

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

GB



MD DARIO
Specialized in bandsaws since 1970

MD DARIO diamond wire saw machine

for the precision cutting and shaping of stone, marble and granite.

MD DARIO diamond wire saw machines, safe and simple to use.

They run manually by an operator and designed, built and conceived for a safe cutting by the use of a diamond wire.

Ideal for all types of shaped cuts, MD DARIO machines are used in the urban, industrial and civilian construction sectors, such as roadworks, funerary insignia, for the production and shaping of columns, balustrades, arches and bollards.

The machine is available in different models that allow cutting sizes ranging up to 55 cm / 21 1/2" in maximum safety, by means of a special housing protection system positioned around the cutting wire, safeguarding the operator.

MD DARIO offers the following unique features in its sawing machines:

- 1 - *The articulated arm and the column (by use of a special system of joints) allows machine to rotate easily and smoothly in any direction, without the need to move the crafted and shaped material***
- 2 - *The machine comes with an hydraulic motor with variable speed configuration and conceived for the cutting of marble and granite***
- 3 - *Adjustable wire protection housing for a maximum security***
- 4 - *Specific accessories to obtain fixed radius, inclined and serial cuts***
- 5 - *Opportunity to fix the column to the floor or on a platform***



BS-400

Articulated arm.

Consists in a set of joints, the articulated arm is the tool that distinguishes all MD DARIO machines, allowing a smooth and easy rotation of the sawing machine in any direction.

Unique!

**** The machine has been designed in compliance with EU standards regarding machinery safety.***

SET 300:

Diamond Wire Saw SN33 / SN44 with hydraulic motor, articulated arm, central column and material support.

Suitable to make cuts of maximum 25 cm / 9 1/2" the SET 300 is configured with: diamond wire saw SN33 or SN44 with hydraulic motor, articulated arm, central column and material support.

Manual and easy to use, the SET300 can be fixed to the ground or on a platform that can be moved to different work spaces with a forklift. The articulated arm allows the saw to rotate around the 360°, ideal for an infinite number of configurations for shaping and cutting arches and round circumferences.

The SET300 is equipped with a special COPYING DEVICE FOR SABLONE.

This ring shape small accessory is placed on a specific cavity under the wire-guide and perfectly follows the contours of templates, realizing the greatest variety of shapes and forms.

THE CUTTING ARCHES DEVICE is a special metal bar that allows you to fix the saw to the column. This gives you the possibility to set up the machine once and to rotate manually the saw around the work piece the crafting and creation of arches and circumferences, the making of round table-tops and any marble executions you need to carry out are performed by simply moving the wire saw up to 360°.

Available as an optional we offer the TILTING DEVICE that permits the machine to reach a 45° angle of inclination.



TECHNICAL DATES	SN33	SN44
Cutting width	400 mm / 15 1/2"	400 mm / 15 1/2"
Max. Cutting height	≈ 150 mm / 6 1/2"	≈ 250 mm / 9 1/2"
Hydraulic motor	Variable speed	Variable speed

**Cutting capacity thickness depends on the type of the material.*



SN44: Wire saw SN44 for application on SET 300

With an enhanced form, the SN44 for cutting of marble, stone and granite, is one of the last model of MD DARIO's product range and provides the maximum cutting height of 25 cm / 9 1/2".

With its new casing and design, the SN44 sawing machine is an even more user-friendly and versatile tool which maintains advanced technological qualities and guarantees when in use.

Both SN33 and SN44 can be used as a fixed saw machine for processing at the bench and for the cutting of small parts requiring extreme precision (mosaics, small handmade objects).

SET 400:

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

The SET 400 has been created to cut marble and stone up to 35 cm / 13 1/2" and granite up to 25 cm / 9 1/2"

It is particularly suitable to be used *for funeral sector, buildings and housing units, urban and road construction, sidewalks and curbs on public and private roads and highways, barrier industry, interior and exterior design products and so on.*

Set 400 features a diamond wire saw (the STM 400) equipped with hydraulic motor, articulated arm, central column and material support.

It includes the special COPYING DEVICE FOR SABLONE and an TILTING DEVICE that permits the machine to reach a 45° angle of inclination.

The machine is manual and provided with an hydraulic motor of variable speed.

Recently MD DARIO has also introduced the new device for AUTOMATIC RADIAL CUTTING: a particular accessory applied to the SET 400 which permits you to have a continuous cutting process of your material by using special arc templates available in different rays (see last page).

Accessories and Devices:

- Tilting device
- Automatic radial cut
- Advance support with anti-fall device



TECHNICAL DATES	STM 400
Cutting width	650 mm / 25 1/2"
Max. Cutting height	≈ 350 mm / 13 1/2"
Hydraulic motor	Variable speed

**Cutting capacity thickness depends on the type of the material.*

Tilting device

Available for all saw models, the inclinable device is applied on the base of the saw and allows the inclination from a 0° to a 45° angle.



SET 600:

Diamond Wire Saw SN55 with hydraulic motor, articulated arm, central column and material support.

Renovated in its form and dimension the new SN55 is the biggest machine of MD DARIO range and comes equipped with a variable speed hydraulic motor which allows you to cut marble, stone and granite up to 55 cm / 21,65 inches height.

This higher cutting height combined with the articulated arm, a main feature and unique trait of all MD DARIO bandsaws, allows for the making of shaped and curved cuts on marble, stone and granite blocks, keeping the piece to cut fixed on the material support as the operator is free to turn and moves the machine easily, in every direction.

Several accessories and devices applicable to the machine, allow for the making and shaping of the most particular cuttings, which are difficult to execute with standard saws.

MD DARIO offers new cutting possibilities that will allow manufacturers to implement innovative working solutions in the stone sector, in street maintenance and making, urban construction, in architecture and design of marble and stone, embracing the needs of Small Enterprises as well as Large Industries and Groups or Corporations.

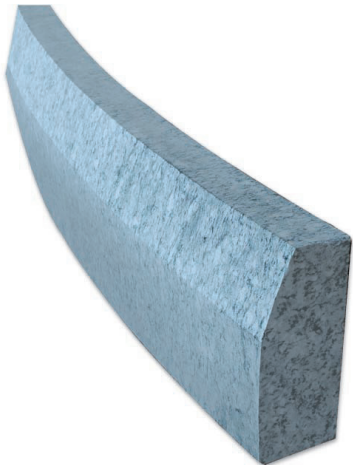
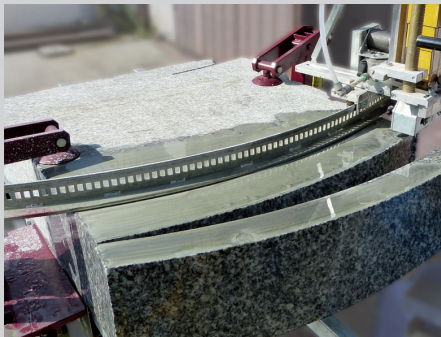
Accessories and Devices:

- Tilting device
- Automatic radial cut
- Advance support with anti-fall device



TECHNICAL DATES	SN55
Cutting width	490 mm
Max. Cutting height	≈ 550 mm / 21 1/2"
Articulated arm length	1500 mm / 59 1/2"
Hydraulic motor	Variable speed

**Cutting capacity thickness depends on the type of the material.*



Accessories and Devices:

Automatic radial cut

This device allows continuous material cutting procedures by using special arc templates available in different radius sizes.

The hydraulic system activates a pinion placed on a rack over a template, that allows to cut the material automatically, without the operator.

Advance support and anti-fall device

It has been designed to support big and heavy slabs of material which are difficult to move.

During the cutting progress three steel bars operate automatically in order to support the work piece, avoiding its fall.

This support is also provided with a special mechanical device that allows to gradually advance the slab of material, placing it at the exact point of cut.



MDX Collection:

The brand new Multi-tool 7-axis robotic arm. INDUSTRY 4.0. Certified

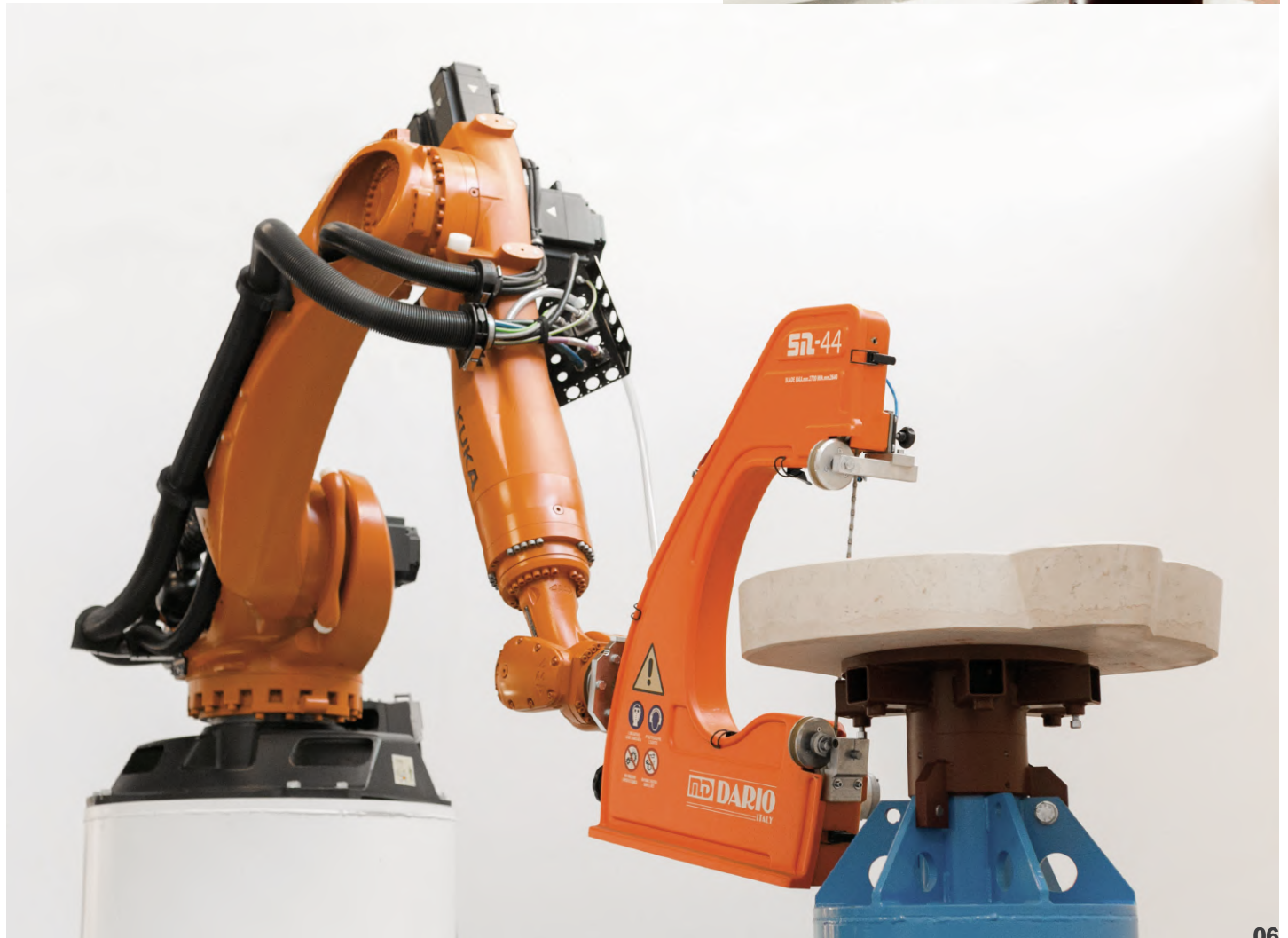
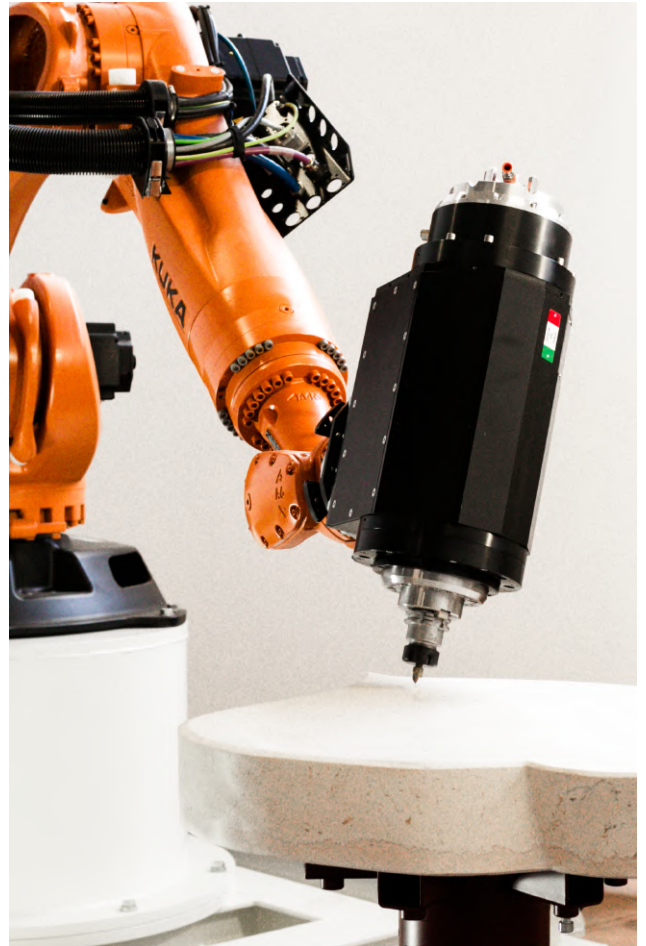
MD DARIO is launching its newest range of robotic-machines for the marble industry.

In this new configuration, the MD Dario SN44 Bandsaw is placed on a robotic arm, which guarantees cutting precision, flexibility and higher productivity. This new bandsaw guarantees additional safety for the operator and the production facility.

Thanks to its Multi-Tool solution, in addition to its shaping capacities, it is now possible to carry out additional processing, such as milling, sanding and polishing; Our MDX is the ideal tool for every stage of the production process, from the uncrafted material to the finished product.

The entire process is managed by an easy and intuitive CAD-CAM software, which allows to import and create drawings directly from CAD programs.

The new MDX range is conform to all INDUSTRY 4.0 requirements, and can be an effective solution for the management and optimization of production processes. This MD DARIO tool increases production capabilities and guarantees precision, allowing for better products at lower production and corporate costs.





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