

MD DARIO

Le Segatrici per Legno

*** Articulated Band Saw
for cutting Wood.**

*** Holzsägen.**

*** Serradora de Cinta
para cortar Madera.**



GB

Company

Founded as modelling company in the 70's, MD DARIO SRL started the manufacture of band saws for timber, adapting and developing its product for the processing of many different materials, such as metal, glass, plastics, etc.

Over the years the sawing machines have been adapted with further developments to cut marble and granite, employing diamond blades and wires, hence entering the stone cutting and shaping sector.

A constant study and research to find the right solutions to customers' needs has brought to the realization of several innovative accessories, distinguishing MD DARIO sawing machines from other conventional models.

Beside the production of machines, the company philosophy has always focused on the design and construction of special machines, offering its skills to propose tailor-made and innovative solutions, customized for the specific customer's requirements.

Our bandsaws.

Manual, safe and easy to use.

The freedom of movement and the possibility to rotate the machine in any angle, allow to realize cuts and contours with maximum precision and creativity.

MD DARIO bandsaws can meet all requirements, whether they are used for hobbies or for special industrial application.

Safe and easy to use, these are manual machines run by an operator, provided with 3 vulcanized flywheels that allow the use of cutting blades of different sizes according to the type of cut to realize.

The SN33, SN44 and SV3 MAXI models can cut beams or carpentry pieces, reaching a maximum cutting height of cm 30, 40 and 45, with a special bellow blade protection, in compliance with all standards and laws in force.

They are mainly used in carpentry, on building sites, in small handicraft and artistic laboratories, furniture factories and are suitable for both small hobby operations and for processing in series.



MD DARIO protects its production and its innovations with regularly registered patents on the machineries and on the related accessories.



The main feature that distinguishes MD DARIO bandsaws from conventional models is the ARTICULATED ARM, that with a special system of joints, allows the machine to rotate in every direction so that the user can perform creative and precise cuts.

Supports and devices realized to meet customers' needs have brought MD DARIO bandsaws to the top of the category, taking advantage of the following qualities:

- Easy to move inside and outside the work place
- Possibility to rotate the machine around the piece to cut and shape
- Forward inclination of the machine up to 45° for angled cutting
- Realization of arcs and circumferences
- Manual copying device placed under the blade guide to realize shape contours and circular cuttings in series
- Panel clamping with pneumatic pressure lock to cut piled material.

Models



SN33

Technical data

Cutting width	MIN 300 mm MAX 400 mm
Maximum cutting height with standard bellow protection system	250 mm
Maximum cutting height with special bellow protection system	310 mm
Work surface dimension	500 X 400 mm
Blade length	2530 mm
Min. / Max blade width	3/13 mm
Motor	1,5 HP 1,1 KW
Weight	50 Kg

SN33 includes:

- BANDSAW SN33
- COPYING DEVICE
- BELLOW PROTECTION SYSTEM
- DOUBLE HANDGRIP
- WORK SURFACE



SN44

Technical data

Cutting width	MIN 300 mm MAX 400 mm
Maximum cutting height with standard bellow protection system	350 mm
Maximum cutting height with special bellow protection system	410 mm
Work surface dimension	500 X 400 mm
Blade length	2720 mm
Min. / Max blade width	3/13 mm
Motor	1,5 HP 1,1 KW
Weight	55 Kg

SN44 includes:

- BANDSAW SN44
- COPYING DEVICE
- BELLOW PROTECTION SYSTEM
- DOUBLE HANDGRIP
- WORK SURFACE



SV3MAXI

Technical data

Cutting width	MIN 620 mm MAX 430 mm
Maximum cutting height with standard bellow protection system	300 mm
Maximum cutting height with special bellow protection system	450 mm
Work surface dimension	500 X 640 mm
Blade length	3650 mm
Min. / Max blade width	3/13 mm
Motor	3 HP 2,2 KW
Weight	120 Kg

SV3MAXI includes:

- BANDSAW SV3MAXI
- COPYING DEVICE
- BELLOW PROTECTION SYSTEM
- DOUBLE HANDGRIP



With mobile trolley to easily move the bandsaw.

SET 1500 is realized for those who need to move the machine to different working places, even outside the company.

Designed for carpentry works, such as **roof truss** and **beams**, it can be used to realize **columns**, **balustrades** and several **shaping works**.

SET 1500 includes:

- BANDSAW SN33 O SN44
- COPYING DEVICE
- BELLOW PROTECTION SYSTEM
- DOUBLE HANDGRIP
- WORK SURFACE
- ARTICULATED ARM (BS400, BS600)
- MOBILE TROLLEY
- MATERIAL SUPPORT WITH FRAMEWORK
- PRESSURE LOCK P-250



It is possible to fasten the bandsaw SN33 or SN44 like a table saw and using a special clamping system and applying the provided work surface to it, minor manual jobs can be carried out.



Circular and precise cuts thanks to the central column.

SET2000 is designed for those who have to perform circular cuts. Thanks to the central column, main feature of this model, the machine can rotate 360°.

Fastening the material with a hold down device, it is possible to realize arcs and circular cuts (*arc cutting device*).

SET 2000 includes:

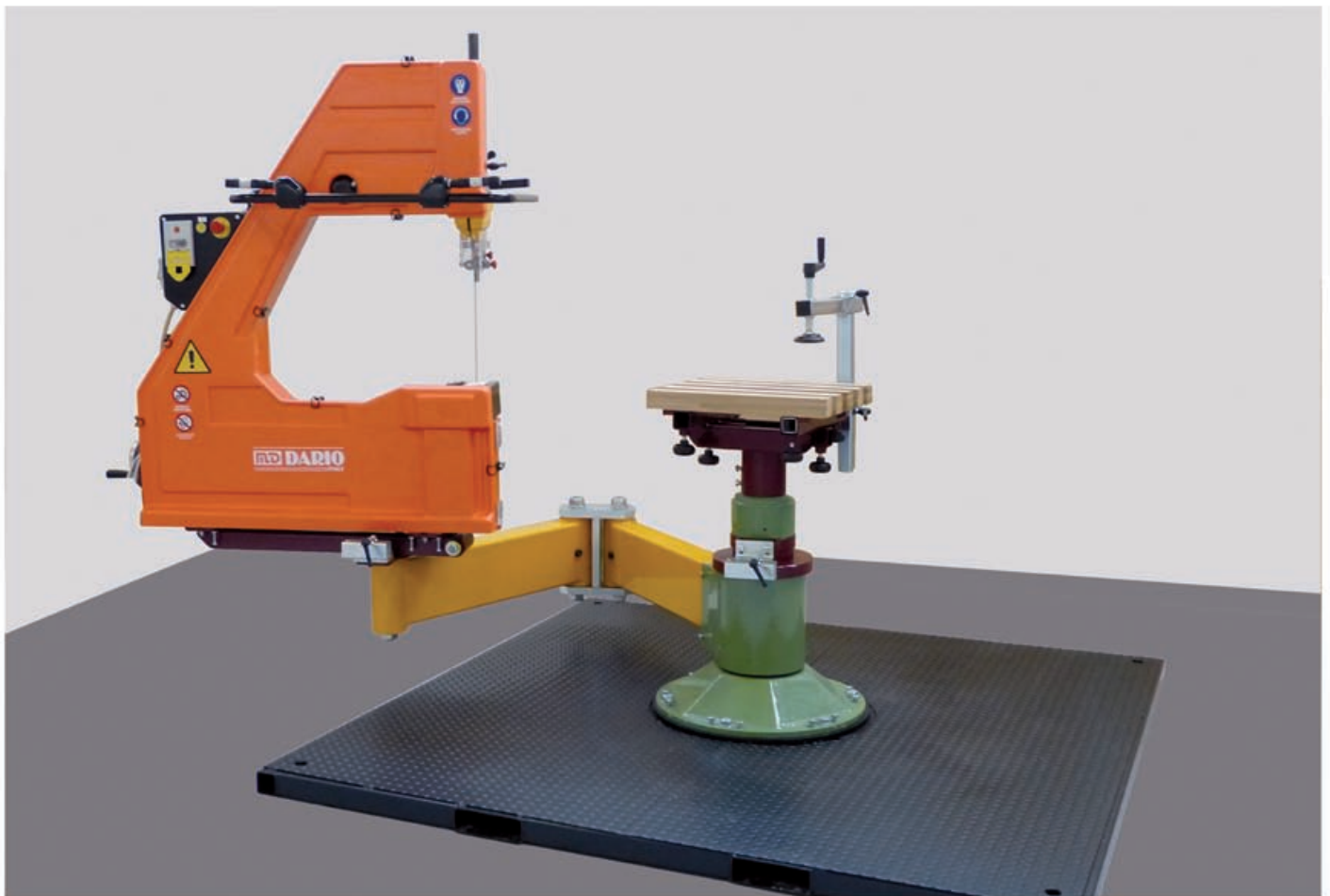
- BANDSAW SN33 OR SN44
- COPYING DEVICE
- BELLOW PROTECTION SYSTEM
- DOUBLE HANDGRIP
- WORK SURFACE
- ARTICULATED ARM (BS400, BS600)
- COLUMN
- ARC CUTTING DEVICE
- MATERIAL SUPPORT WITH FRAMEWORK
- PRESSURE LOCK P-250

It is suggested to work on **panels, beams, rafters, arcs and shapes**.



The bandsaw can be customized with pneumatic or mechanical supports for panels, with single or multiple working stations.

Moreover, applying the provided work surface to the machine, minor manual jobs can be carried out.



To cut large size materials in series.

SET 3000 can reach a cutting height of 45 cm and an arm rotation of 360°. It is possible to fasten the bandsaw on the ground or on the forklift platform, that enables to move the entire Set inside or outside the company.

With the arc cutting device, made of a special metric rod, arcs and circular shapes up to 360° can be realized rotating the saw around the column.

SET 3000 includes:

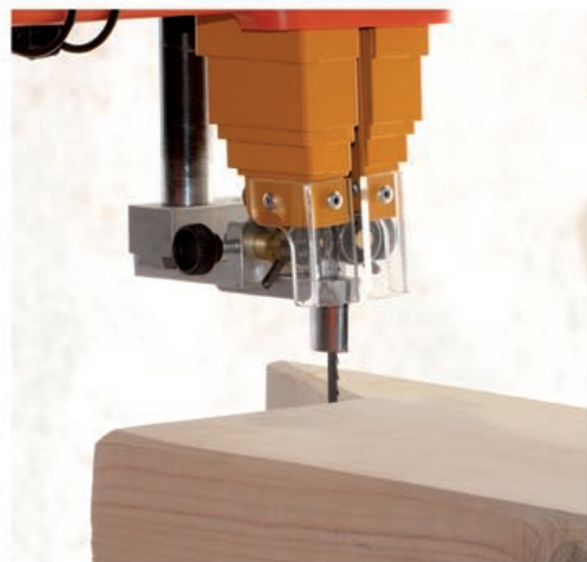
- BANDSAW SV3 MAXI
- COPYING DEVICE
- BELLOW PROTECTION SYSTEM
- DOUBLE HANDGRIP
- ARTICULATED ARM BS900
- COLUMN
- ARC CUTTING DEVICE
- MATERIAL SUPPORT WITH FRAMEWORK
- PRESSURE LOCK P-250

Articulated arm.

Consisting of a set of joints, the articulated arm is the feature that distinguishes MD DARIO bandsaws and that makes possible to easily rotate them in every direction.

Applied to the wall and combined with the bandsaw SN33/SN44 it forms the **AP500** machine version. If fastened on the mobile trolley it creates the **SET1500**, while if fixed on the column the **SET2000** can be obtained.

According to the dimensions of the piece to cut or shape, the length of the arm can be customized.



Copying device.

The use of the copying device is combined with the template application: the device is leaned on the template and it can reproduce the shape on more wooden pieces.

Suction system.

It is a functional system for the suction of the sawdust or dust produced during the cutting process. It is supplied on SN33 and SN44 sawing machines both either applied on articulated arm or used as table saws.

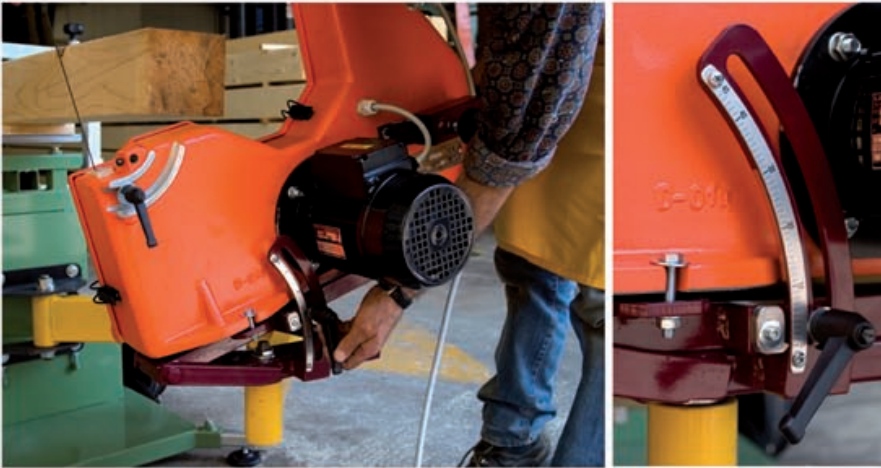


Bellow protection system.

The bellow protection system protects the blade and it can be regulated according to the cutting height, ensuring a safe work.



Optional

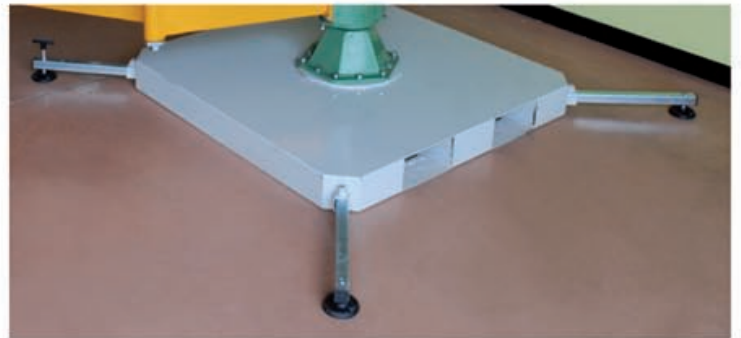


Tilting device.

Applied on the base of the bandsaw, the tilting device SR700 allows to incline forward the machine up to 45°.

Platform.

Fixing the column BC800 on the forklift base, it is possible to move SET3000 with a forklift truck or a pallet truck, without fastening it on the ground.



Trunk cutting device ST 100.

The trunk cutting device is a precise and fast system which enables to execute shaped cuttings on circular trunks of different dimensions. It is ideal to realize **joint constructions** and used to build **wooden houses, fences, flowerpots** and **decorative elements**.

This device is easy to assemble and it can be added to SET 1500 or to SET 2000 without any further modification to the structure.

Placing the little trunk on the structure and fastening it with a clamping system, the bandsaw manually moved by the operator will follow the copying device and realize perfect circular interlocks.

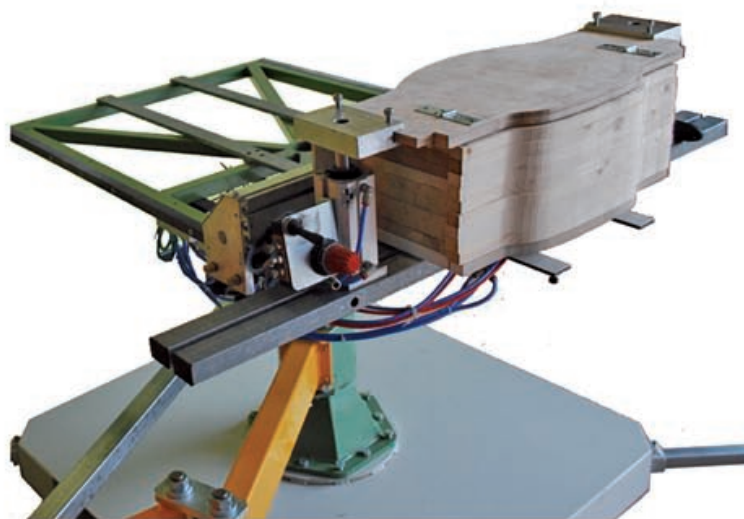


Customizable supports for SET 2000 and SET 3000 provided with pneumatic pistons that allows to fasten the piled material.

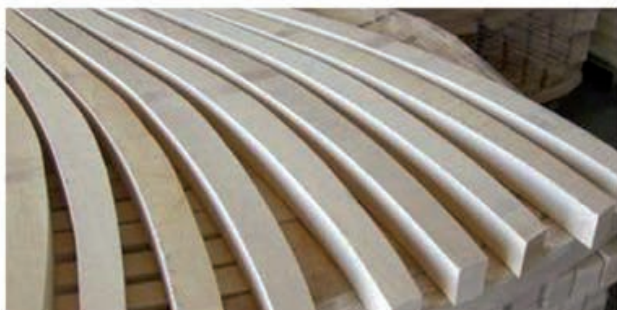


Pneumatic support and material advance device for panels.

It is a special pneumatic support, suggested to cut packs of panels, which are moved forward by the material advance device.



Once the cutting has been executed, thanks to a mechanical and manual system, the material advance is activated, while an anti-fall device prevents the pieces to fall on the ground. For this device, it is suggested the use of a template.





Carousel device with 4 working stations.

It is a pneumatic support made of 4 working stations.

If the work to realize requires 4 different templates, the carousel device allows to move from one cutting to the other on the different stations.

Several panels piled together can be cut at the same time; this can really add up to a significant time savings.

Butterfly pneumatic support.

This special pneumatic support with double station, applicable on SET2000 and SET3000, is the best solution to shape several panel in the shortest possible time.



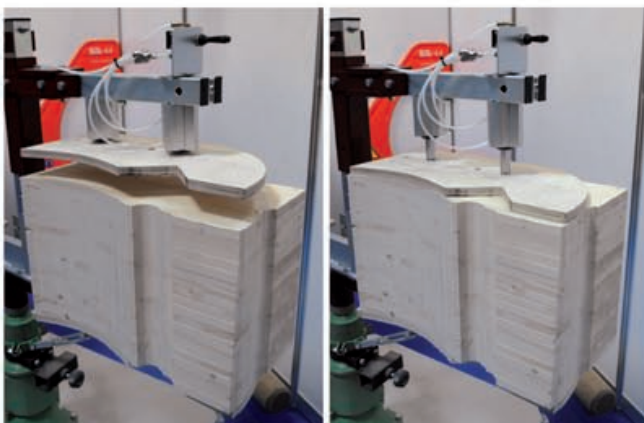
Butterfly

Standard dimensions - single station

Dimension	450 X 600 mm
Maximum cutting height	400 mm

***Cutting example with SET2000/ SN44:
up to 20 panels for each station,
each panel of 20mm width**

The table reports the standard dimensions of the support, which can be customized according to the client's cutting needs.



Provided with a pneumatic lock to fasten the material, it allows to overlap the panels, placing the template on top of them.

Thanks to the copying device applied to the blade guide, it is possible to follow the template realizing the cut.

The operator can execute the cut on one side while another operator can remove the finished pieces and prepare the new material to be cut, with a significant time savings.

Saddle cut device in SET 2000 & SET 3000.

The saddle cut device can be used in combination with SET2000 or SET3000.
It is suggested for the realization of saddles with different radius and allows to perform this kind of works thanks to a metric rod, with adjustable length, placed under the saw.



This device involves a special PNEUMATIC MATERIAL SUPPORT with pneumatic hold-down device.

The dimensions of the support vary according to the dimensions of the saddles to cut.
The saddle radius is adjustable through the metric rod applied to the bandsaw.

The pneumatic support allows to fasten and cut several pieces at the same time (for instance beams, panels, etc.) and it is suggested to shape different kind of wooden pieces: saddles for pipes' transport, shutters, columns, chairs' legs, etc.

The combined use of a template makes the cut easier and faster.



Saddle cut device

Standard measures

SET 2000

Length	Customizable
Width	Customizable
Height	400 mm

SET 3000

Length	Customizable
Width	Customizable
Height	450 mm

Bandsaw blades.

*MD DARIO s.r.l. supplies also accessories and spare parts for its bandsaws.
All blade sizes that can be supplied for bandsaw models SN33, SN44 and SV3 MAXI
are listed below:*

SN33

3 X 2530 mm
5 X 2530 mm
6 X 2530 mm
8 X 2530 mm
10 X 2530 mm
13 X 2530 mm

Double serration blade: 8 X 2530 mm

SN44

3 X 2720 mm
5 X 2720 mm
6 X 2720 mm
8 X 2720 mm
10 X 2720 mm
13 X 2720 mm

Double serration blade: 8 X 2720 mm

SV3 MEDIA

3 X 2450 mm
5 X 2450 mm
6 X 2450 mm
8 X 2450 mm
10 X 2450 mm
13 X 2450 mm

Double serration blade: 8 X 2450 mm

SV3 MAXI

6 X 3650 mm
10 X 3650 mm
13 X 3650 mm

** For more information about blade types we invite you to contact our sales department.*



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