



**ARTICULATED WIRE SAW
FOR CUTTING STONE,
MARBLE AND GRANITE.**

MD DARIO s.r.l.

Segatrici per legno e pietra



A continual search for solutions.

MD DARIO s.r.l.

was founded in the '70s as a modelling company and started the manufacture of band saws for timber, adapting and developing its products for the processing of many different materials, such as metal, glass, plastics, etc.

Over the years the sawing machines have been adapted with a further development to cut marble and granite, using diamond blades or wires, hence entering into the stone cutting and shaping sector.

Continual study and research to find solutions for problems of the customers has brought about the realisation of many innovative accessories that now distinguish the MD DARIO sawing machines from other conventional models.

Manual, safe and easy to use.

The freedom of movement and the possibility to rotate the machine to any angle permits the realization of cuts and contours with maximum precision and creativity.

From the most simple to the most complex machines, the MD DARIO band saws can meet all requirements, whether used for hobbies or for more complex and special industrial applications.

Taking part at national and international exhibitions the company initially entered the inland market and subsequently decided to offer its products on the European market.

Obtaining excellent consent where it intended to enter and on the basis of the success achieved nowadays MD DARIO operates world-wide, exporting about 70% of the products manufactured.

MD DARIO s.r.l. protects its production and its innovations with patents registered for both the machines constructed and for the optional accessories.

MD DARIO sawing machine with diamond wire for cutting stone, marble and granite.

MD DARIO sawing machines, safe and simple to use, are run by an operator by hand and designed and built to cut with a diamond wire.

Ideal for all types of shaped cuts MD DARIO machines are especially used in funeral sector, building trade, urban construction, in the production of columns, balustrades and arches.

It is available in two different models STM 300 and STM 400: the former allows you to cut up marble to 15 cm and the second one up to 35 cm in maximum safety, by means of a special protection put around the wire, that safeguards the housing, in compliance with all regulations and laws in force.

The main feature that distinguishes the MD DARIO sawing machines from conventional models is:

- 1- *The articulated arm and the column (our production) that, with a special system of joints, allows the machine to rotate easily and smoothly in any direction without displacing the work piece.*
- 2- *An hydraulic motor with variable speed for cutting marble and granite.*
- 3- *The interchangeable flywheels which permit you to use the machine with the blade as well as with the diamond wire.*
- 4- *Adjustable wire protection for maximum safety.*
- 5- *Specific accessories so as to obtain cuts with a fixed radius, inclined and serial.*
- 6- *Opportunity to anchor the column to the floor or on mobile platform grille.*



BS-400 Articulated arm.

Costituito da un insieme di snodi, il braccio snodabile è lo strumento che caratterizza tutti i macchinari MD DARIO ed è ciò che permette di ruotare la segatrice in qualsiasi direzione con estrema facilità.

Si fissa su Colonna dando il là al SET 300 e SET 400.

**On the picture:
articulated arm**

SET 300:

Wire Saw STM 300 with hydraulic motor, articulated arm, central column and material support.

Suitable to make cuts of maximum 15 cm of marble and 10 cm of granite, SET 300 is composed of: sawing STM 300 with hydraulic motor, articulated arm, central column and material support.

Manual and easy to use SET 300 can be fixed to the ground or on a special grid platform that can be moved to the place you want to work. The articulated arm, by turning around the column, allows the saw to rotate up to 360° making it ideal for all sorts of shaped cuts such as arches and circumferences.

In SET 300 equipment there is also a special **COPYING DEVICE FOR SABLONE AND ARCHES**. This small accessory with ring shape is placed in a specific cavity under the wire-guide and perfectly follows contours and arcs of any shape and circumference so that you can cut out any form.

INCLINABLE DEVICE for angled cutting up to 45°
is available as an optional

TECHNICAL DATES	STM 0300
Cutting width	400 mm.
Cutting height for marble	100-150 mm.
Cutting height for granite	80-100 mm.
Max. diamond wire lenght	2400 mm.
Max. diamond blade lenght	2450 mm.
Threephase electric motor	Volt48-Kw1,8-HP2,5
Hydraulic motor	Variable speed

Device for cutting arches.

A special metal bar allows you to fix the saw to the column. This gives you the possibility to rotate manually the saw all around the work piece so that you can realize arches and circumferences up to 360°.



STM 300 version with fixed bench.

If you need to maintain a fixed sawing machine in order to work small pieces, you can resort to both SET 300 and SET 400 in a version with fixed bench. It has an electric motor with low tension and fixed speed.

Suitable for manual working of small craft pieces as mosaics, inlaid works, bricolage, handicraft that require a maximum height of 100-150 mm and 280-350 mm. The stable and secure base is an excellent support for SET 300 in the fixed branch version with electric motor. Easy to move thanks to the side wheels it has also an internal space, where you can put the working tools.

SET 400:

Wire Saw 400 with hydraulic motor, articulated arm, central column, inclinable device and material support.

SET 400 is able to cut marble and stone up to 35 cm, and granite up to 25 cm.

Thanks to this height of cut, Set 400 is particularly suitable for funeral sector, building, urban construction (such as curbs), ecc.

Set 400 includes **COPYING DEVICES FOR SABLONE AND ARCHES**, and an **INCLINABLE DEVICE** that permits the machine to reach 45° inclination.

The machine is manual with a hydraulic motor of variable speed. Some years ago MD DARIO has also introduced the new **DEVICE FOR CUTTING ARCHES AUTOMATICALLY**: a particular accessory applied to SET 400 which permits you to have a continuous cut of material by using special arc templates available in different size.

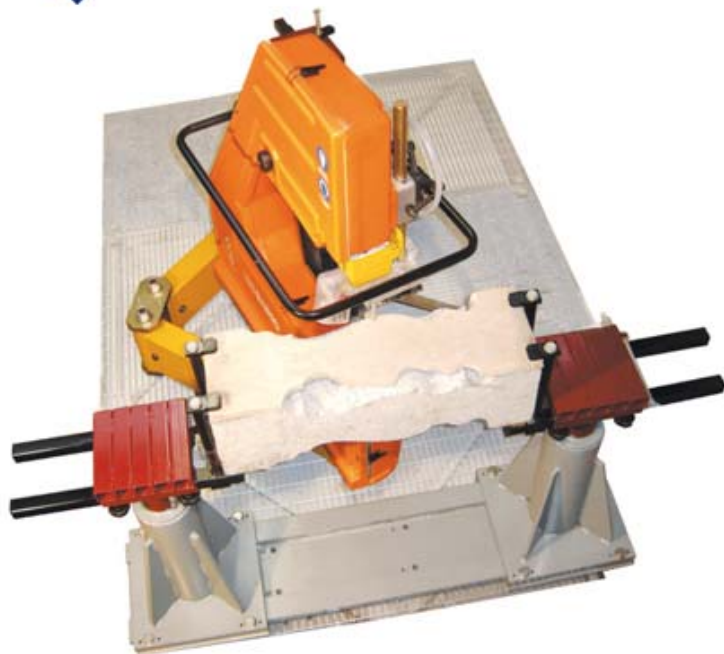
TECHNICAL DATES

STM 0400

Cutting width	650 mm.
Cutting height for marble	300-350 mm.
Cutting height for granite	250-280 mm.
Max. diamond wire lenght	3600 mm.
Max. diamond blade lenght	3650 mm.
Hydraulic motor	Variable speed

Additional Column.

It is possible to add one more column, ideal to fix the work piece on the two column and cut it on both sides without the need to move it. Suitable for arches and balustrades productions.



Inclinable device.



permits you to obtain a frontal inclination cut from 0° to 45°

Accessori e dispositivi / Accessories and devices

Automatic feed device for cutting arches.

It permits you to have a continuous cut of material by using special arc templates available in different size. ▶

Through an hydraulic system, a pinion is put into gear with a rack-rail fixed on a template so that the saw can move forward automatically without the operator's lead.

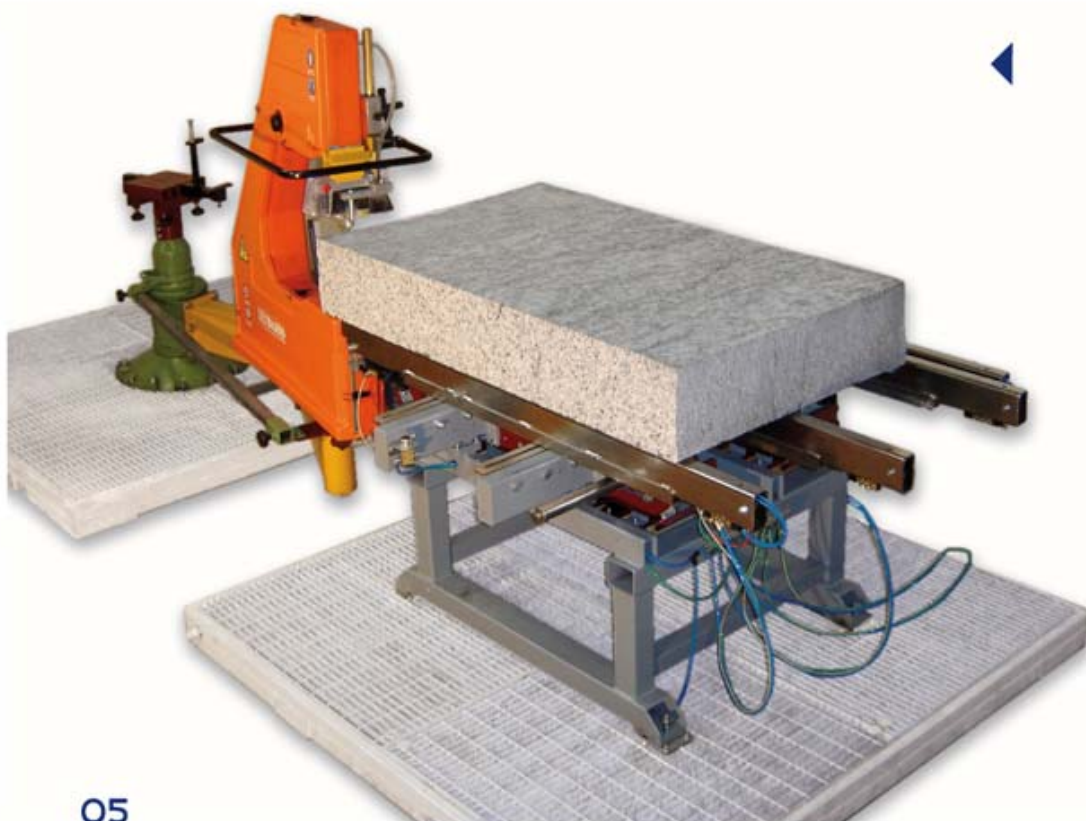


Material advance support and anti-fall device.

◀ This special device is designed on purpose to support big and heavy pieces of marble which are difficult to move.

As the sawing machine proceeds, two steel bars operate automatically in order to support the work piece, avoiding its fall.

Furthermore this device has a mechanical system that allows you to move forward the piece from time to time, by placing it in the exact point of cut.



Fili diamantati / Diamond wires

per STM 300:

2400 X 6 mm

2400 X 8 mm

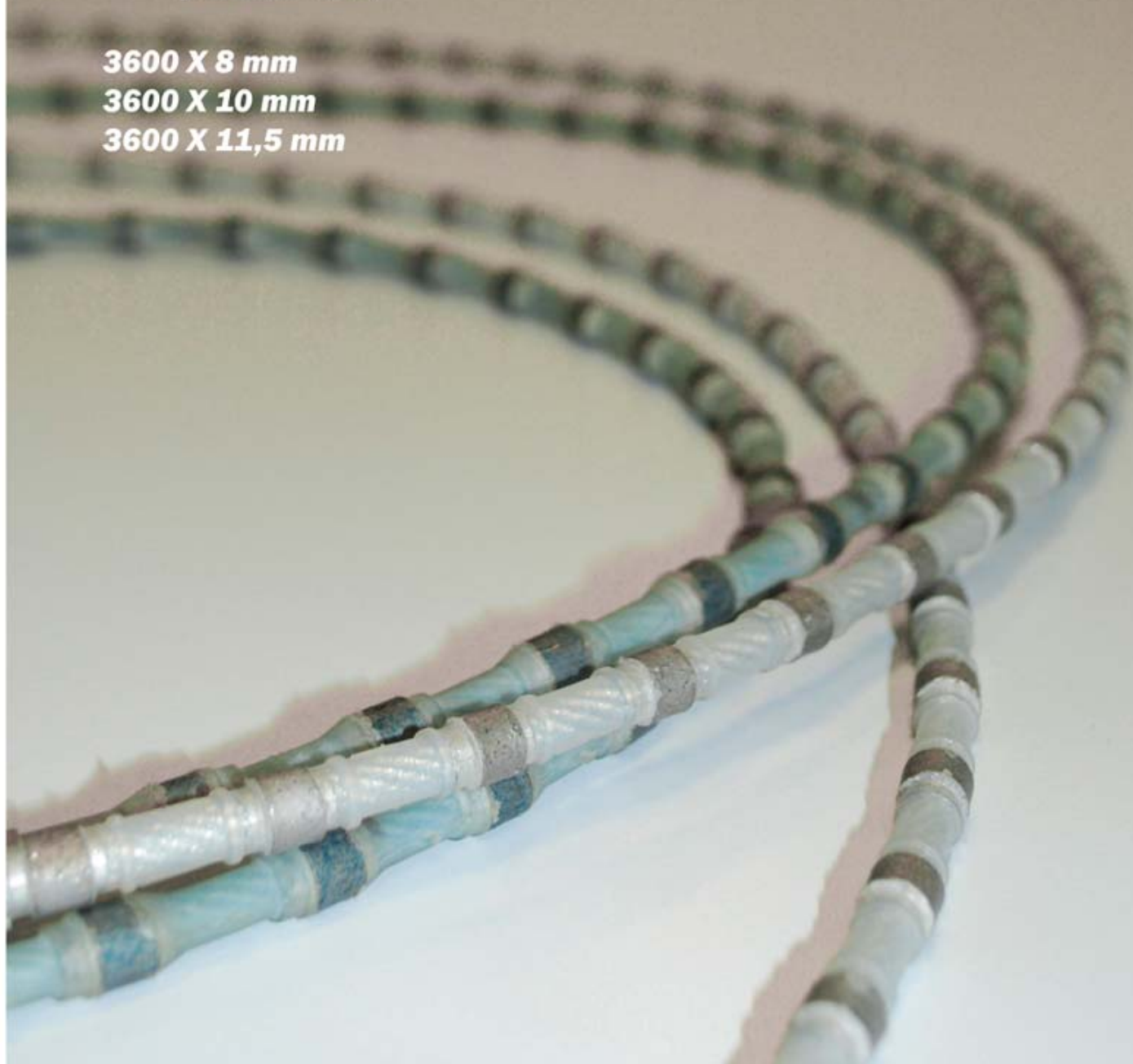
2400 X 10 mm

per STM 400:

3600 X 8 mm

3600 X 10 mm

3600 X 11,5 mm



Contact



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Come raggiungerci: dall'Autostrada

Prendere l'uscita in direzione Cessalto e seguire
Motta di Livenza / Zona Industriale Sud.
A Calstorta continuare su SP54.
Alla rotonda prendere la 2 uscita e continuare
su SP54.
Arrivo in Via Magnadola 46 sulla SX.



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