

# DZambelis

Stone Machinery Ltd



## Machinery Catalogue

THE NATURAL CHOICE

[www.dzambelis.co.uk](http://www.dzambelis.co.uk)



# Welcome to D Zambelis

D Zambelis have been going strong within the stone industry since 1996 and is still expanding.

Having been working within the stone industry for over 25 years, D Zambelis is constantly expanding.

We believe that the combination of both technical experience in materials and tooling, with excellent customer service is the key to our success.

In 2008 we expanded into machinery, becoming the UK agent for:

## Achilli

Secondary Saws and Machinery

## C.M.G. Macchine

Edge Polishers

## Dal Forno

Lifting and Handling Equipment

## Costruzioni Meccaniche Donatoni

Pioneer in the field of Stone Processing

## Giacomini Officine Meccaniche

Bridge, Derrick & Gantry Cranes

## Italmecc

Water Recycling and Air Purification

## OMAG S.p.A.

5, 6 & 7 Axis CNC Machines

## Terzago Macchine

Primary and Secondary Saws

## Our Machinery Manufacturers

We only use the best when it comes to our machines and these are the companies we hold in high esteem.

Our range covers every aspect of stone processing, from 3.5m Block Cutters & 5 Axis CNCs to Lifters & Bench Saws.



FOR PRICES PLEASE CALL: 01621 742577  
OR EMAIL: [INFO@DZAMBELIS.CO.UK](mailto:info@dzambelis.co.uk)



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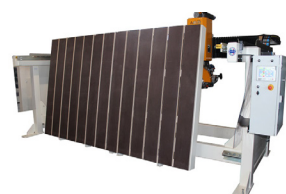
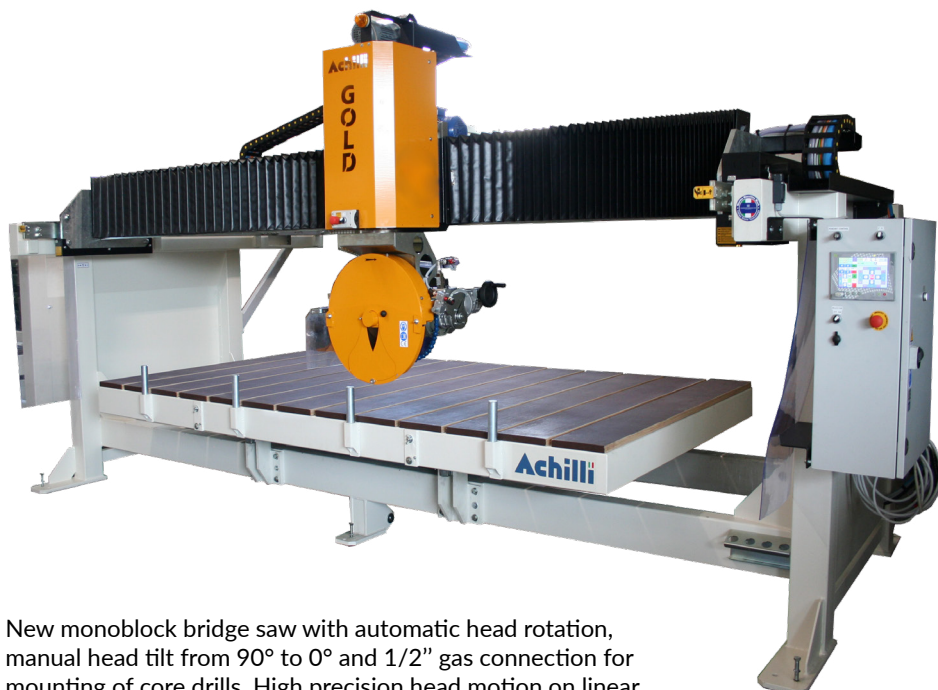
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New monoblock bridge saw with automatic head rotation, manual head tilt from 90° to 0° and 1/2" gas connection for mounting of core drills. High precision head motion on linear guides with recirculating ball slides.

## High precision 4 axes monoblock bridge saw

### ADVANTAGES

- Customizable according to customer requirements;
- Monoblock structure for easy installation (does not require foundation);
- Automatic head rotation;
- Precision Stone Cutting: extremely accurate and consistent stone sawing.
- Simple to Operate: GOLD is capable of fully automatic operation or can be operated in a semi-automatic mode to give the operator full control of sawing operations;
- Manual or CNC controlled head tilt from 90 to 0 degrees;
- 1/2" gas connection for mounting core drills and perform an automatic drilling cycle to easily cut corners and remove the tension from the sintered material plates;
- Pre-loaded parametric figures such as hexagon, octagon, kitchen top, trapezium, polygon, etc.
- Profiling environment of the CNC to create artistic frames and decorations.

### TECHNICAL DETAILS

X axis travel	4000 mm
Y axis travel	2350 mm
Z axis travel	300 mm
Worktable dimensions	4800x2200 mm
Diamond blade diameter	350-525 mm
Blade bore size	50 mm
Head tilt	90° - 0°
Head rotation	0° - 360°
Main motor power	11kW = 15HP
Main motor rotation speed	1400 rpm 50Hz - 1700 rpm 60Hz
Main motor variable speed	800 - 3000 rpm
Standard voltage/frequency	3ph. 400V-50/60Hz 230V-60Hz



**MBS TS MONOBLOCK BRIDGE SAW**

MBS TS is our best-selling bridge saw; the perfect combination of simplicity, flexibility and durability. The installation is easy and does not require foundation. The machine is equipped with a compressed, rectified and chromed "active beam" guaranteeing the utmost accuracy. The rotation of the head allows to perform interpolated angle cutting in all directions.

**CNC Bridge Saw for Interpolated Angle Cutting in All Directions****ADVANTAGES**

MBS TS is our historical monoblock bridge saw with CNC axis control unit for cuts programming:

Fully customisable according to customer requirements;

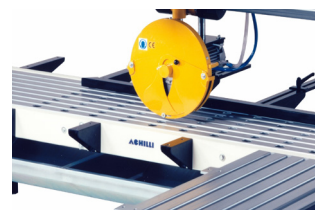
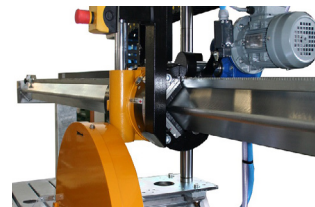
Monoblock structure for easy installation;

The perfect cutting precision is guaranteed by the special design of the beam;

Manual or automatic head rotation to perform interpolated angle cutting in all directions.

**TECHNICAL DETAILS**

X axis travel	3000 / 3500 / 3600 mm
Y axis travel	1930 mm
Z axis travel	380 mm
Worktable dimensions	4600x2200 mm
Max. diamond blade diameter	350-500 mm
Blade bore size	50 mm
Head tilt	90° - 45°
Head rotation	0°- 90°- 180°- 270° / 0°- 340°
Main motor power	7.5kW = 10HP / 11kW = 15HP
Main motor rotation speed	1400 rpm 50Hz – 1700 rpm 60Hz
Main motor variable speed	700 - 3400 rpm
Standard voltage/frequency	400V-50/60Hz / 230V-60Hz 3ph.



Mono block saw with fixed bridge for stone and sintered material slabs equipped with a compressed, rectified and chromed "active beam" guaranteeing the utmost accuracy. The worktable extensions widen the worktable facilitating the positioning of large slabs and the head feed is motorised with variable speed adjustment in both directions. A special optional device permits to carry out parallel cuts.

## Stone Saw with Fixed Bridge For Stone, Quartz and Ceramic Slabs

### ADVANTAGES

TFM is an extremely sturdy bridge saw, suitable to cut also thick stone slabs:

Customisable according to customer requirements;

Equipped with a special design beam providing the utmost accuracy;

Optional PLC control unit for step-cut programming;

Extremely accurate cutting on stone, ceramic, quartz and sintered materials;

Motorised head motion with variable speed on X axis in both directions.

### TECHNICAL DETAILS

X axis travel	3100mm or 3500mm
Z axis travel	380 mm
Worktable dimensions	3695×900 mm
Diamond blade diameter	300-400 mm or 400-625 mm
Blade bore size	50 mm
Motor power	7.5kW = 10HP / 11kW = 15 HP (3ph.)
Main motor rotation speed	1400 rpm 50Hz – 1700 rpm 60Hz
Standard voltage/ frequency	400V-50/60Hz / 230V-60Hz 3ph.

**MSA MITRE SAW FOR 45° CUTTING**

Professional stone saw for tilted cuts designed to work slabs "face down", it allows to perform perfect 45 degree cutting even on uncalibrated slabs. No width limitation of the slab to process; even the most narrow strips can be machined thanks to the special pneumatic pistons blocking the stone. The maximum cutting precision is guaranteed by the head travel on linear guides fitted with recirculating ball slides and by the position of the blade cutting from bottom upwards.

**Miter Saw for The Professional Tilted Cutting At 45°****ADVANTAGES**

**MSA professional miter saw for tilted cuts:**

Steel frame with hot-dip galvanizing treatment for maximum resistance to wear and rust;

Worktable made of anti-scratch plastic material slats;

Available in two models: useful cut 3300mm or 3700mm;

Maximum cutting precision is guaranteed by the head travelling on linear guides fitted with recirculating ball slides automatically lubricated;

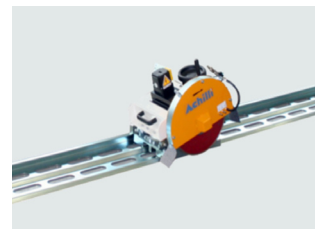
10 pneumatic pistons and 3 slab stops to secure even the smallest workpieces in place during machining;

Pneumatic pop-up slab stops to cut thin ceramic and sintered material slabs.

**TECHNICAL DETAILS**

X axis travel	3300 / 3700 mm
Worktable dimensions	3300/3700 x 1000 mm
Diamond blade diameter	350-400-450 mm
Min/Max stone thickness	0-80 mm (with pneumatic slab stops)
Main motor power	5,5kW = 7,5HP trifase
Main motor rotation speed	1400 rpm (50Hz) - 1700 rpm (60Hz)
Main motor rotation speed (opt.)	800 - 3400 rpm
Standard voltage/frequency	3ph. 400V-50/60Hz 230V-60Hz





A portable track saw on mobile rails. With a small investment, you can cut large slabs by placing the rails directly on the slab

## Portable rail saw to cut small and large slabs

### ADVANTAGES

An innovative portable track saw on mobile rail TSA:

Sturdy and compact frame easy to transport and assemble on-site;

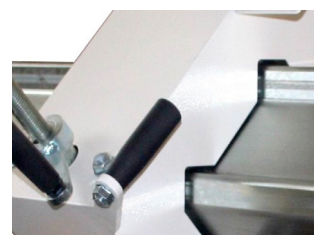
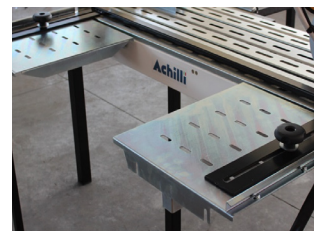
Allows to cut large slabs with a small investment;

Available with 3 different sets of rails:

3 x 1250mm  
1 x 2500mm  
1 x 4000mm

### TECHNICAL DETAILS

Rail Length	1250 mm x 3pz. / 2500mm / 4000mm
Diamond blade diameter	300-350 mm
Max. cutting depth	40 mm
Main motor power	2.2kW = 3HP 1ph.
Main motor rotation speed	1400 o 2800 rpm 50Hz - 1700 o 3400 rpm 60Hz

**ANR CUTTING & PROFILE MACHINE**

Portable stone saw with a sturdy structure to cut marble and granite slabs with extraordinary accuracy. The innovative optional Slot device makes it a multipurpose machine for performing horizontal cutting, profiling, and polishing of straight slab edges.

**Portable Saw with Stone, Marble & Granite****ADVANTAGES**

ANR is a sturdy and accurate saw for stone slabs:

Special beam design to attain a perfect cutting precision;

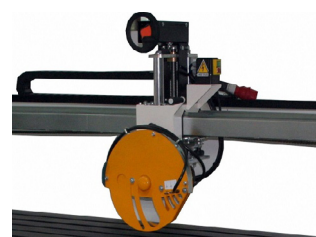
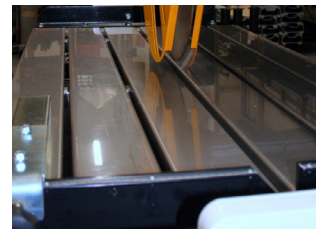
Water tank with built-in recycling pump for blade cooling;

Optional device to perform horizontal cutting and profiling of slab edges.

**TECHNICAL DETAILS****ANR****ANR-HT**

Useful Cut	600-800-1000-1300- 1500-2000 mm	600-800-1000-1300- 1500-2000 mm
Diamond blade diameter (not included)	250-300-350 mm	400-450-500mm
Blade bore size	25,4 mm	25,4 / 30 mm
Motor power	2.2kW = 3HP 1ph. / 3Kw = 4HP 3ph.	3.7kW = 5HP 3ph.
Motor rotation speed	2800rpm 50Hz - 3400rpm 60Hz	1400rpm a 50Hz - 1700rpm a 60Hz
Standard voltage/ frequency	400V-50/60Hz	400V-50/60Hz





Compact, essential and sturdy saw with fixed bridge and manual head feed for marble and granite slabs; the bridge tilts and the water tank with built-in recycling pump makes it the perfect for small and large stone fabricating shops. It is equipped with 1 or 2 side extension tables to enlarge the working surface and facilitate the positioning of the slabs.

### Bridge saw with fixed bridge and manual head feed

#### ADVANTAGES

Fully equipped and manual bench saw with fixed bridge AFR-C for cutting stone slabs:

Available with several useful cutting versions, according to customer requirements;

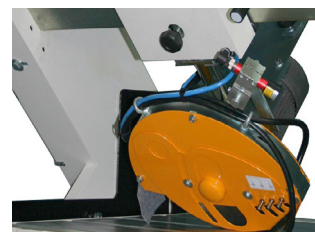
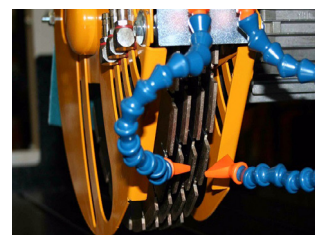
Maximum cutting precision guaranteed by a special beam design;

Sturdy and compact structure to work any kinds of slabs;

Manual head feed by hand crank.

#### TECHNICAL DETAILS

	AFR-C	AFR-C HT
Useful Cut	1500-2000-2500-3000-3300-3500 mm	1500-2000-2500-3000-3300-3500 mm
Diamond blade diameter (not included)	250-300-350 mm	400-450-500 mm
Blade bore size	25.4 mm	25.4 mm
Motor power	3kW = 4HP (3ph.)	4kW = 5.5HP (3ph.)
Motor rotation speed	2800 rpm a 50Hz - 3400 rpm a 60Hz	1400 rpm a 50Hz - 1700 rpm a 60Hz
Standard voltage/ frequency	400V-50/60Hz /230V-60Hz 3ph.	400V-50/60Hz /230V-60Hz 3ph.

**AFR-A MOTORISED BENCH SAW**

Compact, essential and sturdy bench saw with fixed bridge; the bridge tilts and the water tank with built-in recycling pump makes it the perfect saw for the stone fabricator. It is equipped with 1 or 2 side extension tables to enlarge the working surface and facilitate the positioning of the slabs.

**Stone cutting saw with variable speed for stone and ceramic****ADVANTAGES**

Fully equipped and motorized saw AFR-A suitable for small and large stone fabricating shops:

Available with several useful cuts, according to customer requirements;

Maximum cutting precision guaranteed by a special beam design;

Suitable for ceramic and sintered material slabs;

Available with multiple blades for processing anti-slip grooves;

Motorised head feed with variable speed in both directions.

**TECHNICAL DETAILS****AFR-A****AFR-A HT**

	<b>AFR-A</b>	<b>AFR-A HT</b>
Useful Cut	1000-1500-2000-2500-3000-3300-3500 mm	1000-1500-2000-2500-3000-3300-3500 mm
Diamond blade diameter (not included)	250-300-350 mm	400-450-500 mm
Blade bore size	25.4 mm	25.4 mm
Motor power	5kW = 6.5HP (3ph.)	4kW = 5.5HP (3ph.)
Motor rotation speed	2800 rpm a 50Hz - 3400 rpm a 60Hz	1400 rpm a 50Hz - 1700 rpm a 60Hz
Standard voltage/frequency	400V-50/60Hz /230V-60Hz 3ph.	400V-50/60Hz /230V-60Hz 3ph.



## Hydraulic and Motorised Slab Cart

Hydraulic and motorised slab trolley, indispensable for lifting and positioning the slabs onto the worktable of your machines. Equipped with rechargeable battery. The telescopic panel enables to handle large slabs.

### ADVANTAGES

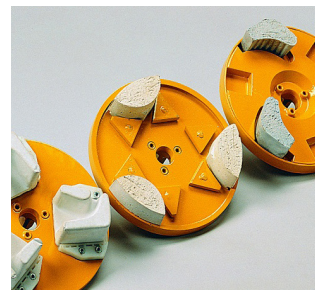
Our slab trolley SC500 is designed to safely handle large stone slabs:

Worktable of 1380×2000 mm (4'6"×6'6") or 1600×2600 mm (5'2"×8'2");

Extendable telescopic panel for easy access to lever controls when loading large slabs;

Worktop fitted with hardwearing plastic wheels for easy slab loading and off-loading;

Motorised hydraulic system powered by battery.

**LM30-VE UNIVERSAL SINGLE PHASE FLOOR GRINDER**

Universal single phase floor grinding and polishing machine for stone floors. Equipped with variable speed this floor grinder is suitable to work marble, terrazzo, concrete, granite and all kind of stone

**Universal Floor Grinding and Polishing Machine****ADVANTAGES**

LM30-VE is our best sold floor grinder, the most popular model for professional floor grinder operators, both in Italy and abroad.

Three-phase motor driven by frequency inverter thus improving machine output.

Selection of four different speeds to optimise working of the floor.

Machine level adjustment by eccentric wheel axis.

Transport handle and pivoting wheel facilitate machine movements.

**TECHNICAL DETAILS**

Power	2.2 kW - 3HP
Voltage	230 V (115 V on request)
Motor rpm	1400 rpm
Abrasive holding plate	300 mm
Plate rpm and peripheral speed	440 rpm – 415 m/min
Water tank capacity	26ltr
Size	500x995x945
Net weight	90 kg
90 kg	110 kg



Machine with compact dimensions, specially made for factories with space problems, for the production of shaped pieces, profiling with a horizontal blade, kitchen worktops, steps, shower trays, masonry work in all-natural stone, engineering stone and sintered stone-like Lapitec, Dekton, Porcelain

It has a 360° head rotation.

All drives made with Brushless motors with high inertia.

PLC control complete with touch screen monitor.



## 4-axis monoblock sawing machine with 1/2" gas connection for tools

### FEATURES

LC 12" Touch Screen Control

Maximum blade size = 625mm

Main Motor = 3-phase 400V  
50Hz Power 11kW (15HP)

Laser beam alignment

Remote control

Hydraulic Tilting Table

Modem for Remote Assistance

Interpolation of all axis  
horizontal and vertical

Software for CAD drawings  
import

360° C Axis automatic head  
rotation

Programming and interpolation  
of the axis X-Y, Y-Z and X-Z

Completely automated cycles  
permit the execution of all the  
programs without the presence  
of the operator

### TECHNICAL DETAILS

X-axis blade stroke	3600 mm
Y-axis bridge translation	2000mm
Max. Ø blade	625 mm
Z-axis maximum cutting depth (with 625 Ø disc)	210 mm
Z-axis max. vertical stroke	360 mm
A-axis max. head inclination	90°
C-Axis rotation of the head	360°
Motor power at 1450 revs.	15/11 HP/kW
X-axis max. speed	20 m/min
Y-axis max. speed	20 m/min
Z-axis max. speed	3 m/min
Voltage/Frequency	400/50 V/Hz
Weight	3500 kg
Overall dimensions	5200 x 2800 x 3000h mm





## CUTE 625 EVOLUTION 5 AXIS BRIDGE SAW

Machine with compact dimensions, specially made for factories with space problems, for the production of shaped pieces, profiling, kitchen worktops, steps, shower trays, masonry work in all-natural stone, engineering stone and sintered stone-like Lapitec, Dekton, Porcelain

It has a 360 ° head rotation.

All drives made with Brushless motors with high inertia.

1/2" CNC Tools Attachment

TFT12" touch with CAD software, Import of DXF files, video simulation before work execution.



### 5-axis Monoblock CNC Milling and Cutting Saw

#### FEATURES

Positioning with 2 motors in electrical-axis (gantry) with pinion- helical rack system of precision and epicycle reducers with 0 clearance (Axis Y)

Spin of the head 360° continuous with reducer of high precision with eccentrics with 0 clearance (Axis C)

Spin of the mandrel 0°-90° reducer of high precision with eccentrics with 0 clearance (Axis A)

All the drives complete with elevated inertia BRUSHLESS motors, digitally controlled

Disc motor, power 15kW/20Hp, directly connected to the blade, electronic control of rotation speed by mean of INVERTER

Possibility of tilted cut in small steps obtained with interpolation of the axis horizontal and vertical.

CNC Numerically controlled programmer for the management of 5 axes (X-Y-Z-A disc inclination and C head rotation)

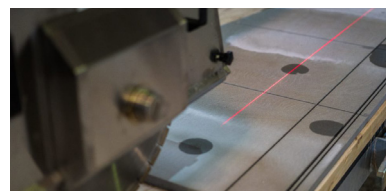
Cutting programs in single step for marble or multiple steps, with small increments programmable, for granite

Programming of circle or curve cutting cycles, diagonal or orthogonal cuts by interpolation of Y-X and C axes

Positioning of the machine with all the axes moving at the same time, reducing waste time

#### TECHNICAL DETAILS

X-axis blade stroke	3550 mm
Y-axis bridge translation	2050 mm
Max. Ø blade	625 mm
Z-axis maximum cutting depth (with 625 Ø disc)	200 mm
Z-axis max. vertical stroke	360 mm
A-axis max. head inclination	90°
C-Axis rotation of the head	360°
Motor power at 1450 revs.	20/15 HP/kW
X-axis max. speed	20 m/min
Y-axis max. speed	20 m/min
Z-axis max. speed	3 m/min
Voltage/Frequency	400/50 V/Hz
Weight	3500 kg
Overall dimensions	5600 x 2800 x 3000h mm



Bridge saw machine with main parts built in cast iron  
With a PLC touch screen for easy and intuitive use of program for cutting and moving.  
It is possible to execute linear shaping.  
Manual table rotation and head tilting.



## Automatic Bridge Cutting Saw

### FEATURES

Economical to install (steel or cement walls) and easy to use: for marble, granite and similar stones.

Construction built in cast iron for stability, low resonance and durability.

Motor of reduced dimensions co-axial with blade.

Blade holder slide electrically powered on bearings; guides well-protected from water and dust.

Electric bridge translation on sliding rails protected by everlasting belt and guards.

Mono-axial positioning for bridge translation with encoder.

Vertical movement of head with 2-speed self-braking motor on prismatic guides, controlled by encoder.

Motorised rotating table, with fixed locks every 90° can be blocked in any position 0° - 360°.

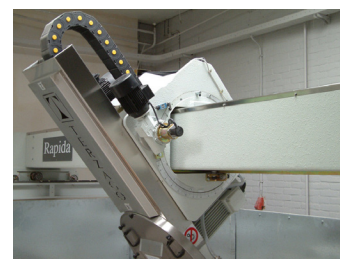
Manual tilting head from 0° to 90° to cut marble and granite even in short passes.

The PLC with a graphic touch screen allows programming and interpolation of two axis for concave-convex shaping, contouring, shaving and control of table rotation.

Soundproofed blade guard.

### TECHNICAL DETAILS

Blade stroke	3600 mm
Blade vertical stroke	400 mm
Max. Ø blade marble	725 mm
Max. Ø blade granite	450 mm
Cutting Depth (marble)	250 mm
Cutting Depth (granite)	115 mm
Cast iron table size	3000 x 1500 mm
Motor power at 1435 revs.	22 kW
Voltage/Frequency	400/50 V/Hz
Overall dimensions	5000 x 5500 x 2600h mm
Weight	4200 kg





Machine for all handicraft and industrial laboratories for processing marble and granite.

Disc diameter up to 1.200 mm, management of 4 axes, head inclination motorised.

CNC for programming slabs cut, linear, concave, and convex shaping, honing of shapes with side of the disc, circular and interrupted cuts.



## Bridge Saw With CNC

### FEATURES

Machine suitable for both small and large workshops for marble/granite.

Small-dimension motor connected directly to blade, with inverter.

Blade unit/bridge action electronically controlled on bearings, by encoder.

Head vertical action with auto-braking motor, controlled by encoder on prismatic guide.

Motorised rotating bench with auto-positioning 0° - 360°; blocking with hydraulic brakes.

0° - 90° tilting head even for small runs, auto-blockable in position with hydraulic brake.

P 55 LX cabinet houses electronic and electrical control / right-left slide, forward-backward bridge movement, head rising/lowering, bench rotation.

Automatic axes control with fast reaction; translation of bridge; automatic table rotation.

Electronic tilting of blade cutting unit.

Single marble run / small increasing granite steps according to programmed depth.

Selection of 20 different cutting widths to be repeated up to 99 times.

Cutting, and blade head return limit switches self-setting electronically.

### TECHNICAL DETAILS

Blade stroke	3700 mm
Bridge translation	3600 mm
Blade vertical stroke	600 mm
Max. blade diameter	1000 mm
Blade shaft diameter	60 mm
Blade flange block diameter	250 mm
Max. cutting depth	310 mm
Table dimensions	3500x1800 mm
Blade motor power	30 kW
Spindle rotation at 50 Hz	950 rpm
Adjustable forward speed	0-18 m/min
Weight	5800 kg
Overall dimensions	5600 x 2800 x 3000h mm





## DIGITALE

A 5 Axis CNC Bridge Saw that, in a small space, allows to perform all the operations necessary for a small and medium-sized laboratory.

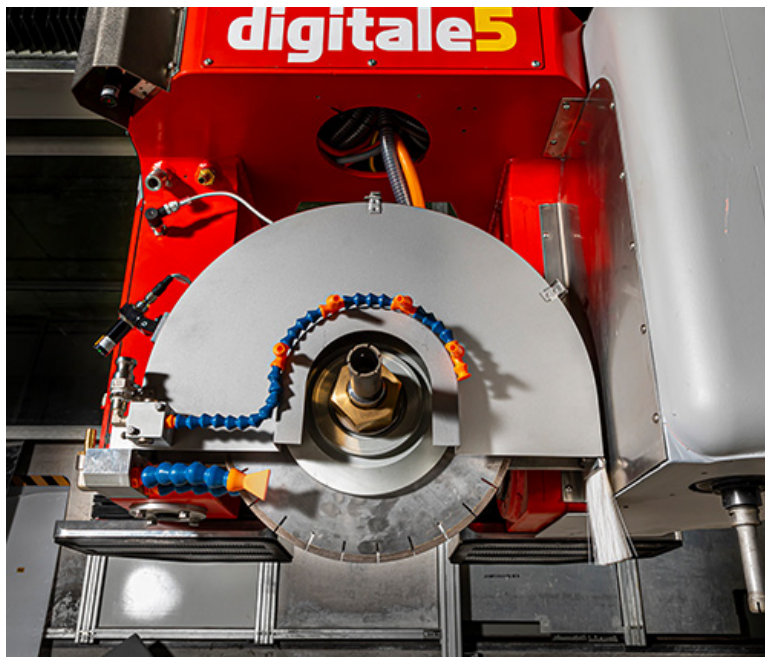
The machine has a monobloc structure, in steel, with hot galvanizing treatment; its positioning does not require building works.

All the axes of this milling machine run on linear guides with recirculating ball bearings, driven by a precision rack and pinion system for the X and Y axes, while for the Z axis with ball screw and pre-loaded nut.

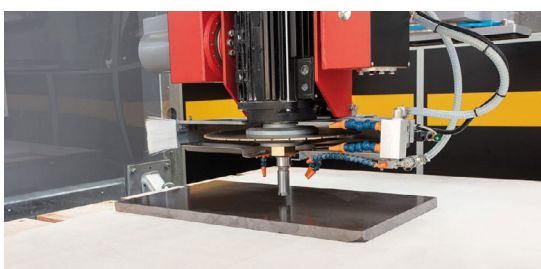
The air-cooled motor has a 1/2" gas tool connection with internal passage of cooling water.

The working table, made of wood panels, has an electro-welded steel structure and a capacity of up to 900 kg; it can tilt up to 85° thanks to a double piston hydraulic system.

The front guards of the machine comply with the European regulations in force.



### 5 Axis Bridge Saw

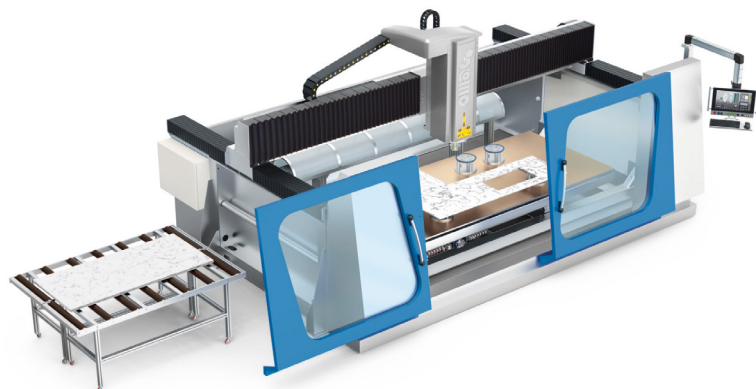


### TECHNICAL DETAILS

Interpolated controlled axes	5 axes
Workbench	141" x 78,7" +19,6" / 3.600 x 2.000 + 500 mm
Tilting table function	85° - 3.520 lbs loading / 1.600 kg
Cutting thickness with Ø 24,6" (625 mm) disc	7'87" / 200 mm
Minimum cutting disc	Ø 13,7" / 350 mm
Axis X - Transverse axis stroke	141" / 3.600 mm
Axis Y - Bridge axle stroke	104" / 2.650 mm
Axis Z - Vertical axis travel	85 15,7" / 400 mm
Axis C - Rotation in axis of the disk	0° + / - 200°
Axis B - Disc inclination	0° + 90°
Disc motor power and rotation	(S6) 24,4 Hp / 5.000 Rpm
Approximate weight	8.820 lbs / 4.000 kg
Water consumption	40 Lt. / min.
Overall dimensions	232" x 185" - h 111" / 5.900 x 4.700 - h 2.800 mm



## DIGIMILL MONOBLOCK CNC WORKCENTER



**DIGIMILL** is the 4-axis numerical control machining center that groups all the functions of a multifunctional machining center in a single system.

DIGIMILL is the result of OMAG experience gained in 40 years of production and the combination of the best technologies with the simplicity of setting the job for shaping, contouring, engraving, milling, sculpting, polishing of natural materials and synthetics as well as ceramic.

DIGIMILL is a highly productive machine both when mass production is required and for unique and original pieces.

The high speed of the movement of the axes is ensured by brushless motorization combined with ball screws, while the sliding on linear guides with ball runner blocks, the protection of the moving parts with PVC bellows, and a centralized lubrication system, guarantee quality and precision over time.

The numerical controls used are from the main world manufacturers, the software development (CAD / CAM), and the customization of the functions is guaranteed by a staff of engineers who also have the task of ensuring a constant training and assistance service.

### TECHNICAL DETAILS

Interpolated controlled axes	4 axes
X Axis transversal stroke	3,600mm
Y Axis longitudinal stroke	1.500 mm.
Z Axis vertical stroke*	350mm
C Axis rotation	Continuous
T inclined	0° + 0,28° drain board function
Working table sizes	3.600 x 1.500 mm.
Motor power	S1 – Kw. 9.2 / H.p. 12,5 and S6 Kw. 11 / H.p. 14.9
Tool Attachment	ISO40
Rotating control by inverter	0 ÷ 10.000 RPM
Tool storage capacity	20 Positions plus angular head







## AREA5

This machining center was designed with the aim of being able to offer in a single space a machine capable of being able to carry out all the processes required to a small or medium-sized laboratory.

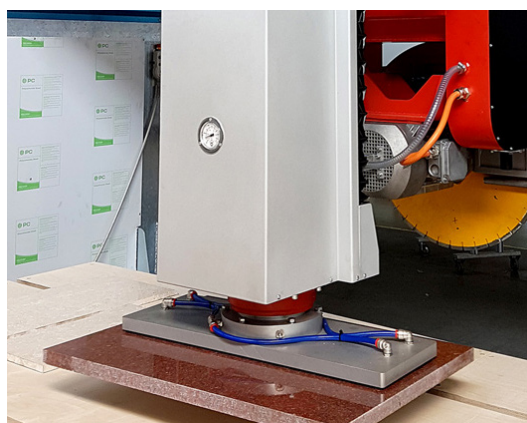
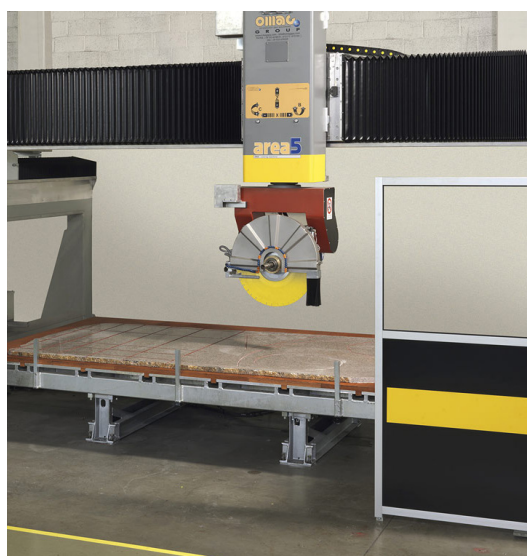
In the DUAL version, in a work shift of about 8 hours it is possible to reach a production of about 500 m2.

Cutting geometries can be imported either in standard DXF format or in CVS format (simple spreadsheet). Once the cutting geometries have been defined, you move on to the choice of positioning the individual elements in the cutting plate, the NESTING function performs this operation automatically, the user can still customise the cut respecting any grain of the material. Optimizing the cut means minimising material waste and therefore not intervening manually during the cutting phases.



### 5-axis manual & automatic (CNC) forming milling machine

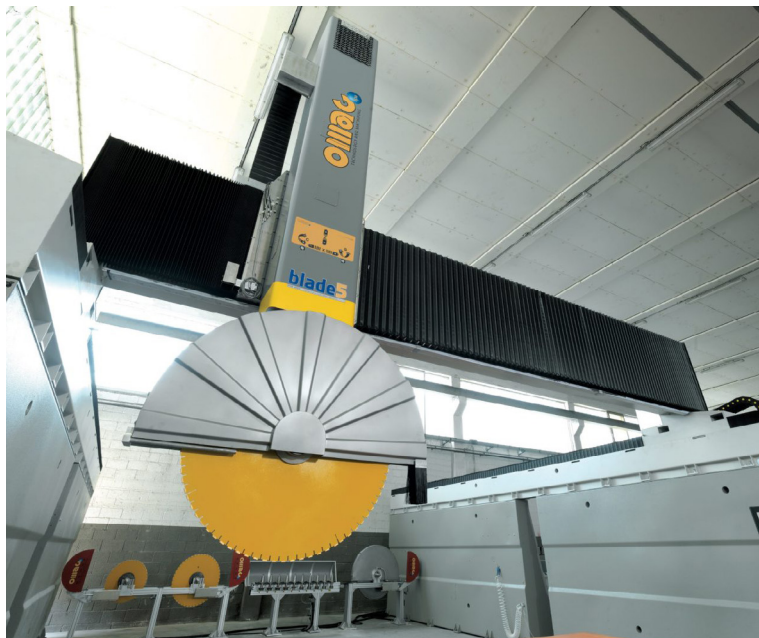
#### TECHNICAL DETAILS



Controlled axes	5 axes
Minimum disc diameter	300mm
Maximum disc diameter	1200mm
Maximum thickness cutting capacity	460mm
Spindle Motor Power	(S6) 29Kw - 39HP
Spindle Rotation by inverter	0 ÷ 8.000
Milling attachment	Manual
Tools connection	ISO50 or ISO40
Automatic Blade change	No
Tools storage	No
Head rotation (C axis)	° - 200 / + 200
Head inclination (B axis)	° 0 / + 120
Horizontal stroke (X axis)	3600mm
Bridge transversal stroke (Y axis)	2800mm
Head raising/lowering stroke (Z axis)	700mm



## BLADE5



A machine designed for working with disc of marble, stone, granite.

The technology, precision and reliability of a numerically controlled machine center make Blade 5 unique, efficient and highly reliable, a machine built for working with marble, stone and granite discs.

Blade 5 is a milling, shaping, polishing and contouring machine capable of working on different materials such as natural stone, quartz, ceramic, glass, plastics.

The high speed of the movement of the axes is ensured by a brushless motorization combined with ball screws, while the sliding on linear guides with ball bearing blocks, the protection of the moving parts with pvc bellows and an oil lubrication system centralized guarantee quality and precision over time.

The machine can be equipped with a diamond disc with a diameter of up to 1600 mm, tiltable up to 140 ° and rotatable up to 380 °.

### 5 Axis Milling Machine

#### TECHNICAL DETAILS

Interpolated controlled axes	5 axes
X AXIS transversal stroke*	3.000 mm. to 4.500 mm. on demand
X AXIS movement speed	3,500 to 6,000mm on demand
0 ÷ 50mt./min	1.500 mm. to 6.000 mm. on demand
Y AXIS longitudinal stroke*	0 ÷ 50 mt./min
Y AXIS movement speed	2,000 to 12,000mm on demand
0 ÷ 50mt./min	0 ÷ 25 mt./min
Z AXIS vertical stroke*	0° ÷ 380° continuous
Z AXIS movement speed	700 to 3,000mm on demand
0 ÷ 20mt./min	3.000 x 1.500 mm. on demand
C AXIS rotation	0° ÷ 380°
B AXIS tilting	0° +140° / 0 -140°
Working table sizes	3,500mm x 2,000mm on demand
<b>BLADE5AR VERSION</b>	
(Max) blade diameter	from Ø 500mm to Ø 1.300mm







## MILL4X CNC WORKCENTER



Omaga Mill4x is the 3/4-axis CNC working center that groups all the functions of a shaping machine and a lathe in a single system.

MILL4X is the result of OMAG experience gained in 25 years of production and the combination of the best technologies, with the simplicity of setting the job for shaping, contouring, engraving, milling, sculpting, polishing, turning of marble, granite, stones in general and glass. MILL4X is a highly productive machine both when mass production is required, and for unique and original pieces.

The high speed of the axis movement is ensured by a brushless motorization combined with ball screws, while the sliding on linear guides with ball slides, the protection of the moving parts with pvc bellows and a centralized oil, guarantee quality and precision over time.

The mobile bridge technology makes MILL4X a modular machine, as the additional application of the turning system or the lengthening of the work surface can be carried out at any time, according to the actual needs of the customer.

The numerical controls used are from the main world manufacturers, the software development (CAD / CAM) and the customization of the machine functions are carried out by an OMAG staff who also has the task of ensuring a pre and post sales training and assistance service.

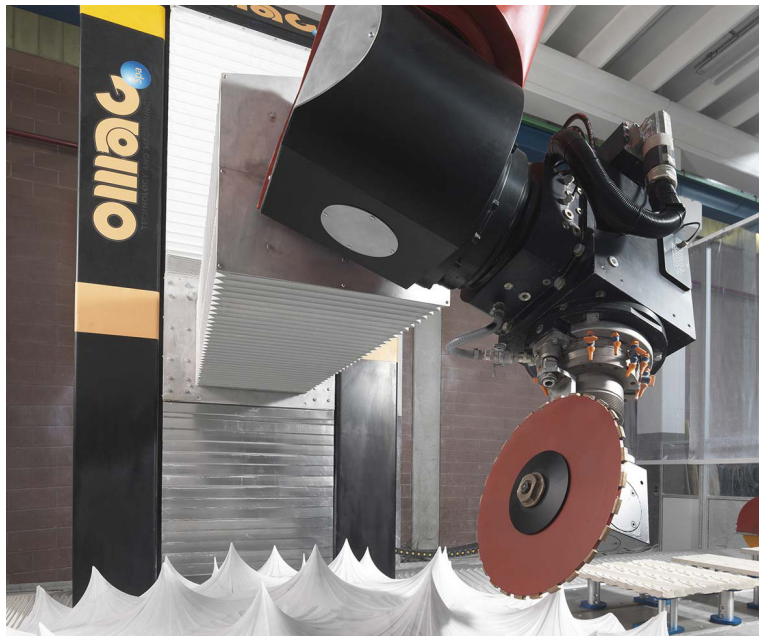
## TECHNICAL DETAILS

Interpolated controlled axes	4 axes
X Axis transversal stroke*	3.000 mm. to 4.500 mm. on demand
X Axis movement speed	0 ÷ 50 mt./min
Y Axis longitudinal stroke*	1.500 mm. to 6.000 mm. on demand
Y Axis movement speed	0 ÷ 50 mt./min
Z Axis vertical stroke*	500 mm. to 1.200 mm. on demand
Z Axis movement speed	0 ÷ 25 mt./min
C Axis rotation	0° ÷ 380° continuous
T inclined	0° + 0,28° drain board function
Working table sizes	3.000 x 1.500 mm. on demand
(Max) blade diameter version	Ø 400 mm (ISO40 Version)
Ø 500 mm (ISO50 Version)	Ø 400 mm (ISO40 Version)
Motor power	S1 - Kw. 9 / H.p. 12,24
Tool Attachment	ISO40





## TOWER7



An OMAG machining center does not limit the possibilities of work

### TECHNICAL DETAILS

Interpolated controlled axes	7 axes
X axis transversal stroke	4000mm to 12000mm on demand
X axis movement speed	0 ÷ 60m/min
Y axis longitudinal stroke	2000mm to 3000mm on demand
Y axis movement speed	0 ÷ 60m/min
Z axis vertical stroke	500mm
Z axis movement speed	24m/min
B axis rotation	0° / + 185° -185°
C axis rotation	0° / - 10° +185°
A axis rotation	0° / + 185° -185°
U axis rotation working table	3.6 rpm (weight capacity 25 - 35 tonnes)
Working table sizes	3500mm x 2000mm on demand
Maximum disc diameter Blade5NC version	1450mm
Motor power	(S1) 40Kw - 54HP

TOWER brings together all the solutions developed by OMAG, in the course of its long experience in high technology machines, this allows TOWER an extreme rigidity and a "limitless" movement capacity.

TOWER, while moving like a robot, has a torsional rigidity that is 50% higher than the classic anthropomorphic systems.

TOWER does not limit the processing possibilities, it is designed and built in such a way that it can be equipped and customised to perform each of the typical processes of a small or large laboratory.

The range of sizes with which it can be proposed means that each customer can make the best choice for their specific processing needs, thus guaranteeing a truly targeted purchase.

However, the precision mechanics also allows three-dimensional processing, bas-reliefs, inlays, kitchen tops, arches, capitals, sculptural columns.

For every possible need, TOWER, thanks to a 54 horsepower electrospindle, also designed by OMAG, can use discs of large diameter (Ø 1,600), extremely useful for all milling, roughing, and shaping needs.

The 6 axes of movement of the machine, combined with a seventh axis, which is the rotation of the work table, mean that all the faces of a piece can be machined without undercut limits.

Digital brushless motorisation





## SILO "C" SERIES



### STANDARD WATER CLARIFIER

The stainless steel silo "C series", with its multiple dimensions, is the most required clarifier in the market. Its optimal construction characteristics combined with the positioning versatility, make this product suitable for almost the totality of laboratories; producing flow capacity included from 100 to 4.000 lt/min. It's completely realised in AISI 304 and it represents the flagship of water clarifiers.

All Italmecc water systems are available with smart boosting pumps with inverter technology to guarantee stable pressure in all conditions, eliminate the start-stop that damages pumps and to avoid the damaging of the seals thanks to an automatic stop in case of lack of water.

### FEATURES

A system that will allow from 4000-8000 liters capacity, based on the size of the silo, which can clarify 260-400 liters per minute.

An electrical panel to control the chemical dosing station (flocculent), discharge valve, and also ready to add, if needed, an additional dosing station (polyamine).

As optional, the system comes with a storage tank to keep the recyclable water before it is distributed to the boosting pumps and subsequently the machinery.

This configuration works well for small-to-medium sized companies, with anything between 2 and 5 machines.

### TECHNICAL DETAILS

	Capacity (L)	Overall Dimensions (mm)	Height (mm)	with Flocculant (L/min)	without Flocculant (L/min)
C4	4000	1600	3100	260	120
C8	8000	2200	5100	400	200
C14	14000	2200	6600	600	300
C20	20000	2200	8100	800	400
C24	24000	3500	4900	1200	600
C38	38000	3500	6400	1800	1200
C52	52000	3500	7900	2500	1800
C55	55000	5000	6100	3000	2200
C83	83000	5000	7600	4000	3000



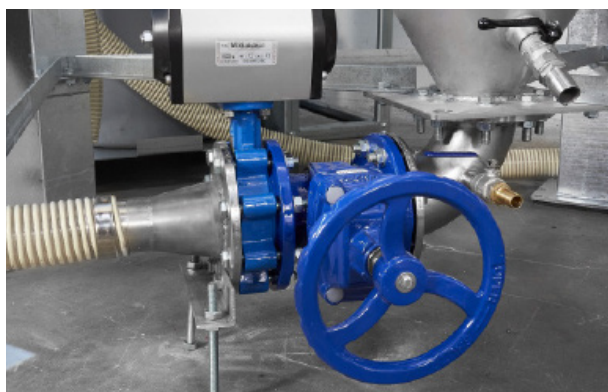


## BLUCOMB



Lamellar water clarifier Blucomb in its variations: Polystone, hot galvanized and painted, is able to treat a high quantity of water maintaining reduced dimensions, allowing the installation in laboratories with limited available space.

Lamellar self-cleaning system (optional) guarantees a better depuration efficiency and at the same time, it maintains the clarifier cleaner. Flow capacity with this system is included from 250 to 950 l/min.



### Lamellar Pack Water Clarifier

#### TECHNICAL DETAILS

	Capacity	Overall Dimensions	Height (mm)	with Flocculant	without Flocculant
BC 6.0	6 L	2650 X 1700 mm	3400 mm	500 l/min	250 l/min
BC 11.0	11 L	3150 X 2200 mm	3800 mm	900 l/min	450 l/min
BCM 8.5	8.5 L	2200 x 2200 mm	3600 mm	700 l/min	350 l/min
BCM 11.0	11 L	2200 x 2200 mm	4100 mm	900 l/min	450 l/min





## FLOCCULENT DOSING STATION

### AUTOMATIC



### SEMI-AUTOMATIC



### FEATURES

The Flocculent (or Poly-electrolyte) strongly increases the depuration performance of the system semi-automatic and fully-automatic flocculent dosing station provided of:

Agitator to keep the flocculent solution properly mixed

High precision membrane dosing pump

Connection to the water treatment main control box

### TECHNICAL DETAILS

	Capacity	Diameter	Height	Flocculent Dosage
SKID 230	230 L	680 mm	1300 mm	50 L/hr
SKID 315	315 L	835 mm	1400 mm	100 L/hr
SKID 530	530 L	885 mm	1500 mm	180 L/hr





## CNC FILTER

CNC machines spindles cooling has become a crucial point in the last years. These spindles, normally requires a water depuration level difficult to obtain with the filtration system. The application of these special filters, allows to reach the depuration level required.

Cartridges filter to feed one CNC: 3 gradual depuration stages in  $100\mu$  -  $75\mu$  -  $40\mu$

Filter with patented self-cleaning system to feed up to 5 CNCs:  $40\mu$  depuration level constant



## CNC SPINDLE FILTER





## ECOPRESS 300

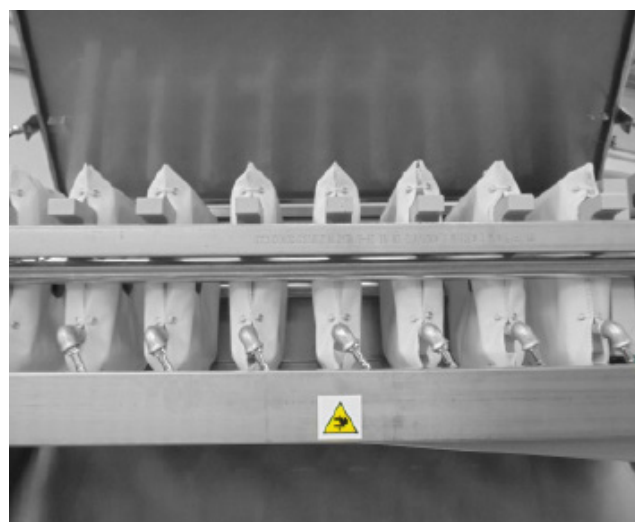


Compact filter-presses with plates dimensions 300 x 300mm for medium and small companies. Completely made in Stainless Steel AISI 304, they are the right compromise for all those laboratories that require a quick mud treatment, having little space available for the installation. It is also possible the combination, for both filter-press models, with the lamellar clarifier BCM 8.5, in a compact monobloc solution.

### Filter-press 300

#### TECHNICAL DETAILS

	Overall Dimensions	Number of Plates	Hourly Production
Ecopress 300/4	1500 x 600 x 2150 mm	4	0.036 - 0.072 m3
Ecopress 300/8	3100 x 600 x 2150 mm	8	0.084 - 0.17 m3







## ECOPRESS 800 & 500

### ECOPRESS 800



### ECOPRESS 500



## FEATURES

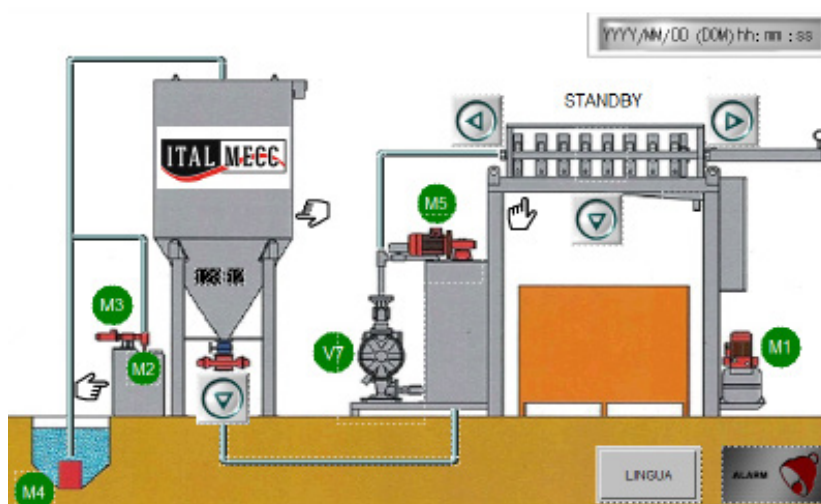
High-efficiency filter-presses, with plates dimensions of 800x800mm and 500x500mm, represent the ideal solution on the mud treatment in medium and big companies. Structural high solidity and wearing resistance, thanks to the quality of the materials used, represent the strong point of the machine. The Touch-screen control panel permits the total management of the water treatment system. It is easy and quick to be used by the operator, both in a semi-automatic or fully automatic way.

## TECHNICAL DETAILS

	Overall Dimensions	Number of Plates	Hourly Production
Ecopress 500/15	3100 x 1050 x 1250 mm	15	0.32 - 0.40 m3
Ecopress 800/9	3500 x 1500 x 1700 mm	9	0.35 - 0.60 m3
Ecopress 800/18	3500 x 1500 x 1700 mm	18	0.75 - 1.00 m3
Ecopress 800/25	4500 x 1500 x 1700 mm	25	1.06 - 1.40 m3
Ecopress 500/35	5000 x 1500 x 1700 mm	35	1.50 - 2.00 m3



Sludge Loading Pump





## FLOCCULENT DOSING STATION



### Sludge Dehydrator

#### FEATURES

Fully made in stainless steel AISI 304, the ECOFANGHI dehydrator is solid and easy to use. It represents the easier and cheaper way to remove the sludge from settlement tanks and pits. It collects the mud into proper bags that will be ready for their disposition in short time.

#### TECHNICAL DETAILS

	Overall Dimensions	Tank	Bag Capacity	Number of Bags
Ecofanghi	2850 x 500 x 1650 mm	400 L	100 L	5



**AIR QUATTRO**

The bench with dry technology uses the same filtration system as the Air Dry aspiration cabin: with water and oil proof filtering sleeves.

The self-cleaning process is controlled by the internal PLC. The dust, removed from the filters, is collected into the drawers on the bottom of the machine.

Mobile bulkheads also allow to drive aspiration flow as preferred, making it stronger in some areas, if required.

**Dry Bench Dust Collector****TECHNICAL DETAILS**

	Overall Dimensions	Height	Dimensions	Aspiration	Noise Level	Depuration
Air Quattro	3580 x 1420 x 1880 mm	950 mm	2720 x 1180 x 30 mm	9000 m3/hr	74 dB	<99.5%

**AIR 5**

**AIR 5. The Water Jet technology Dust Collector Workbench.** Particularly suitable for building works such as jambs, steps, fireplaces.

The pump placed inside the water recycling tank feeds the high-performance nozzles that create a barrier of finely atomized water. The aspirator attracts the air loaded with dust and makes it pass through the atomised water. The powders, once in contact with water, turn into mud. Periodically, the sludge deposited in the tank must be removed and the exhausted water replaced.

**Water Dust Collector Bench****TECHNICAL DETAILS**

	Overall Dimensions	Height	Dimensions	Aspiration	Noise Level	Depuration
Air Quattro	2930 x 1260 x 2100 mm	900 mm	197 x 890 x 30 mm	12000 m3/hr	74 dB	<85%





## AIRBOX

Dust collector with water technology, thanks to its versatility, is used for many processes with dry and water tools.

Its simplified but sturdy construction and the low maintenance required make this dust collector the most common for companies in stone industries and more. The AirBox utilizes high-quality materials such as: Stainless steel AISI 304 for machine body and pump and brass for the nebulization nozzles.



### TECHNICAL DETAILS

	Overall Dimensions	Aspiration	Noise Level	Depuration
Air Box 2100	2100 x 700 x 2100 mm	5000 m3/hr	75.3 dB	<85%
Air Box 3100	3100 x 700 x 2100 mm	10000 m3/hr	78.3 dB	<85%
Air Box 4100	4100 x 700 x 2100 mm	10000 m3/hr	78.3 dB	<85%
Air Box Twin	3100 x 1050 x 2100 mm	10000 m3/hr	78.3 dB	<85%

**AIR DRY****FEATURES**

Suction cabin with dry technology provided with water and oil proof filtering sleeves that give longer life time. Thanks to self-cleaning system, controlled by a PLC, the dust entrapped on the filters is released into the drawers on the bottom of the machine. Powerful fan motors installed and the large front grid, permit an efficient and homogenous aspiration for all machine front surface.

**TECHNICAL DETAILS**

	Overall Dimensions	Aspiration	Noise Level	Depuration
Air Dry 330	3290 x 860 x 2230 mm	15500 m3/hr	82 dB	<99.5%
Air Dry 430	4330 x 860 x 2230 mm	15500 m3/hr	82 dB	<99.5%

**MAGNUM****FEATURES**

It's the best support to extend the working area up to 8 meters away from the dust collector. It can be used with both technologies: dry and wet. The arm, with its position flexibility, permits the operator huge versatility; which is the primary characteristic of this kind of product.

**TECHNICAL DETAILS**

	Overall Dimensions	Arm Length
Magnum	650 x 650 x 730 mm	3 m
Speedy	2000 x 930 x 930 mm	/





## TAURUS 565

Taurus 565 is compact with great performances

Behind the taurus 565 edge polishing machine there is an advanced technological study that ranges from the realization of different projects, from a simple staircase step to a kitchen countertop.



### FEATURES

Calibration device with the possibility of calibrating a width of 60 mm;

Blade cutting, drip tray and inclined cuts;

6 frontal polishing heads and 5 abrasive heads;

Floating system for polishing granite;

Patented system that allows the execution of the processes without the help of the feedback bar;

Latest generation lubrication system with automatic monitoring of greasing times and failure reporting.

### TECHNICAL DETAILS

Front spindles	6
Bevelling spindles	2 / 4
Diameter of the calibration wheel	200 mm
Diameter of the cutting disc	300 mm
Abrasive heads diameter	130 / 150 mm
Min/max working thickness	15 / 60 mm
Feed speed (conveyor belt)	5 / 2300 mm/min
Water consumption	90 l/min
Max power required	30 kW
Overall dimensions	5000 x 1800 x 2000 mm
Machine weight	4.0 Kw







## FLOTTER 520 / 540 / 540 PLUS

The edge-polisher Flotter 520 is suitable for polishing and profiling the edges on composite stones. A small machine that is simple to use and maintain.

The electronic equipment sets the partial polishing, the on/off regulation of the polishing heads, the automatic polishing of irregular shape like winding staircase and many other possibilities.



### FEATURES

support bar with manual adjustment to support slabs with different dimensions;

1 meter roller tables to support the pieces being processed;

Kw. 4 universal cutter for upper, lower and inclined cutting with various tilting degrees;

Kw. 4 calibrator with vertical and horizontal adjustment;

5 frontal polishing heads with an independent regulation of the air pressure;

protection carter and cover in stainless steel;

the conveyor belt runs on cold drawn flat stainless steel bars of 12 mm.

### TECHNICAL DETAILS

Model	FLOTTER 520	FLOTTER 540	FLOTTER 540 PLUS
Front spindles	5	5	5
Bevelling spindles	1+1	<85 dbA	<85 dbA
2+2	2 + 2	7.5 Kw	7.5 Kw
Diameter of the calibration wheel	200 mm	100-1200 mm	100-1200 mm
-	200 mm	2500 mm	2500 mm
Diameter of the cutting disc	300 mm	10-40 mm	10-40 mm
300 Mm	300 mm	975 mm	975 mm
Abrasive heads diameter	130 / 150 mm	20-2000 mm/min	20-2000 mm/min
130 / 150 Mm	130 / 150 mm	120 mm	120 mm
Min/max working thickness	15 / 60 mm	4.0 Kw	4.0 Kw
15 / 60 Mm	15 / 60 mm	100 mm	100 mm
Feed speed (conveyor belt)	5 / 2300 mm/min	3.0 Kw	3.0 Kw
10 / 2300 Mm/min	10 / 2300 mm/min	8	8
Water consumption	60 l/min	100 mm	100 mm
70 L/min	80 l/min	1+1 or 2+2	1+1 or 2+2
Max power required	20 kW	19 kW	22 kW
Overall dimensions	3750 x 1800 mm	3750 x 1800 mm	4000 x 1800 mm
Machine weight	2700 kg	2900 kg	3000 kg



#### Single pad vacuum lifter

**Capacity: 100 to 3000 kg**

Suitable for lifting solid material, not porous, having flat surface: cut-to-size panels, tiles, stairs, small slabs, metal panels, honeycomb panels, steel elements, window's glasses, double-glazed windows.

Fast and simple handling unit, compact and sturdy constructed, suitable for continuous and heavy-duty use. Ideal under the hook lifting device, perfect complement to lifting equipment, manual and pneumatic option available.

Equipped with vacuum reservoir, built-on safety devices with acoustic and luminous alarm systems, vacuum gauge.

A big step ahead is our distinctive rubber sealing, flexible, resistant and long-lasting, that allows gripping of any material finishing (raw, polished, honed, flamed, bush-hammered, sand blasted, etc.)

### M series | Manual or Pneumatic Tilting

#### FEATURES

Manufactured with light alloy materials and galvanised steel, aluminium casting pad – long-life and rustproof.

Fast and easy replacement of the rubber sealing ring.

Can be tilted 0° to 90°, to lift and lay down materials both horizontally that vertically (upright).

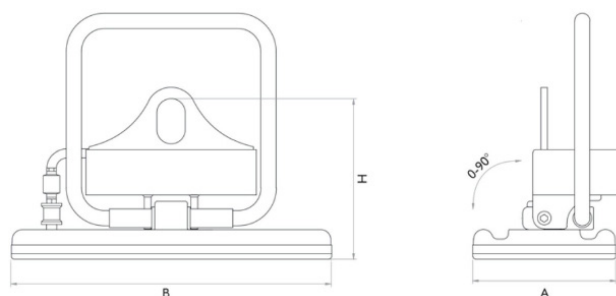
Pivoting axis close to the pad to facilitate the vertical positioning.

Adjustable inclination of the manoeuvring handle.

Detachable and rechargeable vacuum leakage alarm with buzzer and warning lights activated by a vacuum switch, apart battery charger.

One-direction valves to allow vacuum keeping also in case of pipe cuts/vacuum loss.

ON/OFF sliding valve with locking device against accidental releasing.



#### TECHNICAL DETAILS

Model	A	B	H	Weight	V/H/ Capacity
M2040	200	420	260	18	60/120
M2550	250	560	260	20	125/250
M3570	350	680	260	30	250/500
M5085	500	860	270	40	500/1000
M55110	560	1100	300	140	750/1500
M60120	610	1200	300	180	1000/2000
M90120	900	1200	300	210	1500/3000

**Two and three pad vacuum lifter****Capacity: 250 to 1500 kg**

Suitable for lifting solid material, not porous, having flat surface: cut-to-size panels, tiles, stairs, small slabs, metal panels, honeycomb panels, steel elements, window's glasses, double-glazed windows.

Fast and simple handling unit, compact and sturdy constructed, suitable for continuous and heavy-duty use. Ideal under the hook lifting device, perfect complement to lifting equipment, manual and pneumatic option available.

Equipped with vacuum reservoir, built-on safety devices with acoustic and luminous alarm systems, vacuum gauge.

A big step ahead is our distinctive rubber sealing, flexible, resistant and long-lasting, that allows gripping of any material finishing (raw, polished, honed, flamed, bush-hammered, sand blasted, etc.

**S series | 2 & 3 Pads | Manual Tilting****FEATURES**

Manufactured with light alloy materials and galvanised steel, aluminium casting pad – long-life and rustproof;

fast and easy replacement of the rubber sealing ring;

can be tilted 0° to 90°, to lift and lay down materials both horizontally that vertically (upright);

pivoting axis close to the pad to facilitate the vertical positioning;

adjustable inclination of the manoeuvring handle;

detachable and rechargeable vacuum leakage alarm with buzzer and warning lights activated by a vacuum switch, apart battery charger;

one-direction valves to allow vacuum keeping also in case of pipe cuts/vacuum loss;

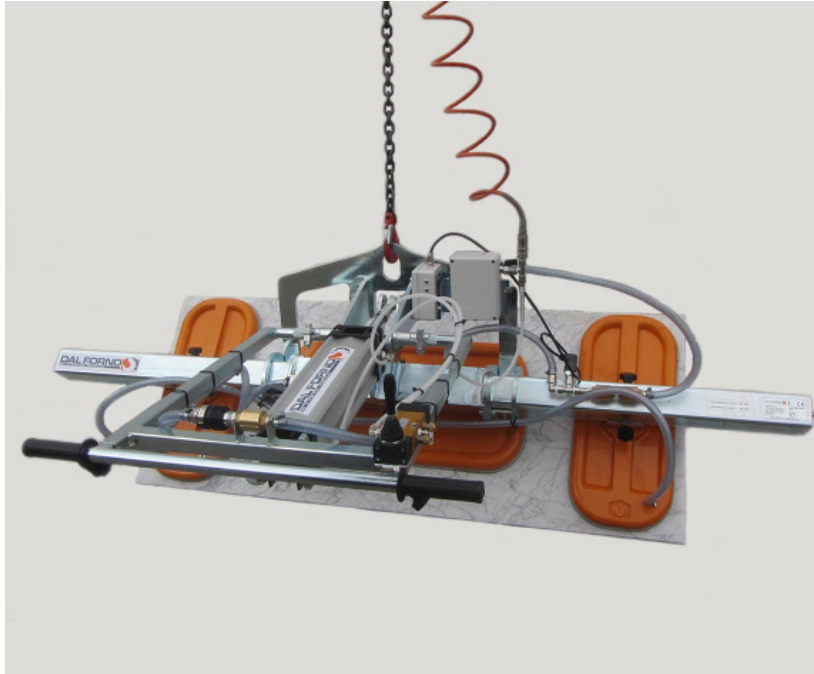
**2 PAD TECHNICAL DETAILS**

Model	Dimensions (mm)				Weight (kg)	V/H Cap. (kg)
	A	B	H	L		
L2S 2040	200	420	467	1550	47	125/250
L2S 2550	250	560	467	1550	53	250/500
L2S 3570	350	680	467	1550	60	500/1000

**3 PAD TECHNICAL DETAILS**

Model	Dimensions (mm)					Weight (kg)	V/H Cap. (kg)
	A	B	H	L	Middle Pad		
L3S 2040	200	420	325	1550	200 x 420	57	185/370
LS3 2040/50	200	420	325	1550	250 x 560	60	250/500
L3S 2550	250	560	325	1550	250 x 560	66	375/750
L3S 2550/70	250	560	325	1550	350 x 680	72	500/1000
L3S 3570	350	670	325	1550	350 x 680	85	750/1500





**Up to six pad vacuum lifter**

**Capacity: 400 to 1500 kg**

Suitable for lifting solid material, not porous, having flat surface: cut-to-size panels, tiles, stairs, small slabs, metal panels, honeycomb panels, steel elements, window's glasses, double-glazed windows.

Fast and simple handling unit, compact and sturdy constructed, suitable for continuous and heavy-duty use. Ideal under the hook lifting device, perfect complement to lifting equipment, manual and pneumatic option available.

Equipped with vacuum reservoir, built-on safety devices with acoustic and luminous alarm systems, vacuum gauge.

A big step ahead is our distinctive rubber sealing, flexible, resistant and long-lasting, that allows gripping of any material finishing (raw, polished, honed, flamed, bush-hammered, sand blasted, etc.)

**L & VL series | Up to 6 Pads | Manual and Pneumatic Tilting**

**FEATURES**

Manufactured with light alloy materials and galvanised steel, aluminium casting pad – long-life and rustproof.

Fast and easy replacement of the rubber sealing ring.

Can be tilted 0° to 90°, to lift and lay down materials both horizontally that vertically (upright).

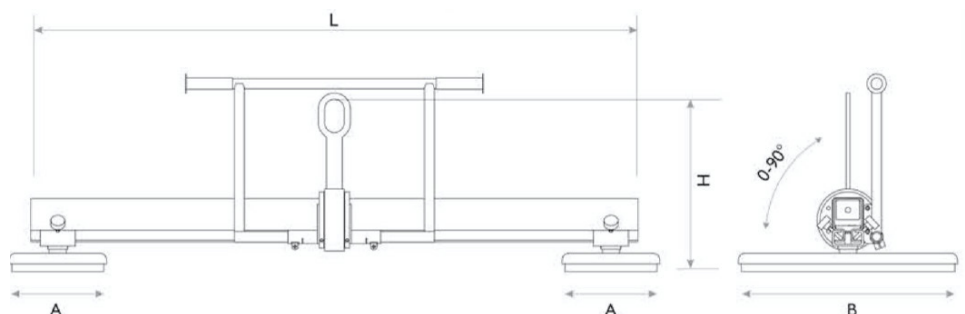
Pivoting axis close to the pad to facilitate the vertical positioning.

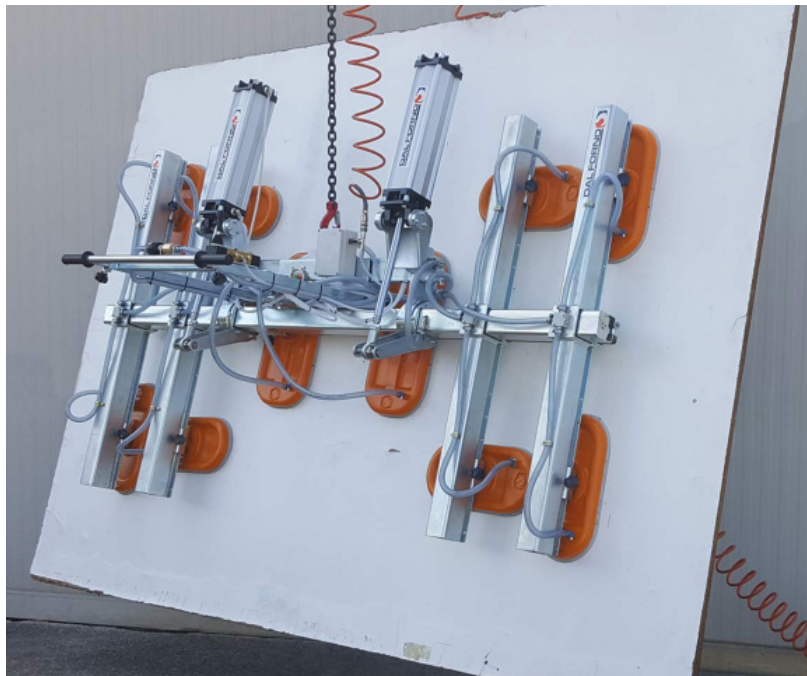
Adjustable inclination of the manoeuvring handle.

Detachable and rechargeable vacuum leakage alarm with buzzer and warning lights activated by a vacuum switch, apart battery charger.

**TECHNICAL DETAILS**

Model	Dimensions (mm)					Weight (kg)	V/H Cap. (kg)
	A	B	H	L	Middle Pad		
L2L 2550	250	560	430	2000		74	250/500
L3L 2550	250	560	430	2000	250 x 560	82	375/750
L3L 2550/70	250	560	430	2000	350 x 680	88	500/1000
L2L 3570	350	680	430	2000		85	500/1000
L3L 3570	350	680	430	2000	350 x 680	100	750/1500



**Up to ten pad vacuum lifter****Capacity: 500 to 1500 kg**

Suitable for lifting solid material, not porous, having flat surface: cut-to-size panels, tiles, stairs, small slabs, metal panels, honeycomb panels, steel elements, window's glasses, double-glazed windows.

Fast and simple handling unit, compact and sturdy constructed, suitable for continuous and heavy-duty use. Ideal under the hook lifting device, perfect complement to lifting equipment, manual and pneumatic option available.

Equipped with vacuum reservoir, built-on safety devices with acoustic and luminous alarm systems, vacuum gauge.

A big step ahead is our distinctive rubber sealing, flexible, resistant and long-lasting, that allows gripping of any material finishing (raw, polished, honed, flamed, bush-hammered, sand blasted, etc.)

**X series | 5-10 Pads | Manual and Pneumatic Tilting****FEATURES**

Manufactured with light alloy materials and galvanised steel, aluminium casting pad – long-life and rustproof.

Can be tilted 0° to 90°, to lift and lay down materials both horizontally that vertically.

Pivoting axis close to the pad to facilitate the vertical positioning.

Adjustable inclination of the manoeuvring handle.

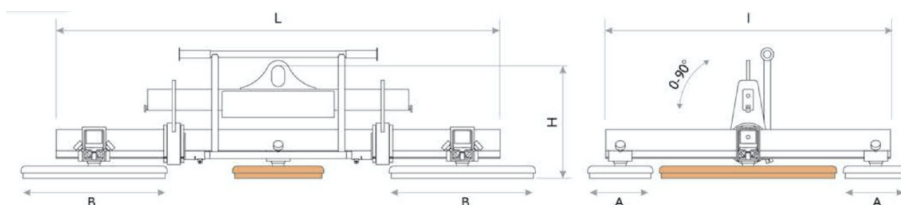
Detachable and rechargeable vacuum leakage alarm with buzzer and warning lights activated by a vacuum switch, apart battery charger.

One-direction valves to allow vacuum keeping also in case of pipe cuts/vacuum loss.

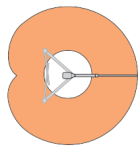
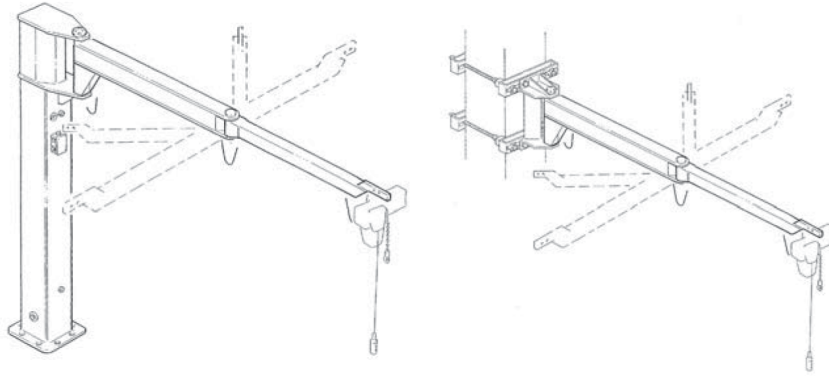
ON/OFF sliding valve with locking device against accidental releasing in compliance with the CE Machine Directive to conform the EU standards for CE marking.

**TECHNICAL DETAILS**

Model	Dimensions (mm)					Weight (kg)	V/H Cap. (kg)
	A	B	H	L	I		
X4L 2040	200	420	430	2000	1300	120	200/500
X5L 2040	200	420	430	2000	1300	125	300/600
X5L 2040/50	200	420	430	2000	1300	127	375/750
X4L 2550	250	560	430	2000	1300	130	500/1000
X5L 2550	250	560	430	2000	1300	140	625/1250
X5L 2550/70	250	560	430	2000	1300	145	750/1500

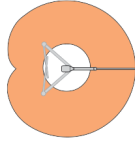


## S Model



360°

Area servita  
Slewing range



360°

Area servita  
Slewing range

### "S" articulated jib model

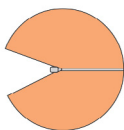
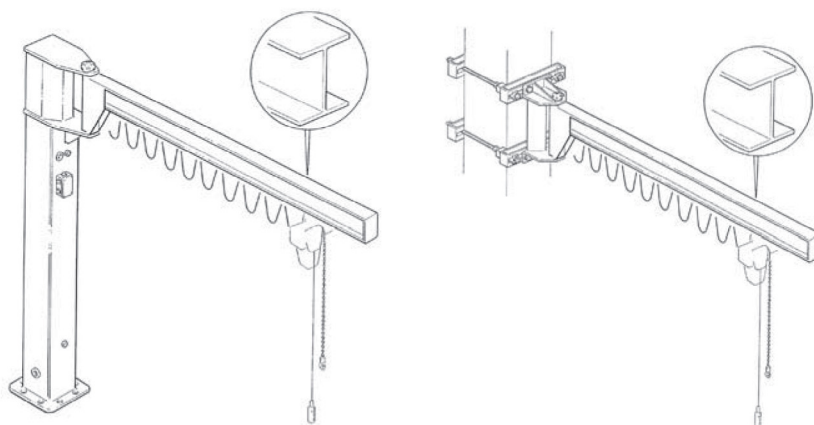
Capacity 125 to 500 kg

Jib length 3 to 7 m

The jib of this model is articulated in two "hinged segments" which allow the handling even if fixed obstacles are present. This model permits the best use of the vertical room available and the clockwise/anticlockwise swing for more than 360°.

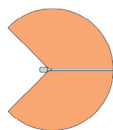
Capacity (kg)	Jib Length (m)	Total Column Height (m)
125	3-7	3-5
250	3-7	3-5
500	3-7	3-5

## T Model



290°

Area servita  
Slewing range



250°

Area servita  
Slewing range

### "T" cantilever jib model

Capacity 125 to 2000 kg

Jib length 2 to 5 m

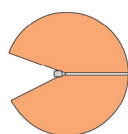
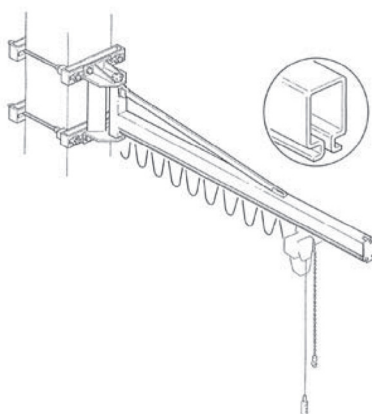
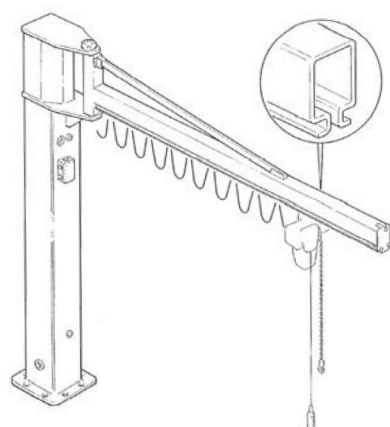
This model allows the best use of the vertical room available thanks to the absence of rod and permits the maximum use of the hook path. The arm allows the addition of electric or mechanical push-trolleys.

Capacity (kg)	Jib Length (m)	Total Column Height (m)
125	2-5	3-5
250	2-5	3-5
500	2-5	3-5
1000	2-5	3-5
2000	2-5	3-5

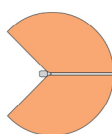




## C Model



300°

Area servita  
Slewing range

270°

Area servita  
Slewing range

### "C" channel profile jib model

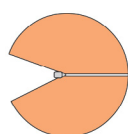
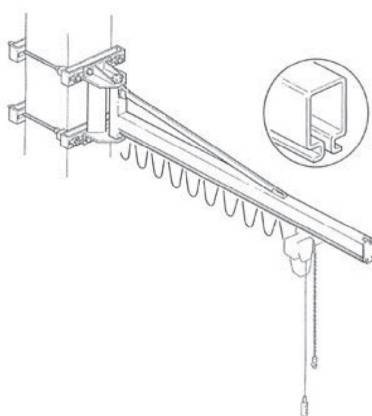
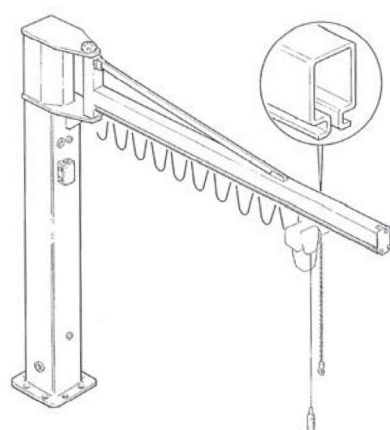
Capacity range 125 to 1000 kg

Jib length 3 to 7 m

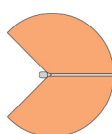
This model is characterized by the extreme ease of handling due to the low inertia deriving from the light weight. The jib is normally fitted with a special "channel" profile trolley, which allows it to be easily push/pull.

Capacity (kg)	Jib Length (m)	Total Column Height (m)
125	3-7	3-5
250	3-7	3-5
500	3-7	3-5
1000	3-7	3-5

## H Model



300°

Area servita  
Slewing range

270°

Area servita  
Slewing range

### "H" overbraced jib model

Capacity 250 to 2000 kg

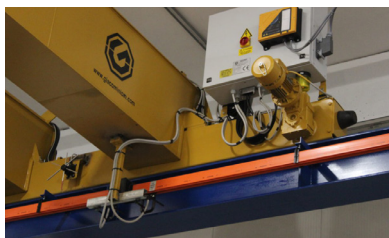
Jib length 4 to 8 m

This model allows the use of the jib crane for greater capacities and slewing range than the C and T models. The jib allows the addition of electric and mechanical push-trolleys.

Capacity (kg)	Jib Length (m)	Total Column Height (m)
250	4-8	3-5
500	4-8	3-5
1000	4-7	3-5
2000	4-5	3-5

## GIACOMINI OFFICINE MECCANICHE SRL

## BRIDGE CRANE



Originally designed for the specific requirements of handling blocks of granite and marble, gantry cranes have progressively extended their field of industrial application.

In fact, the versatility of these lifting devices allows optimizing space management thanks to their ability to overcome any obstacle in all types of depots.

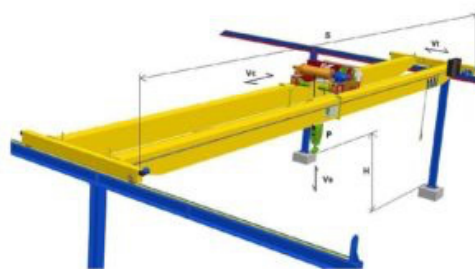
Giacomini Officine Meccaniche manufactures single and dual beam gantry cranes with capacities from 2 to 100 tons and axle-bases from 5 to 40 m, with overhanging side arms proportional to the wheel base.

We also offer personalized solutions developed by a staff of expert technicians that stay constantly abreast of progress in the industry. Every request, even the most complex, is welcomed as an opportunity to gain yet another completely satisfied customer.



### SINGLE BEAM TECHNICAL DETAILS

Capacity / kg	S / m	H / m	Vs / m/min	Vc / m/min	Vt / m/min
2000 - 10000	10 - 25	5 - 12	4/1	18/6 or 20/5	32/8 or 40/10



### DOUBLE BEAM TECHNICAL DETAILS

Capacity / kg	S / m	H / m	Vs / m/min	Vc / m/min	Vt / m/min
3200 - 12500	10 - 30	5 - 12	4/1	16/4 or 20/5	32/8 or 40/10
16000 - 60000	10 - 30	5 - 12	3/1.5	16/4 or 20/5	32/8 or 40/10



# GIACOMINI

OFFICINE MECCANICHE SRL

## GANTRY CRANE



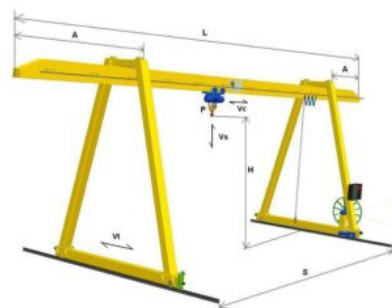
Their positioning above vehicle pathways and their ability to overcome any obstacle have allowed better management of the internal areas of industrial buildings.

Overhead bridge cranes, with one or two beams depending on the need, can be equipped with either a block and tackle supplied by any of several important European companies or a winch that we manufacture and supply ourselves.

From the point of view of our product and the professional services we offer our customers, Giacomini Officine Meccaniche is able to provide the best solution for each specific need of gantry cranes and overhead bridge cranes, while carefully respecting the requirements of your budget, thanks to our highly qualified engineering department.

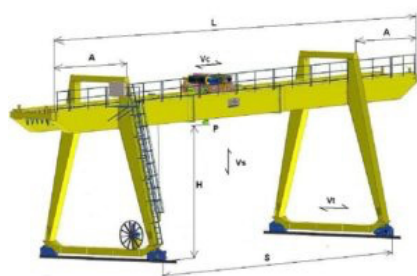
It is precise because of our flexibility that we were able to install several automatic/robotic systems in the papermaking and metallurgical sectors.

Every machine is designed according to customer requirements.



### SINGLE BEAM TECHNICAL DETAILS

Capacity / kg	S / m	A / m	H / m	L / m	Vs / m/min	Vc / m/min	Vt / m/min
3200 - 12500 depends on model	6 - 30	2 - 9	5 - 12	10 - 48	4/ 1.3	18/6 or 20/5	32/8 or 40/ 10



### DOUBLE BEAM TECHNICAL DETAILS

Capacity / kg	S / m	A / m	H / m	L / m	Vs / m/min	Vc / m/min	Vt / m/min
16000 - 60000d depends on model	10 - 36	2 - 9	6 - 12	14 - 54	3/ 1.5	16/4 or 20/5	32/8 or 40/ 10

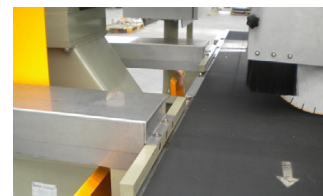




## APL - AUTOMATIC CROSS CUTTING MACHINE



DONATONI APL cross cutter develops from the APN series to meet the increasing demand for more efficient use of materials.



### Automatic Cross Cutting Machine

#### ADVANTAGES

Works with single-pass cutting for marble of various lengths and thicknesses, guaranteeing precision and high productivity;

Its solid structure supports and handle heavy slabs;

The supporting surface is comprised of a thick, motorised rubber belt, offering two speeds: a fast one, to approach the required measurement, and a slow one, for precise material positioning;

It is fitted with pneumatic clamps, to hold down the slab, synchronised with the cutting phases;

It allows the operator to perform made-to-measure cuts thanks to manually adjustable recessed reference marks fitted on the bench;

It operates with motor/spindle, with belt transmission, with the possibility of rpm variation based on the material being cut;

It is possible to adjust the disc cutting depth on the belt, taking disc wear into account, thanks to the automatic up/down movement of keyboard adjustable spindle carriage;

#### TECHNICAL DETAILS

Useful cutting width	610 mm	1000 mm	610 mm	1000 mm
Max blades diameter	400 mm	400 mm	500 mm	625 mm
Max cutting thickness	100 mm	100 mm	150 mm	200 mm
Blade/blades motor power	7.5 kW	7.5 kW	15 kW	15 kW
Installed power	10.5 kW	10.5 kW	19 kW	19 kW
Water Con.	20 l/min	20 l/min	20 l/min	20 l/min
Compressed air consumption	15 l/min	15 l/min	15 l/min	15 l/min
Machine weight	2100 kg	2400 kg	2400 kg	2550 kg

**DM1 SINGLE BLADE CROSS CUTTING MACHINE**

The main feature of the DONATONI cross cutting machine type DM1X is its flexibility in being able to cut both marble and granite, allowing the operator to vary the diameter of the blade autonomously (400 for marble and 350 for granite).

**Cross-Cutting Machine****TECHNICAL DETAILS**

Useful cutting width	610 mm	610 mm	610 mm	610 mm	610 mm
Maximum blades diameter	100 mm	100 mm	100 mm	150 mm	200 mm
Maximum cutting thickness	350/400 mm	350 mm	400 mm	500 mm	620 mm
Blade/blades motor power	A rulli folli / Idle rollers	A rulli folli / Idle rollers	A rulli folli / Idle rollers	A rulli folli / Idle rollers	A rulli folli / Idle rollers
Installed power	7,5 kW	7,5 kW	9,2 kW	11 kW	15 kW
Water Consumption	8,5 kW	8,5 kW	10 kW	12 kW	16 kW
Compressed air consumption	20 l/min	20 l/min	20 l/min	20 l/min	20 l/min
Machine weight	15 l/min	15 l/min	15 l/min	15 l/min	15 l/min
Compressed air consumption	15 l/min	15 l/min	15 l/min	15 l/min	15 l/min
Main motor rotation speed	1,3 t circa	1,2 t circa	1,25 t circa	1,4 t circa	1,5 t circa

**ADVANTAGES**

Simple, compact and reliable for marble and granite.

Idle roller table.

Mobile retractable stops for custom size cuts.

Manual material positioning.

Belt-driven power transmission (no direct power transmission to motor).



## FL - HEAVY MULTI-BLADE TRIMMING MACHINE



FL linear trimming machines are part of the wide range of trimming machines designed and built by DONATONI for single-pass lengthwise cutting of strips and tiles with the manual positioning system.

They are designed to trim exceptionally hard materials – porphyry, slate – and have also found many applications in the marble and granite sector.

### Heavy Multi-blade trimming machine

#### FEATURES

The series of FL linear trimming machines:

they are made of a sturdy solid and compact steel structure;

they have a support table made of a thick motorised rubber belt with adjustable forward speed according to the thickness and type of material to be cut;

they have a device that automatically slows down the conveyor belt speed when cutting whenever any one of the cutting units exceeds its maximum installed power limits;

#### TECHNICAL DETAILS

800 mm	1200 mm	1400 mm	2000 mm	1000 mm
Table useful length	3350 mm	3350 mm	3350 mm	v
Number of spindle units	2 - 4	2 - 4	2 - 5	2 - 5
Maximum blades diameter	400 mm	400 mm	400 mm	400 mm
Maximum cutting thickness	80 mm	80 mm	80 mm	80 mm
Minimum cutting size between blades	200 mm / 600 mm	200 mm / 600 mm	200 mm / 600 mm	200 mm / 600 mm
Sled or carrying spindle/motor bridge vertical travel	90 mm	90 mm	90 mm	90 mm
Blade/blades motor power	15 kW	15 kW	15 kW	15 kW
Belt motor power	1.5 kW	1.5 kW	1.5 kW	1.5 kW
Spindle unit/s lateral movement motor power	0.3 kW	0.3 kW	0.3 kW	0.3 kW
Water consumption	20 l/min per group	20 l/min per group	20 l/min per group	20 l/min per group
Machine weight	4500 kg	4800 kg	5000 kg	6100 kg
Overall dimensions	4300 x 2400 x 2050h mm	4300 x 2400 x 2050h mm	4300 x 2700 x 2050h mm	4300 x 3800 x 2050h mm





## SC3 HORIZONTAL SPLITTING MACHINE



The DONATONI SC3 splitting machine cuts marble strips and tiles horizontally into two parts.



### Horizontal Splitting Machine

#### FEATURES

the positioning of the spindle units in the lower part of the cutting surface, giving the operator better accessibility and greater control of the machine with easy and fast tool changing;

the disk carrier spindles remain fixed and the thickness of the material is changed through the vertical movement of the belt surface, shown on the display, ensuring greater cut alignment accuracy;

the vertical movement of the belt is motorised and synchronised on 4 columns that make up the structure;

each spindle unit is independent and the motion between the motor and the spindle is powered by the drive belt;

it features a hermetically closed structure, which ensures noise reduction and the containment of processing water, in addition to operator safety;

splitting the cut with several disks requires less spindle power, thus guaranteeing higher cutting speed and higher yield in production;

it is equipped with a device that automatically slows down the feed rate of the conveyor belt during the cutting process, when any of the cutting units exceeds the safety limit;

#### TECHNICAL DETAILS

Useful cutting width	250-630 mm
Table useful length	6000 mm
Number of spindle units (paired and opposed)	6
Maximum disk diameter	2 x 550 / 2 x 700 / 2 x 850 mm
Material thickness (inout)	22- 100 mm
Useful thickness (output)	10 - 40 mm
Spindles motor power	18 kW x 6 groups
Installed power	112 kW
Water Consumption	100 l/min
Machine weight	6000 kg
Overall Dimensions	6000 x 2000 x 2100 mm









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