WET

Deburring-Polishing Machines

COSTA LEVIGATRICI METAL

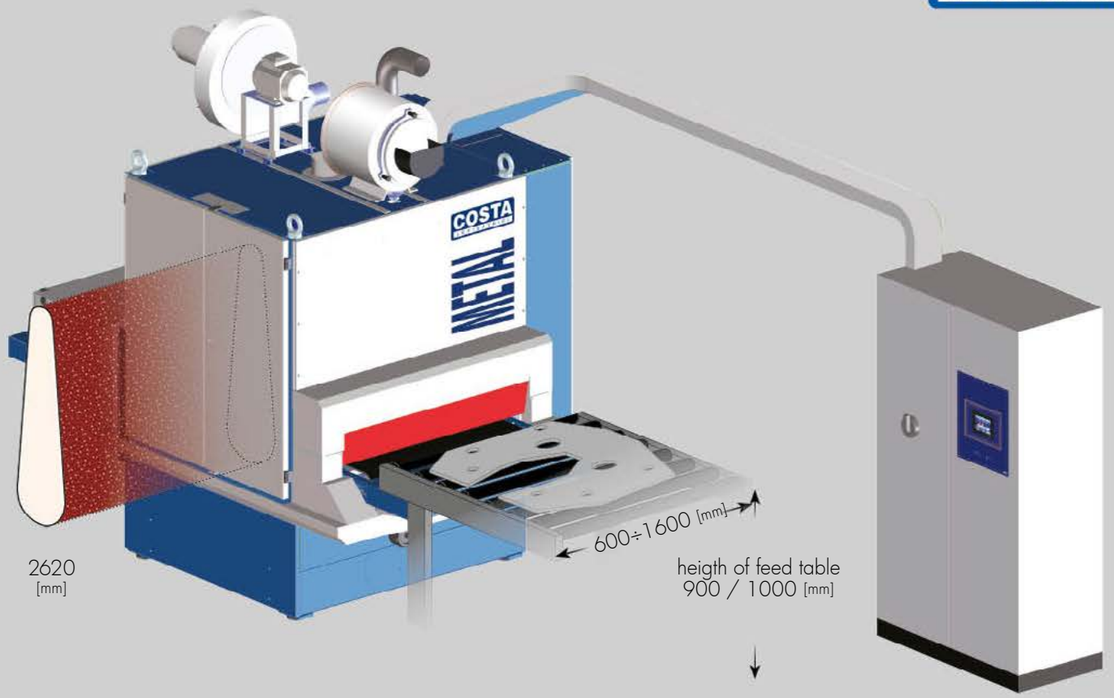
metal WD EN

WET deburring and polishing machines

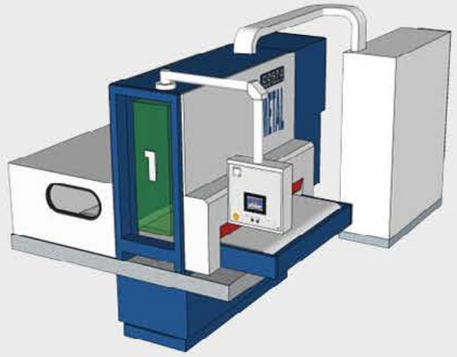
Cleaning+cooling system, with a set of jets of coolant liquid spryed onto the working units.
The system is built with stainless steel pipes and special jet nozzles; the pipes are built to be easily disassembled for maintenance.
Emergency stop in case of low level or absence of coolant.

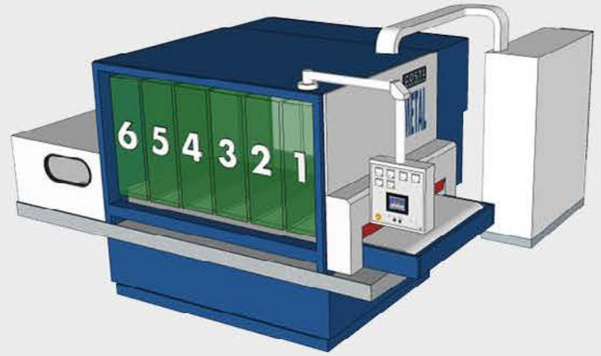
Wet processing includes all applications with sanding belts, brushes, and other surface processing media, where the process requires coolant.
Such cooling liquid is utilized to keep the sanding belts clean, ideal for applications requiring tight tolerances, and avoiding heat expansion. The contaminated coolant is collected in a tank, filtered to eliminate the sludge, then recirculated in the system.
The machine includes a pre-drying system for the processed workpieces made of squeezing rollers and a series of air knives.

Internal partition made of stainless steel sheets, installed inbetween each working units, designed to be easily extracted for maintenance operations.



top machine available from **1** to **6** working units





Top working units suitable for installation in any position inside the frame

cylinders

C25 - ∅ 250 [mm]

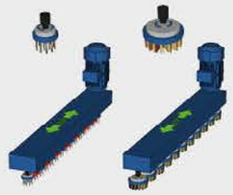
longitudinal **brushes**

∅ 180 [mm] ∅ 180 [mm]
∅ 250 [mm] ∅ 250 [mm]

S18 / S25 **SB18 / SB25**

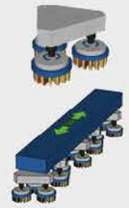
vertical **brushes**

∅ 85 [mm] ∅ 130 [mm]



XVS85 **XVS130**

orbital **brushes**



XRS

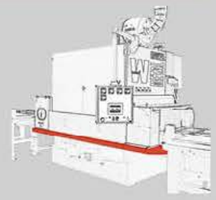
WET deburring and polishing machines: main features & options

Pressure units

The safe traction of the work-pieces is determined by the rigidity of the pressure units.
At the same time these units must be able to adapt to the thickness variation of work-pieces.

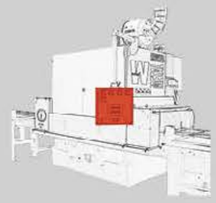
Stainless steel pan

A stainless steel pan is positioned all around the machine frame and feed table, to recover the coolant.



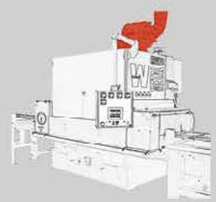
Control Systems

Computer controlled machine, with touch screen monitor mounted in a separate column or positioned on a top swinging support at 90°.
This is a PC working position integrated in the company network.



Mist filtering unit

Mist filtering unit installed on the top of the machine, to absorb the mist generated in the working process. The condensed coolant is recovered into cooling system.



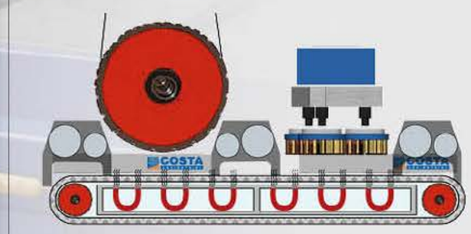
Safety in-feed sensing roller for over thickness limit

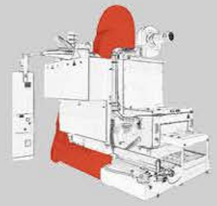
Two switches installed onto the infeed sensing roller, allow this safety device to stop the feed and exclude all the working units if the roller detects a work-piece having thickness exceeding the programmed value.

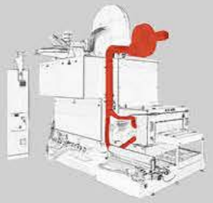
optional devices

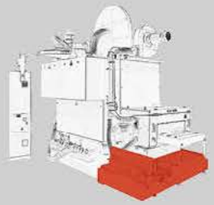
Magnetic Hold System

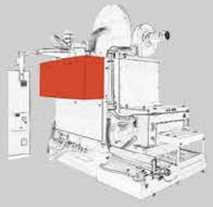
A series of magnetic elements are inserted in the feed table, either in the full width or in a partial section of the machine width.
The magnets create a stronger hold and a better traction of smaller work-pieces.











Vacuum Hold Plant

Help improving holding of small and/or slippery work-pieces to the feed belt.
A high speed electroventilator creates a vacuum hold under each working unit to secure the traction of slippery material or of workpieces smaller than distance between the pressure units (opt.)

Washing & Pre-drying system

The bottom and top washing and pre-drying system of processed pieces is installed on the outfeed and it's made of a couple of water blowers, a set of squeezing rollers and a series of air knives to eliminate the liquid from workpiece surface.

Textile filtering system

It is positioned in the rear side of machine, and it is complete with automatic unwinder and feed of the filtering cloth. The sludge and the used cloth filter is automatically collected in a separate container.

Motors

The main motors of the working units are installed in the top part of the machine frame for improved safety.

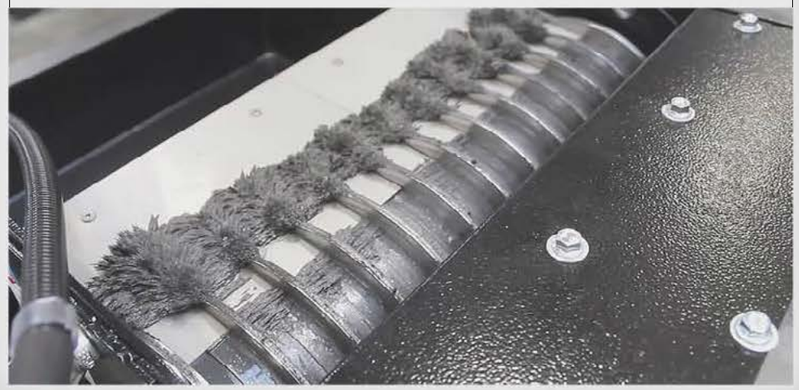
optional devices

Dredge for separation of waste

Automatic extraction of metal waste directly from the main recovery tank of the machine to a separate container.
This system is recommended for heavy duty operations in presence of high take away of material; in fact the system separates the solid components of metal waste
from the coolant before reaching the paper-filtering system.
In this way the plant remains clean and all clogging problems are avoided.

Automatic magnetic separation of magnetic residues

It is installed prior to the textile filtering system, reccomended for heavy operations that generate a lot of sludge. It optimizes the efficiency of the cloth filter by separating the sludge magnetically prior to cloth filtration.



Location: Italy - Veneto

Airports
Venezia: 90 Km - 1h drive
Treviso: 75 Km - 1,5 h drive
Verona: 65 Km - 45 min drive
Bologna: 160 Km - 2h drive

Train Station
Vicenza: 30 km - 30 min drive

Car Directions

To the Factories in Sandrigo
Highway A31 - Exit Dueville - 3,5 km

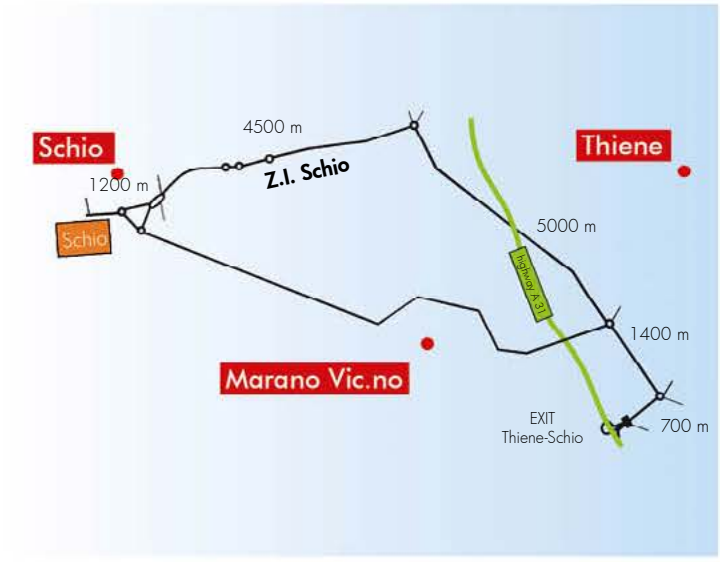
To the Main Office in Schio
Highway A31 - Exit Thiene-Schio - 13 Km

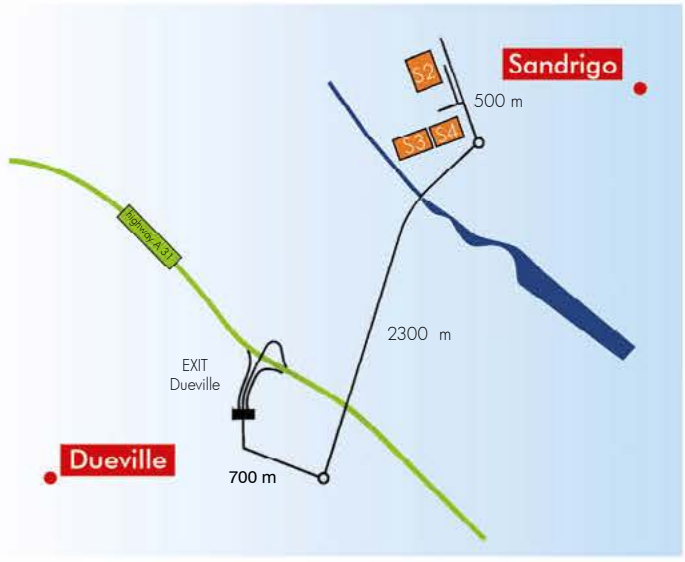
Headquarter of Schio
Via Venezia, 144
36015 Schio

Factory of Sandrigo 2
Via G.Galilei, 5
36066 Sandrigo

Factory of Sandrigo 3
Via Galvani, 3-5
36066 Sandrigo

Factory of Sandrigo 4
Via Galvani, 1
36066 Sandrigo





We reserve the right to change features without any notice

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