".  
Various machine versions available for 2 to up to 72 wires.  
Multiwire for thick slabs.



**Polywire 5 S**  
This 5 diamond wire system combines production, flexibility and accuracy. Thicknesses ranges between 2.1-14.5 cm. Cuts either "cm" and "inch" sizes. Computer controlled. Uses guide wheel or guide drum.



- Multiple slabs in one cut
- Multiple thicknesses
- AT version has quick thickness change!



Patented "Multipull" bearings for independent tensioning of each wire.

**Pentawire 5/5**

- Multiwire system combines production and flexibility
- Equipped for up to 5 diamond wires
- Up to 5 diamond wires
- PLC control system
- Cuts either "cm" and "inch" sizes
- Available in fixed and Gantry version



**Polywire DECAWIRE/DoDECAWIRE**

- Pellegrini's DECAWIRE: 10 wires for thin and thick slabs
- Pellegrini's DODECAWIRE: 12 wires for thin and thick slabs
- Easy & fast thickness adjustment
- 10 slabs from 2-10cm (¾" to 4")
- Big wheels offer lower stress for longer life of diamond wire
- Low energy & low water consumption

**Polywire 54**  
This multiwire adds to the range while keeping the same features – large diameter motor drum and tensioning flywheels to run the diamond wires at peak performance; in results and longevity – also other innovations you'd expect from Pellegrini experience and ingenuity. Process blocks up to 1.5m deep in one shot, while slab thicknesses can be mixed.



**Polywire 5/16, Polywire 5/34 & Polywire 40/54**

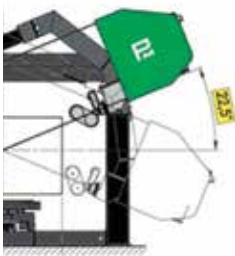
- Multiple wire gang-saw to cut slab thicknesses from 2cm (¾").
- Double series of 2.35 meter diameter flywheels with independent tensioning
- computerized control system for cutting and block-carriage shift operations.
- PLC & CNC system.



Slabbing



**Single and multiple wire profiling machines**  
Systems for cutting two and three dimensional profiles using diamond wire, entirely CNC controlled on 2, 4, 6 or 7 axes. Available in various versions as to the useful cutting dimensions needed and the number of profiling wires required.



**Robot Wire EVO**

With CNC system, seven axes controlled for wire inclination up 22.5° allows a wider variety of shapes. Cuts 2D & 3D profiles out from blocks of marble, granite and ornamental stones (up to 2.6 meters width and 1.7 meters high.) The distance of the guide-wheels from the block, the angles of inclination, and the controlled tension of the diamond wire grants the maximum cutting precision and optimized performance.



**Robot Wire**

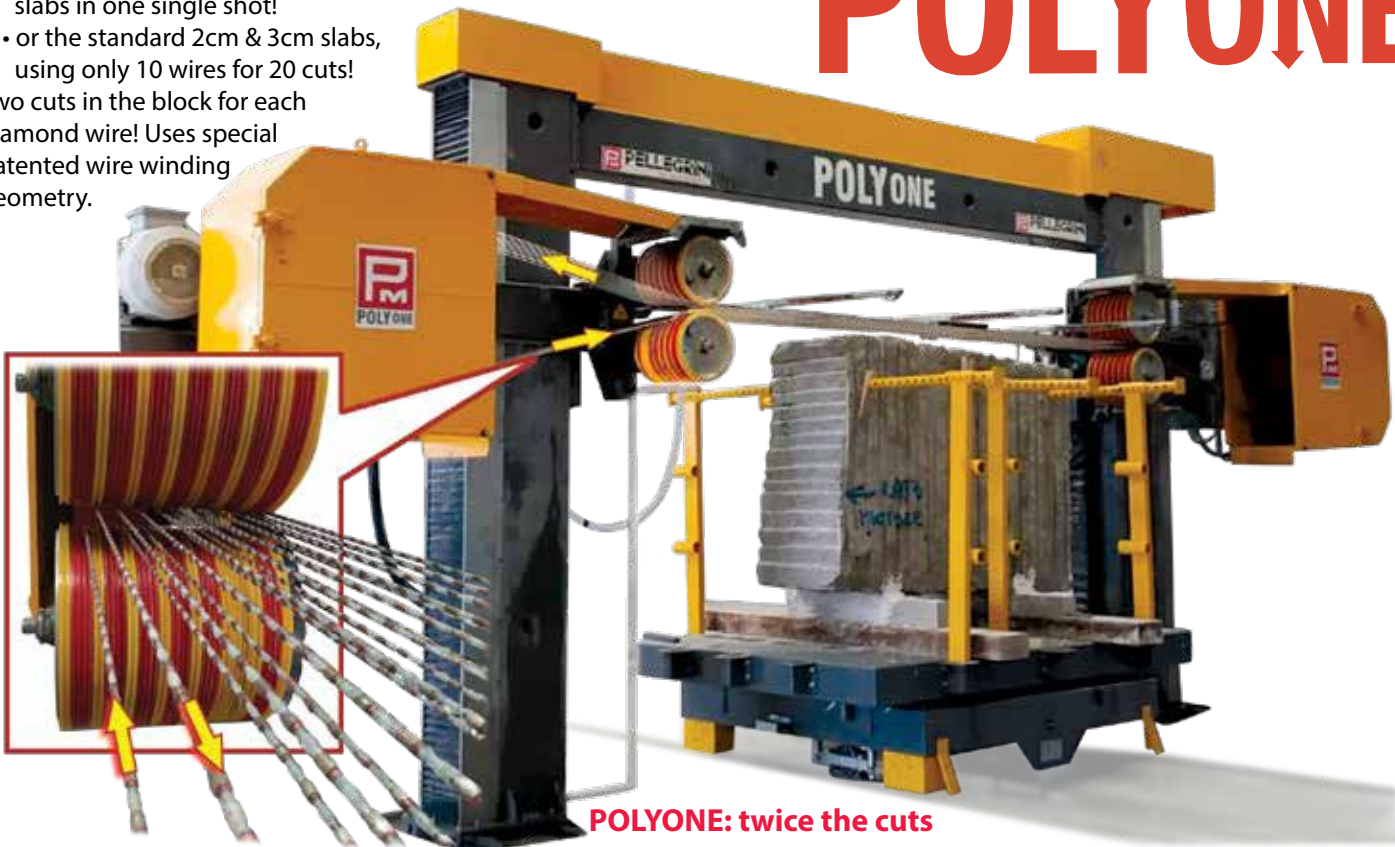
Machines for cutting two and three dimensional profiles, using Diamond Wire. Entirely controlled by 4 or 6 axes CNC systems.



**Multiwire with double cuts!**

- Using only 10 wires, it can make 20 cuts of 1 cm slabs in one single shot!
- or the standard 2cm & 3cm slabs, using only 10 wires for 20 cuts!

Two cuts in the block for each diamond wire! Uses special patented wire winding geometry.



**POLYONE: twice the cuts per diamond wire!**



Decawire **Compact** wiresaw by Pellegrini

Multiwire for smaller blocks & boulders  
Height 15.41995' | Width 26.24672' | Depth 10.49869 ft

Compact multiwire saw for blocks up to 10 tons weight  
10 slabs up to 10 cm thickness in the same drop and others.

MagicWire 16 Pellegrini's Multi-wire Saw is equipped to run up to 16 wires.

**Compact** 16-wire saw for blocks 40 tons producing slabs with thicknesses starting from 20 mm. 1 mt nominal cutting depth.







Gantry Cranes

**OVERHEAD CRANES** with one or two beams. Pellegrini's high tech design and construction. Loads from 2 to 50 t.

## Derrick Crane

With load to 50 ton and jib to 80 mt.

## Gantry Crane

With load to 70 ton; span and jibs can be on request.

## Overhead traveling Crane

With capacity to 50 ton and span on request.

## Special Cranes

We build cranes with capacities and structures off size.

## Top Loader Crane

Loading arm device for loading slabs in 20' box containers.

**BLOCK-TILTING MACHINE** to rotate blocks up to 30/50 t. Easily operated by one person.



Rotofix

See also  
**Material Handling**  
on page 23

## Overhead Cranes



**PELEGRINI**  
meccanica spa



Top Loader



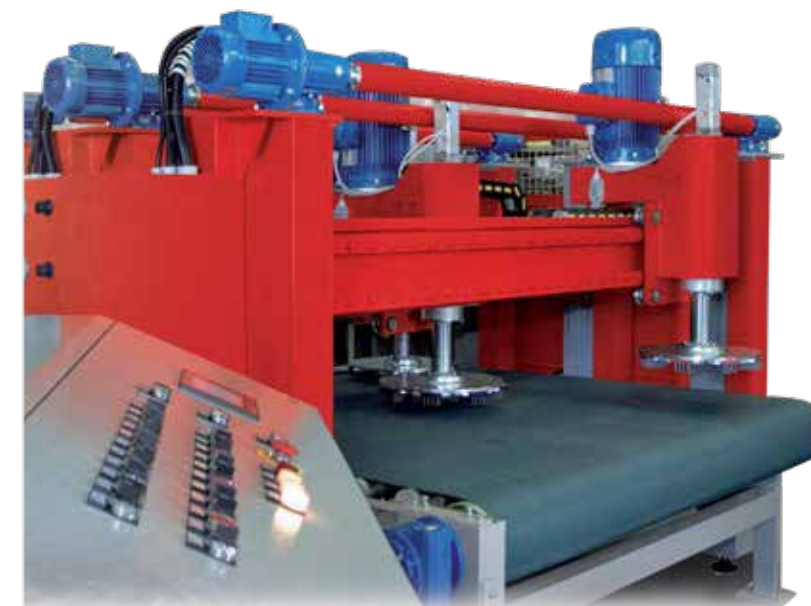
THE  
**VACUUM**  
LIFTING COMPANY

We'll help assess the optimal lifter for you. A complete range of self-powered FLT mounted or crane mounted vacuum lifters for handling concrete, stone, marble, granite, slabs, panels. Capacities from 100kgs up to 50000kgs. Single pads, multi-pads, radio control, 90° or 180° vtilting. No installation required.



**MARMOMACCHINE**  
**PELEGRINI**

La Rossa Surfacing Machine can use, simultaneously: Lupato plates and/or PadHead™ with diamond pads, & more.



**'WATERSTORM-MASTER'** a range of equipment for rough-surfacing on granite, some types of marbles and natural stones, and other materials. A high pressure water jet directed at the surface detaches weaker parts of the stone surface making the roughness obtained dependent on the structure....

FBS 220

**MARMOMACCHINE PELEGRINI** has always been a world leader in machines, plants and equipment for rough surface finishing of Marble, Granite, natural/artificial stones, and pre-cast concrete products.

- Plants for bush-hammering, flaming, sandblasting and scarification (Waterstorming) with high pressure water
- Plants for special rough-finishing operations (grooving, chiseling, grinding, aging)
- Plants for curb-stone processing
- Plants for washing drying and brushing strips and/or slabs

Automatic and semi-automatic systems for handling slabs and strips: roller conveyors, carriages, robots, turntables; slab tipplers, rotating platforms

- Dust absorbers with water abatement
- Sound-proof cabins
- Safety systems for processing plants, to protect the working area of automatic machines.

FBS 220



## Surface Treatments Marmomacchine

- Bush Hammer
- Flaming
- Water Storm
- Sand Blasting

FB 80 - FB 220

Can be supplied in versions for single or multiple functions, with any combination of the various surface processing operations (bush-hammering, flaming, sand-blasting).



PadHead™ Polishing & Grinding Heads

Miles Supply's PadHead™ polishing & grinding head is the most unique tool on the market for surface treatments. The PATENTED multiple free rotating heads work off of the resistance of friction to accomplish its superior surface cutting action. Up to 50% faster using diamond pads than traditional abrasives or plates! Hone, polish, or texture surfaces on your CNC or other applications..



TEXTURED SURFACES

Lupato plates, adaptors for frankfurt, adaptor for bridge saw, for hand-held, for CNC, for floor machines; many methods for many finishes!



TRANSFORM your same ol' STONE

LUPATO meccanica  
TOOLS FOR ROUGH FINISHES ON STONES

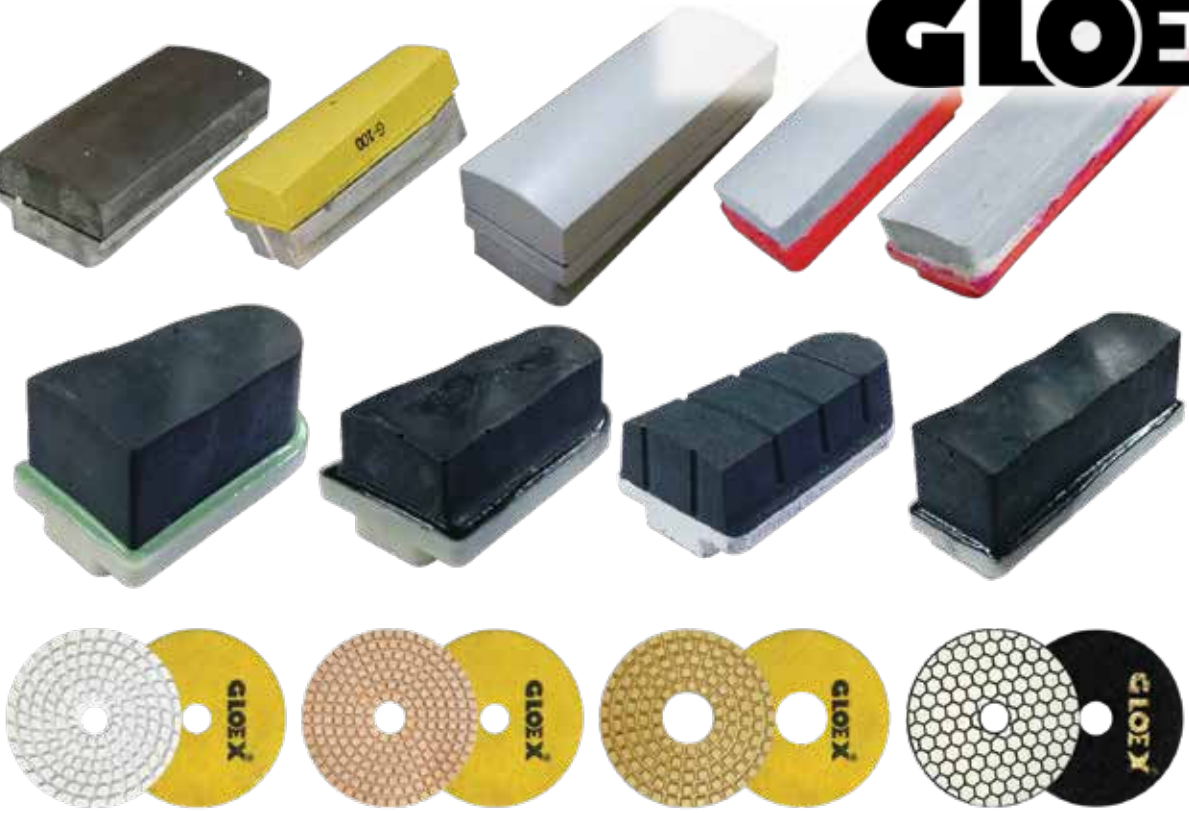
Diamond, Resin, Metal & SIC Bricks, Surfacing



Brushes:  
Round, Frankfurt & Fickert, SIC & Diamond, in various grits.

Ask about our other lines and catalogs such as Polishing, Sandblasting, Industrial & Safety/PPE.

GLOEX®



Polishing

Lupato | Surfacing







Fully Automatic Sandblast & Recovery System

Fully Customizable!  
Ask us about tailoring  
a sandblast Front-End  
curtain to your needs.



**SandHandler  
Fully Automatic  
Sandblast & Recovery System**

- Servo-motor design upgrade
- Customize unit size & vertical travel
- Stone to Stone feature included
- No Pits Needed
- No Shoveling
- Easy to Use; Easy to Install

see demo on  
**YouTube**

Answers to Frequently Asked Questions about SandHandler:

1. Yes, we can **customize** according to your application and parameters!
2. The SandHandler is **computer controlled** by very simple touch-screen set-up and operation.
3. The SandHandler is powered by **servo motors** controlled by electronics.
4. The sand is screened and flows through the underside piping mechanism without use of compressed air, thus there are **no moving parts involved in the recovery system**.
4. The SandHandler blast head can turn on the rubber or **stencil without burning**.
6. The computer is programmed to shut down the system when the next count is not received in time, which **prevents the blast nozzle from stopping on the stone**.
7. The blast room comes equipped with pass through doors on each end, allowing **easy in and out** of the stone on conveyor system.
8. The SandHandler features **joystick manual controls**; allows the operator to manually maneuver while standing directly in front of the viewing window.



Marco & Empire Blasters



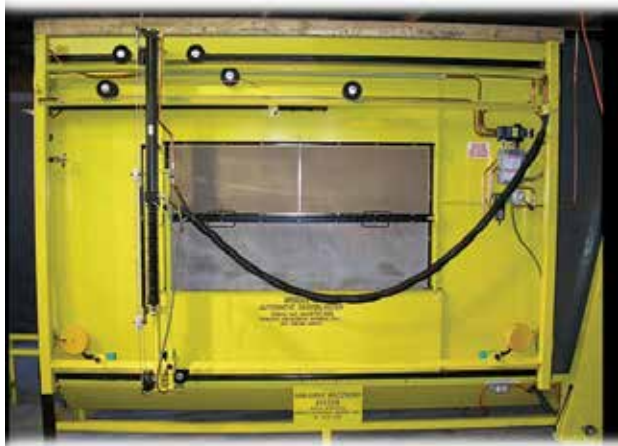
Our Brooksie Blaster



Shaping Bottom



ConX XAir SC70



Model J Automatic Sandblaster by Hiron



Ask for our full catalog of Sandblast supplies or see [milessupply.com](http://milessupply.com).



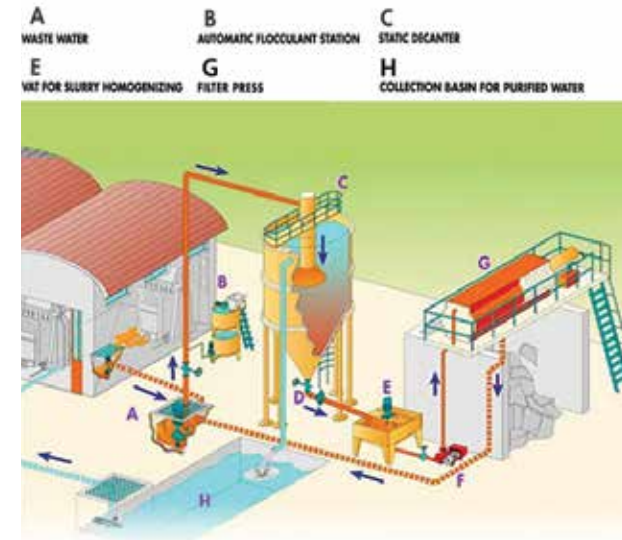
SandHandler

Sand Blasting





**Fraccaroli Balzan  
Water Treatment Plants**  
The compact treatment plant at right comes ready to work, with all of the necessary components all in one unit. The compact plant is a simple solution to your hard-to-clean sludge pits. We also sell and advise on complete systems.



**Water Treatment Plants by F&B**  
Separates the waste product & water; recycled water returns for use. Systems eliminate sludge pits/monthly cleaning.



## StoneFlo DWS Workstations

StoneFlo DWS Dust Collectors fit anywhere on the plant floor and apply no restrictions to worker movements or visibility. Designed specifically for in-plant open areas where it's dirty.

Proprietary Ultra-Web® Nanofiber Filters and ExtraLife™ cleaning; the DWS delivers where high filtration efficiency is required!

- Flexible, modular, self-contained workstations
- Easy filter access requires no tools
- No hoods or ductwork required
- Energy savings – recirculate clean air

**ULTRA WEB®**  
High Efficiency Nanofiber Filters Built to Last



## Stoneflo Torit® Dust Collectors



## Dust Collectors by Italmec

Air Box water curtain models and dry bench type models are some of the available solutions for dust control.



Custom-made Chain Slings



StoneFlo





**Miles Supply Cleaners**  
Effective & economical. Our bio-cleaner works like the other guy's but for less. Also special formulations for granites and a poultice.



**Stone Wash**  
good for final wash; removes any residue from the manufacturing process  
By the gallon, 5 gallons or 55 gallon drum.



**Clean Stone**  
for weathered stones in the cemetery  
Ready-to-use pump, gallon, 5 gallons or 55 gallon drum.



**1" and 2" Straps with Cordura**  
Straps have a cordura wear strip sewn around the inside to decrease wear and give the strap extra grip on surfaces.



**4" Wide Belt Slings**  
White nylon belts, cotton inner layer designed to reduce slipping and increase life. Other widths and thicknesses available.



**Stain Lift -Aerosol**  
multipurpose cleaner is specially formulated for stone; removing deep oil and grease stains  
15 oz. aerosol cans or 12 cans per case.



**Citrus Filler Remover**  
to remove filler from sandblasted stone



**Elephant Snot Graffiti Remover**  
removes paint from stone



**Acid Stain Remover**  
to remove difficult, deep stains  
5 gallons or 55 gallon drum.



**Sling Bar**  
Complete with pipe rollers and washers, the sling bar has a 3 ton capacity on inside rollers and 1½ ton capacity on outside rollers. Ask us about customizing ones for your application.



**Sling Yoke**  
Sling for light duty.



**Sling Yoke - 15"**  
"A" sling yoke with shackles and rollers has a 4 ton capacity.



**D/2 Biological Solution**  
Cleans monuments, it removes stains from mold, mildew, algae, lichens, & air pollutants. Non-toxic & no scrubbing necessary.



**Ammonium Hydrogen Bifluoride**  
Popular crystals used for cleaning.

**Pressure Washers**  
4, 5, and 6.5 HP models, 520M electric model.



Ask about our epoxies, sealers, setting compounds, stencil supplies, carbide tools, sandblast supplies, & safety gear/PPE.

**Chain Slings**  
We can create custom chain slings with your specifications. Contact Miles Supply to determine the kind that suits your needs.



**Sling Lif Tuflex Slings**  
Versatile canvas wrapped fibers of polyester. Diameters for different capacities.

See also  
**Pellegrini Cranes &**  
other Vacuum Lifters on page 12



**Scrub Brushes**  
sizes and varieties for various jobs.



**MANGANESE PHOSPHOLENE NO. 7**  
Cleans rust marks off monuments/stone.



Miles Supply, Inc.  
143 Boynton Street  
Barre, VT 05641  
800.396.8049

Miles Supply, Inc.  
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Terrell, TX 75160  
844.883.4108

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Montrose, PA 18801  
888.278.8383

Sales Staff in  
IL: 815.847.0080

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Rockville, MN 56369  
800.789.0815



See website for Terms & Credit Application



#### Full-Service Shops

in: VT, GA, PA, IL, & TX

- Hammering
- Re-Tipping
- Machine alignments

#### Diamond Blades

including for:

- Thin Stone Veneer
- Concrete/Asphalt
- Granite
- Marble
- Bluestone

#### Diamond Wire

from Boart & Wire

*Check out website for Sandblast  
Equipment, Dust Collection, Polishing  
Supplies, and Surfacing....*

[www.milesupply.com](http://www.milesupply.com)