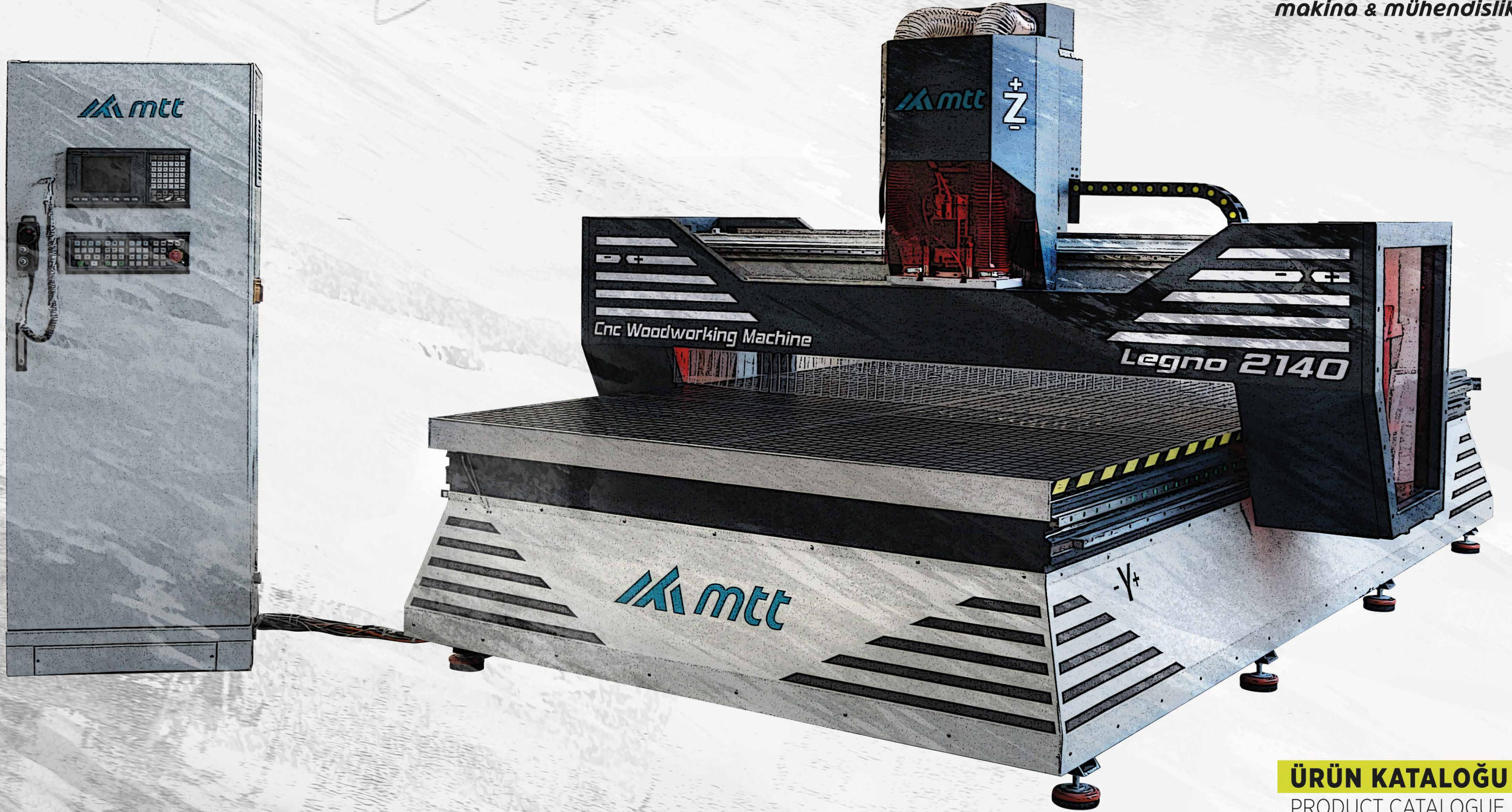




makina & mühendislik



ÜRÜN KATALOĞU
PRODUCT CATALOGUE

Organize Sanayi Bölgesi 12. Cd No: 78 Melikgazi/Kayseri/TÜRKİYE

www.mttmakina.com info@mttmakina.com

Tel: +90 352 502 0 688
mtt



AHŞAP / WOOD



PLASTİK / PLASTIC



ALÜMİNYUM / ALUMINIUM



SALES AMOUNT

Starting from the Central Anatolia Region, which is the center of the country, it provides services to all regions throughout Turkey, both domestically and internationally. Being an adopted brand as MTT Makina fast, appropriate solutions to high quality, innovative and customer demands with awareness manufactures.

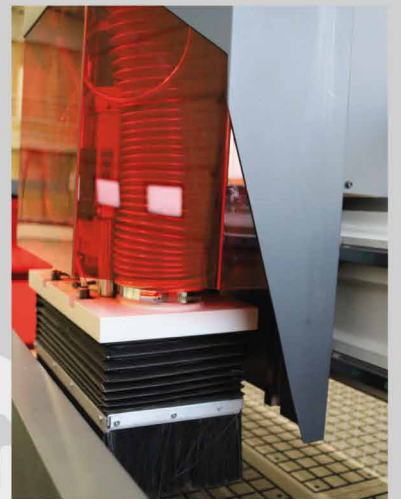


AFTER SALES SERVICE

The experienced team within MTT Makina fully meets the demands of its customers with both remote connection and on-site intervention in after-sales technical service support. It informs its customers about current innovations by informing about product development and innovations.

PROMOTION

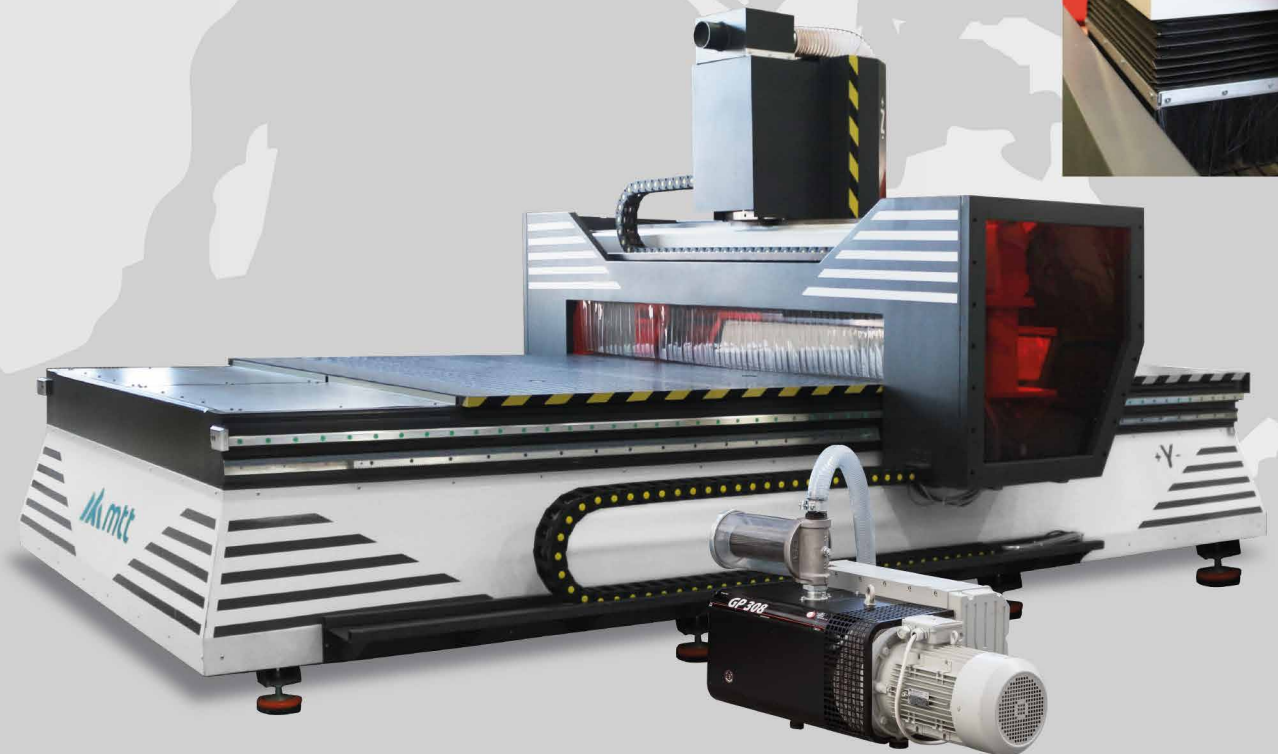
The body structure of CNC Router machines should be durable and long-lasting. The chassis of the machine is made of steel body for an efficient operation without vibration. In addition, the machine body, which is subjected to stress relieving and grinding processes, ensures that it works with maximum precision. Thus, the machine can operate with maximum efficiency for many years without any problems.



MTT MAKİNA

MTT Makina has proven itself by producing machines that appeal to the furniture and advertising sector since 2015 and has become a preferred brand. It is always to continue to be your solution partner in the processing of wood, aluminum and composite materials. It takes an active role in the formation of the provincial basis of efficient production by producing machines in the desired size and equipment in line with customer demands. As a company that has adopted the national capital culture, the place of the country's industry combines production with affordable cost and high quality. Our company provides fast and analytical service to our valuable industrialists with its young and dynamic staff with technical equipment knowledge in a closed area of 3500 m2. Customer satisfaction is our vision and we are developing ourselves with our R&D team by following the technology day by day. Our sales and after-sales support continues in line with customer opinions and demands.

- Installation and Training
- Spare Parts Support
- Maintenance and repair
- R&D



Tool Length Measurement

Tool length measuring unit is used to minimize setup time. Automatic tool measurement saves the reference in its memory. Thus, it ensures that we can obtain healthy results in every transaction.

Spindle Machine

It enables you process materials such as wood, composite, plastic, aluminum with high quality and speed. The features of the spindle motor used can be optionally selected according to the equipment features of the machine you have requested.

Automatic Tool Changing Unit

With the automatic tool changing unit, you can achieve more practical and time-saving solutions. In line with the equipment specifications of the machine you have requested, we have machines up to 12 tool capacity.

(POM) Flat Table

The machine table is made of Flat Table (POM) material. In order for vacuuming to be efficient, it is divided into 6 or 8 equal vacuum zones according to the size of the desired machine. These areas on the table can be controlled independently to provide a stronger grip in the working areas. According to the equipment features of the machine, the areas used can be activated from the control panel or with the manual valve and the unused zone can be turned off.

Automatic Dust Suction Unit

During surface treatment, it automatically contacts the treated surface with the help of pistons and ensures efficient dust suction.

Handwheel

It allows the operator to control the machine independently from the control panel.

Vacuum Motor

For a quality surface treatment, the material must be fixed with a strong grip. A high performance and efficient vacuum motor is used for this. The capacity of the vacuum motor used can be optionally chosen as 250m³/h or 305m³/h.

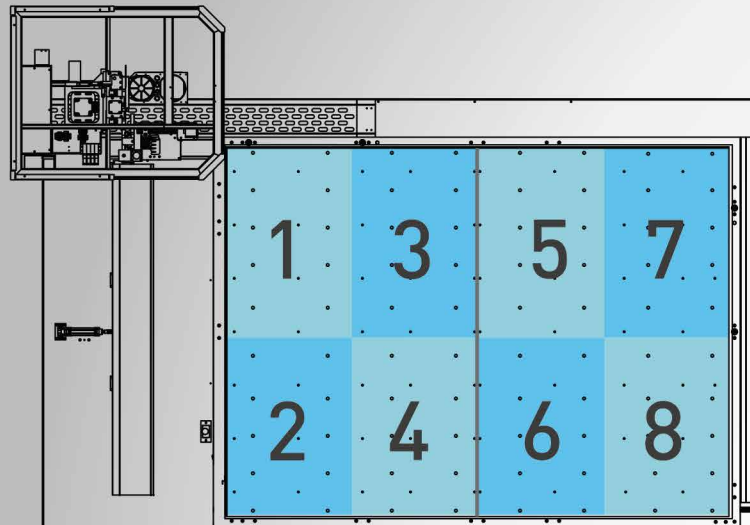
Automatic Support System

It minimizes reference misalignment in the materials to be processed.

Rack and Slide

High-quality linear slides and ground helical racks are used with maximum precision to ensure efficient axial movements at high speeds. It has been designed to achieve quality results in the work done.

INCREASABLE VACUUM ZONE



The machine work table can be used in multi - zone logic with optionally increasing vacuum zones. Vacuum zones can be controlled independently by the control unit and provide maximum grip during processing of small parts, helping to make the most efficient use of vacuum capacity.

CNC WOOD DESIGN

Legno series has been designed to enable you to perform drilling and milling operations in a single machine in your nesting applications. Apart from panel processing, Lavoro can also produce plastic, aluminum composite, etc. according to your needs. can be used in the processing of materials. It performs sizing, surface treatment and carving operations without any trouble.



Legno 2140 / TECHNICAL SPECIFICATIONS

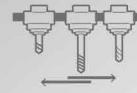
DESCRIPTIONS	1528	2128	2140
Processing Area	1500mm x 3000mm	2100mm x 2800mm	2100mm x 3660mm
Z Axis Distance	200 mm	200 mm	200mm
Spindle Engine Power	7 KW - 9 KW	12 KW	12 KW
Spindle Engine Speed	18000 rpm	18000 - 24000 rpm	18000 - 24000 rpm
X Axis Engine Power	1.5 KW	1.5 KW	1.5 KW
Y Axis Engine Power	1.5 KW	1.5 KW	1.5 KW
Working Speed of Axis	60m/min	80m/min	80m/min
Automatic Tool Changing	Under Bridge (6 Set)	Under Bridge (8 Set)	Under Bridge (8 Set)
Working Table	Flat table (Compact)	Flat table (Compact)	Flat table (Compact)
Vacuum Pump	250m3/h	305m3/h	305m3/h
Vacuum Zone	6 Zone	6 Zone	8 Zone
Control Unit	CNC Control Unit	CNC Control Unit	CNC Control Unit
CAD/CAM Program	Alphacam 2D - 3D	Alphacam 2D - 3D	Alphacam 2D - 3D
Total Power	20 KW	27 KW	27 KW
Approximate Weight	1800 kg	3250 kg	3500 kg





Spindle Machine

It enables you to process materials such as wood, composite, plastic, aluminum with high quality and speed. The features of the spindle motor used can be optionally selected according to the equipment features of the machine you have requested.



Automatic Tool Changing Unit

With the automatic tool changing unit, you can achieve more practical and time - saving solutions. In line with the equipment specifications of the machine you have requested, we have machines 12 tool capacity.



(POM) Flat Table

The machine table is made of Flat Table (POM) material. In order for vacuuming to be efficient, it is divided into 6 or 8 equal vacuum zones according to the size of the desired machine. These areas on the table can be controlled independently to provide a stronger grip in the working areas. According to the equipment features of the machine, the areas used can be activated from the control panel or with the manual valve and the unused zone can be turned off.

Automatic Loading Unit

It provides rapid product loading without the need for manpower.



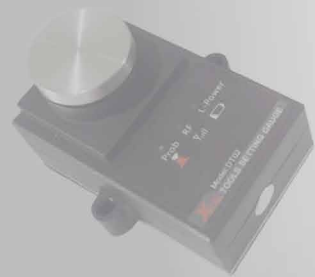
Handwheel

It allows the operator to control the machine independently from the control panel.



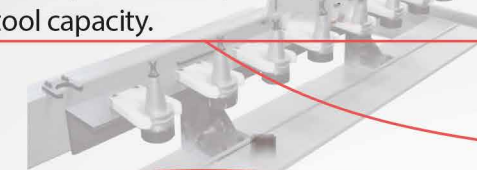
Tool Length Measurement

Tool length measuring unit is used to minimize the setup time. Automatic tool measurement saves the reference in its memory. Thus, it ensures that we can obtain healthy results in every transaction.



Automatic Unloading Counter

While the surface and cutting process is in progress, it ensures that the finished products are collected in a serial manner without waiting for the machine



Automatic Dust Suction Unit

During surface treatment, it automatically contacts the treated surface with the help of pistons and ensures efficient dust suction.



Vacuum Motor

For a quality surface treatment, the material must be fixed with a strong grip. A high performance and efficient vacuum motor is used for this. The capacity of the vacuum motor used can be optionally chosen as 250m³/h or 305m³/h.



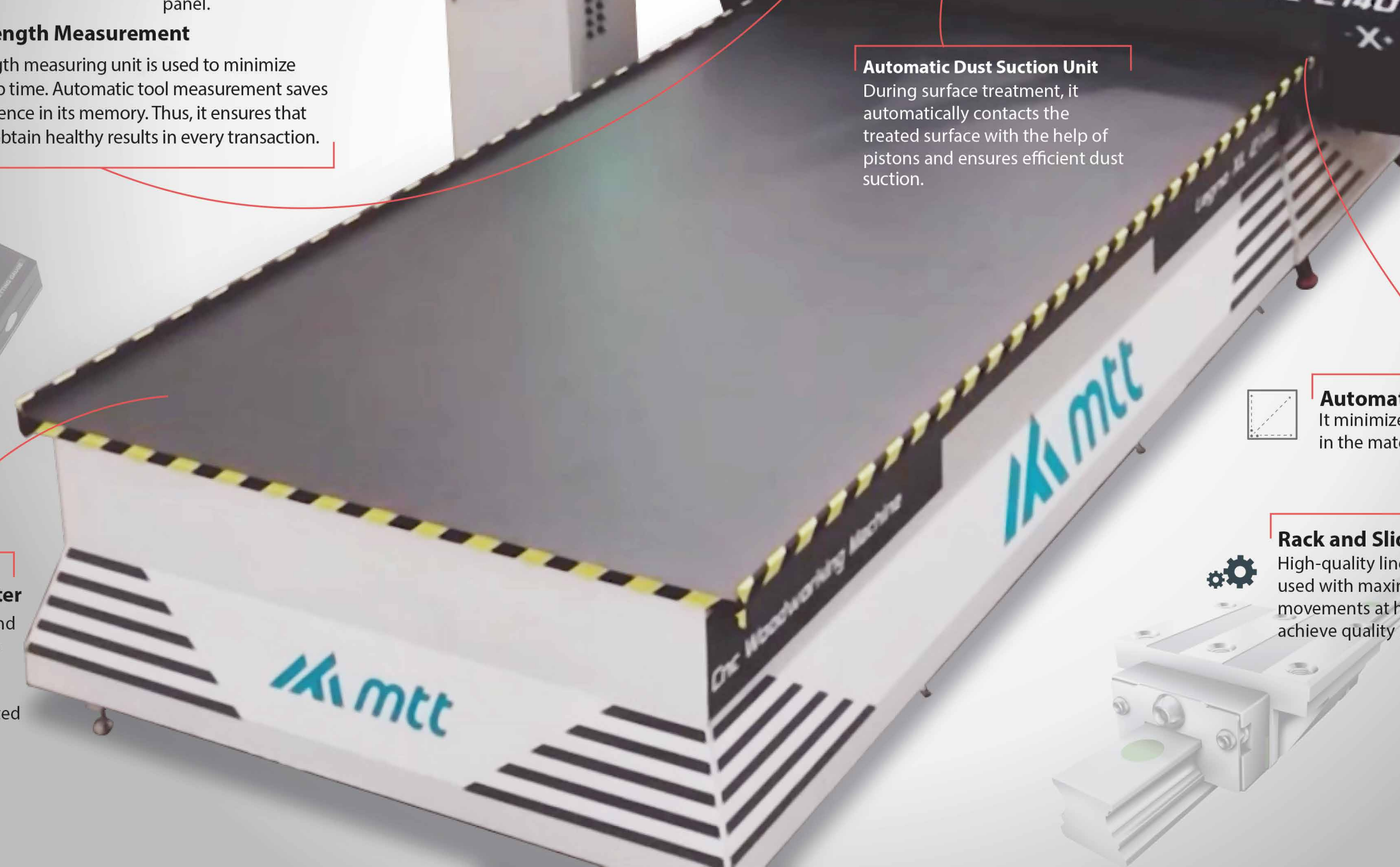
Automatic Support System

It minimizes reference misalignment in the materials to be processed.

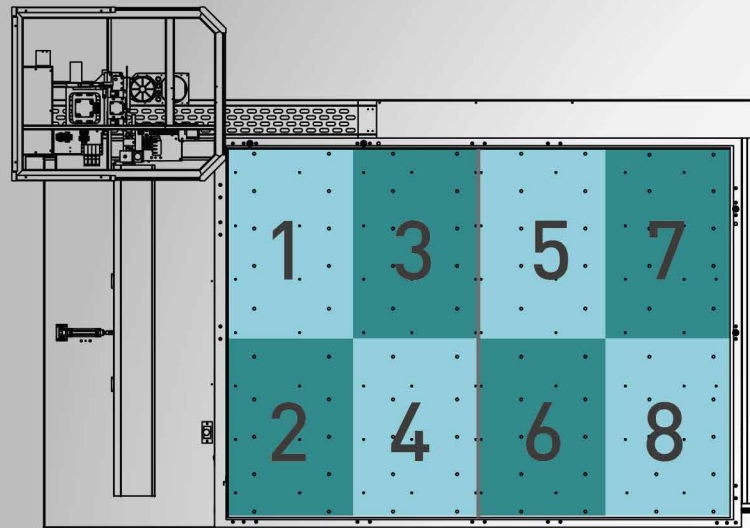


Rack and Slide

High-quality linear slides and ground helical racks are used with maximum precision to ensure efficient axial movements at high speeds. It has been designed to achieve quality results in the work done.



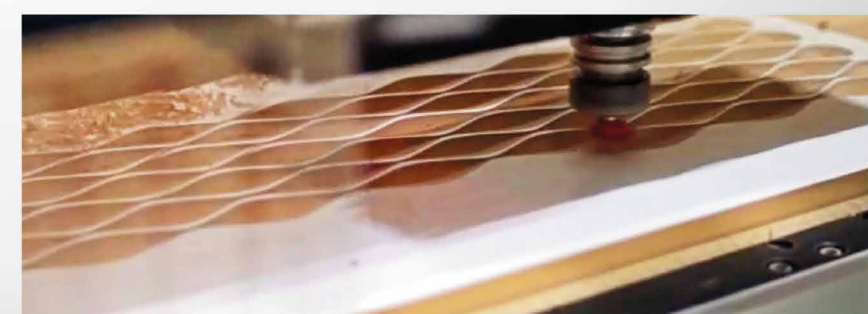
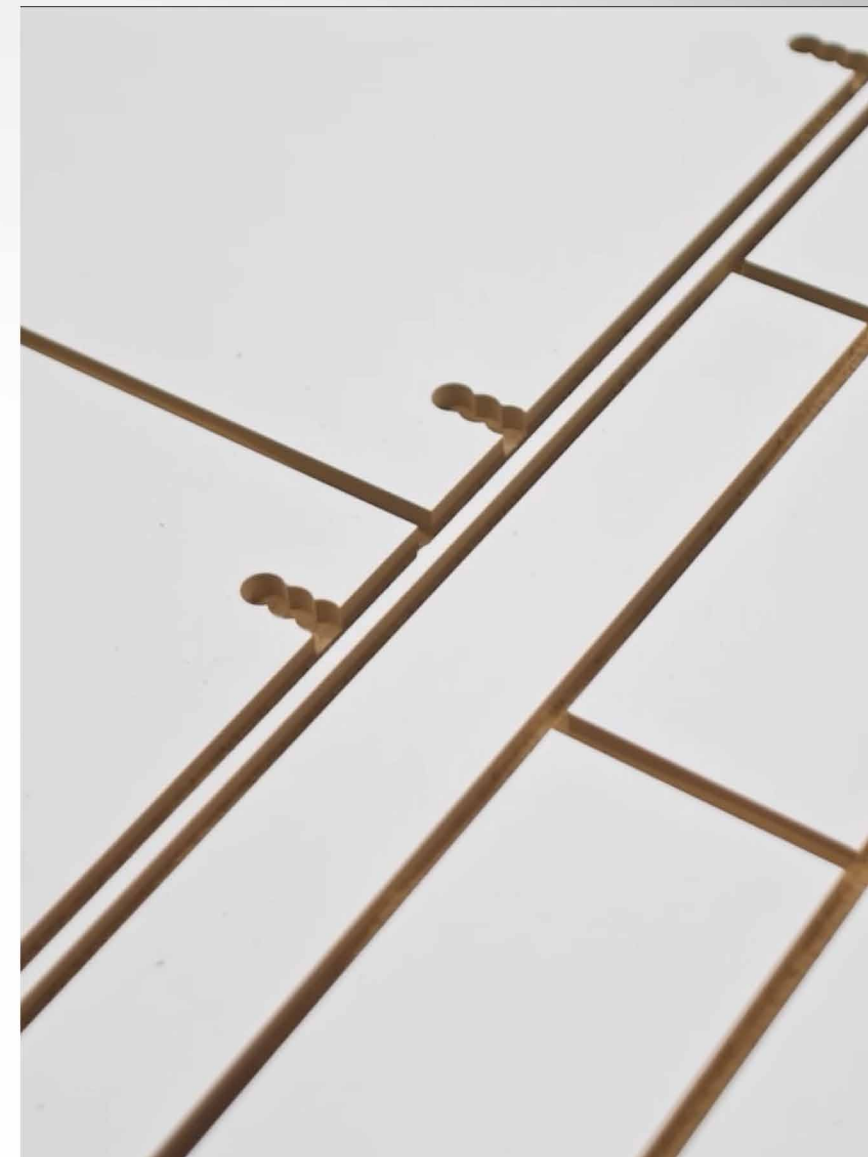
INCREASABLE VACUUM ZONE



The machine work table can be used in multi - zone logic with optionally increasing vacuum zones. Vacuum zones can be controlled independently by the control unit and provide maximum grip during processing of small parts, helping to make the most efficient use of vacuum capacity.

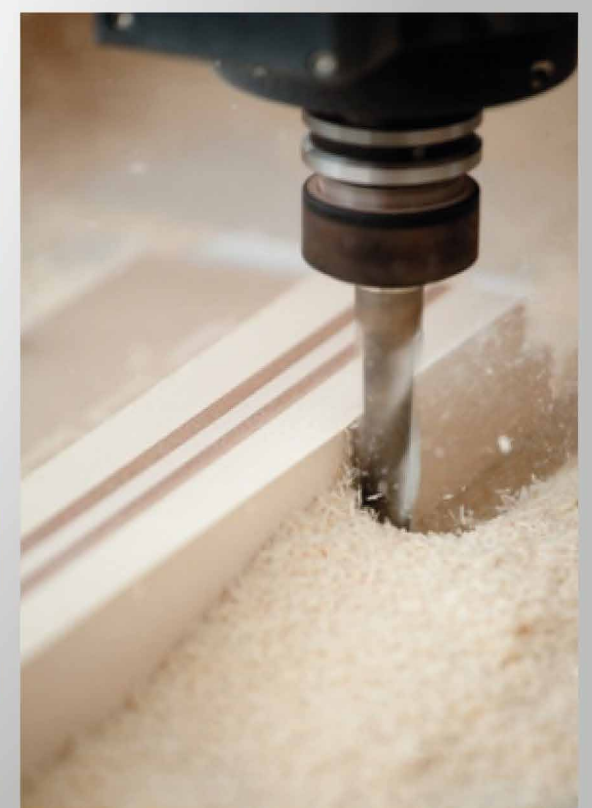
Legno XL 2140 / TECHNICAL SPECIFICATIONS

DESCRIPTIONS	2128	2140
Processing Area	2100mm x 2800mm	2100mm x 3660mm
Z Axis Distance	200mm	200mm
Spindle Engine Power	12 KW	12 KW
Spindle Engine Speed	18000 rpm	18000 rpm
X Axis Engine Power	1.5 KW	1.5 KW
Y Axis Engine Power	1.5KW	1.5 KW
Working Speed of Axis	80m/min	80m/min
Automatic Tool Changing	Under Bridge (8 Set)	Under Bridge (8 Set)
Working Table	Flat table (Compact)	Flat table (Compact)
Vacuum Pump	305m3/h x 2	305m3/h x 2
Vacuum Zone	6 Zone	8 Zone
Control Unit	CNC Control Unit	CNC Control Unit
CAD/CAM Program	Alphacam 2D - 3D	Alphacam 2D - 3D
Automatic Loading Unit Capacity	2100kg	2100kg
Automatic Unloading Counter	2200 x 4000 mm	2200 x 4000 mm
Total Power	35 KW	35 KW
Approximate Weight	3750 kg	4000 kg



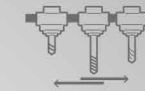
CNC WOOD DESIGN

Legno series has been designed to enable you to perform drilling and milling operations in a single machine in your nesting applications. Apart from panel processing, Lavoro can also produce plastic, aluminum composite, etc. according to your needs. can be used in the processing of materials. It performs sizing, surface treatment and carving operations without any trouble.



Spindle Machine

It enables you to process materials such as wood, composite, plastic, aluminum with high quality and speed. The features of the spindle motor used can be optionally selected according to the equipment features of the machine you have requested.



Automatic Tool Changing Unit

With the automatic tool changing unit, you can achieve more practical and time-saving solutions. In line with the equipment specifications of the machine you have requested, we have machines 12 tool capacity.

Tool Reset Probe

It provides reference on the table in blade length measurement before surface treatment and cutting.



(POM) Flat Table

The machine table is made of Flat table (POM) material. In order for vacuuming to be efficient, the table is divided into 6 - 8 equal vacuum zones. These areas on the table can be controlled independently to provide a stronger grip in the working areas. Used zones can be activated manually and unused zones can be turned off.



Rack and Slide

High-quality linear slides and ground helical racks are used with maximum precision to ensure efficient axial movements at high speeds. It has been designed to achieve quality results in the work done.



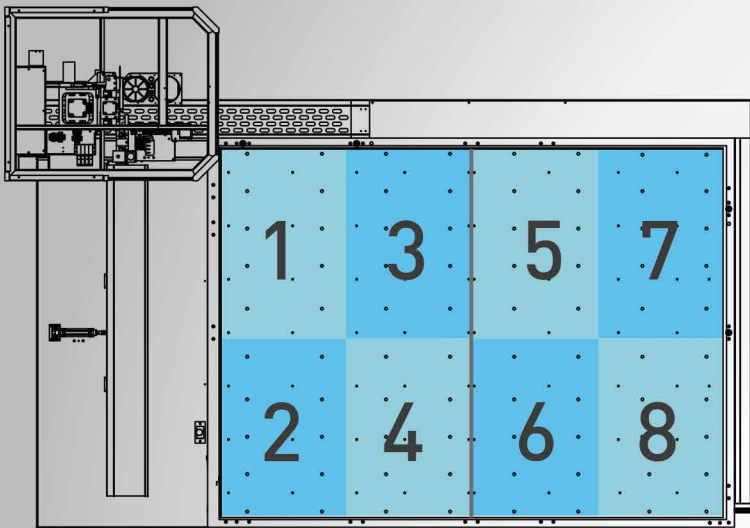
Automatic Support System

It minimizes reference misalignment in the materials to be processed.

Vacuum Motor

For a quality surface treatment, the material must be fixed with a strong grip. A high performance and efficient vacuum motor is used for this. The capacity of the vacuum motor used can be optionally chosen as 250m³/h or 305m³/h.

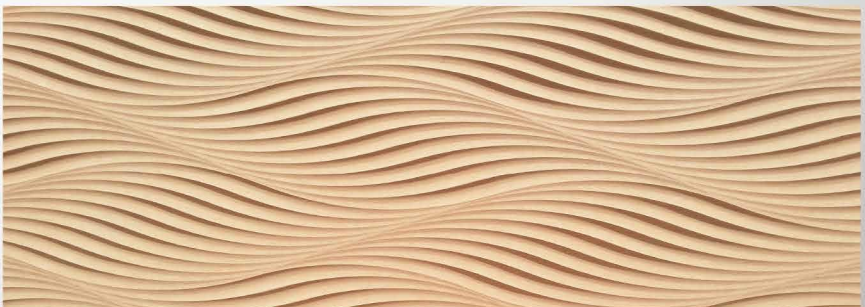
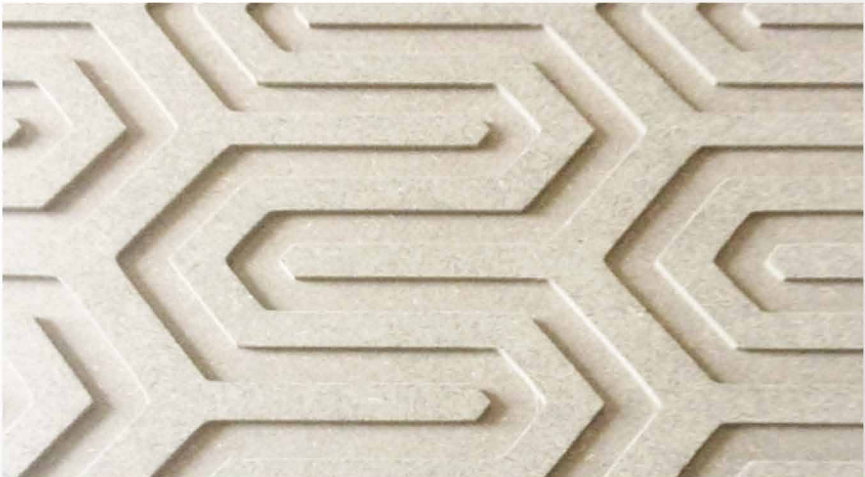
INCREASABLE VACUUM ZONE



The machine work table can be used in multi - zone logic with optionally increasing vacuum zones. Vacuum zones can be controlled independently by the control unit and provide maximum grip during processing of small parts, helping to make the most efficient use of vacuum capacity.

CNC WOOD DESIGN

Lavoro series has been designed to enable you to perform drilling and milling operations in a single machine in your nesting applications. Apart from panel processing, Lavoro can also produce plastic, aluminum composite, etc. according to your needs. can be used in the processing of materials. It performs sizing, surface treatment and carving operations without any trouble.



LAVORO 2140 / TECHNICAL SPECIFICATIONS

DESCRIPTIONS	1528	2128	2140
Processing Area	1500mm x 3000mm	2100mm x 2800mm	2100mm x 3660mm
Z Axis Distance	200mm	200mm	200mm
Spindle Engine Power	5.5KW - 7 KW	9 KW	9 KW
Spindle Engine Speed	18000 rpm	18000 - 24000 rpm	18000 -24000 rpm
X Axis Engine Power	0.75 KW	1 KW	1 KW
Y Axis Engine Power	0.75 KW	1 KW	1 KW
Working Speed of Axis	40m/min	40m/min	40m/min
Automatic Tool Changing	Fixed (6 Set)	Fixed (8 Set)	Fixed (8 Set)
Working Table	Flat tabla (Compact)	Flat tabla (Compact)	Flat tabla (Compact)
Vacuum Pump	250m3/h	305m3/h	305m3/h
Vacuum Zone	6 Zone	8 Zone	8 Zone
Control Unit	PC Based	PC Based	PC Based
CAD/CAM Program	Alphacam 2D - 3D	Alphacam 2D - 3D	Alphacam 2D - 3D
Total Power	18 KW	23 KW	23 KW
Approximate Weight	1600 kg	2000 kg	2100 kg



Dust Suction Section

By making piping to the inlets in this area, the dust generated during sanding is transferred to the dust suction unit.



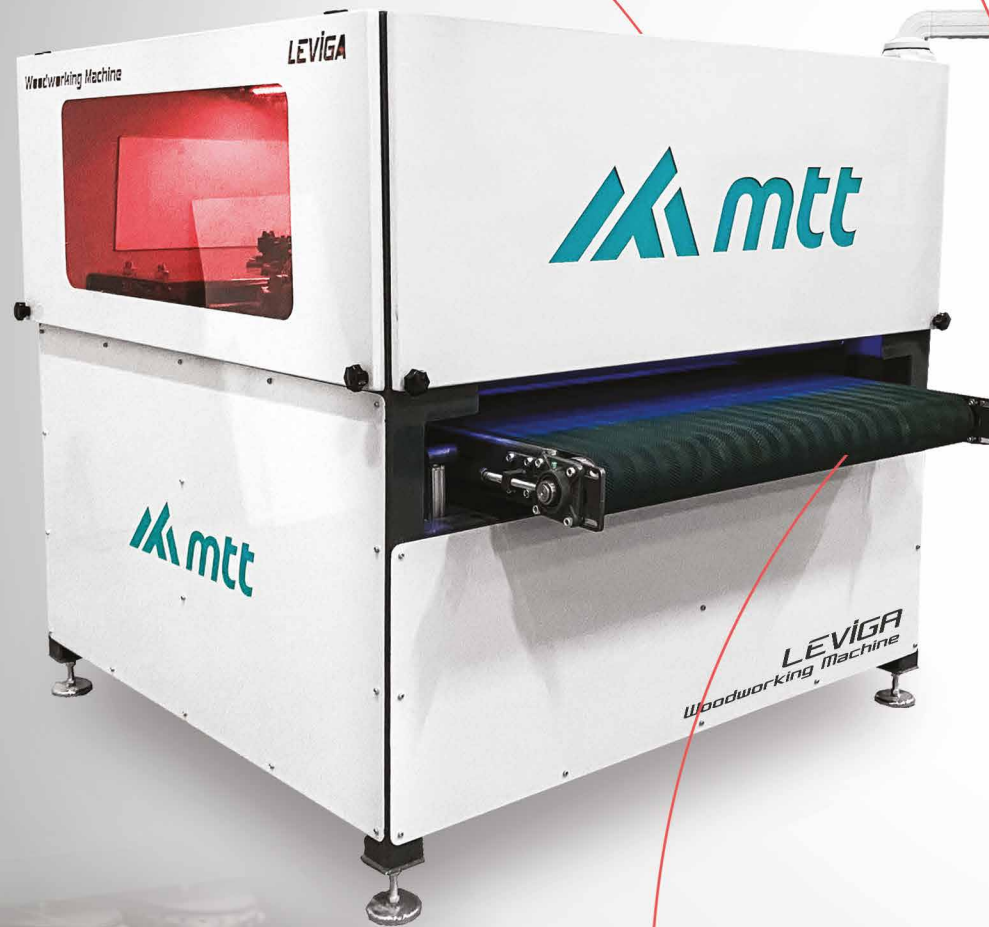
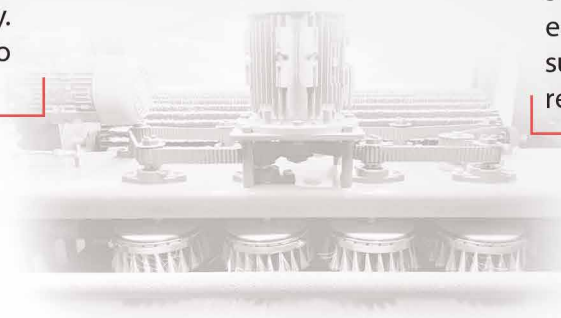
Touch PLC Screen

It helps to give commands to the units to obtain a healthy result in the product to be processed. The speeds of the tambours, discs and bands can be changed automatically. At the same time, the band height can come to the entered value automatically.



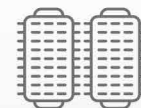
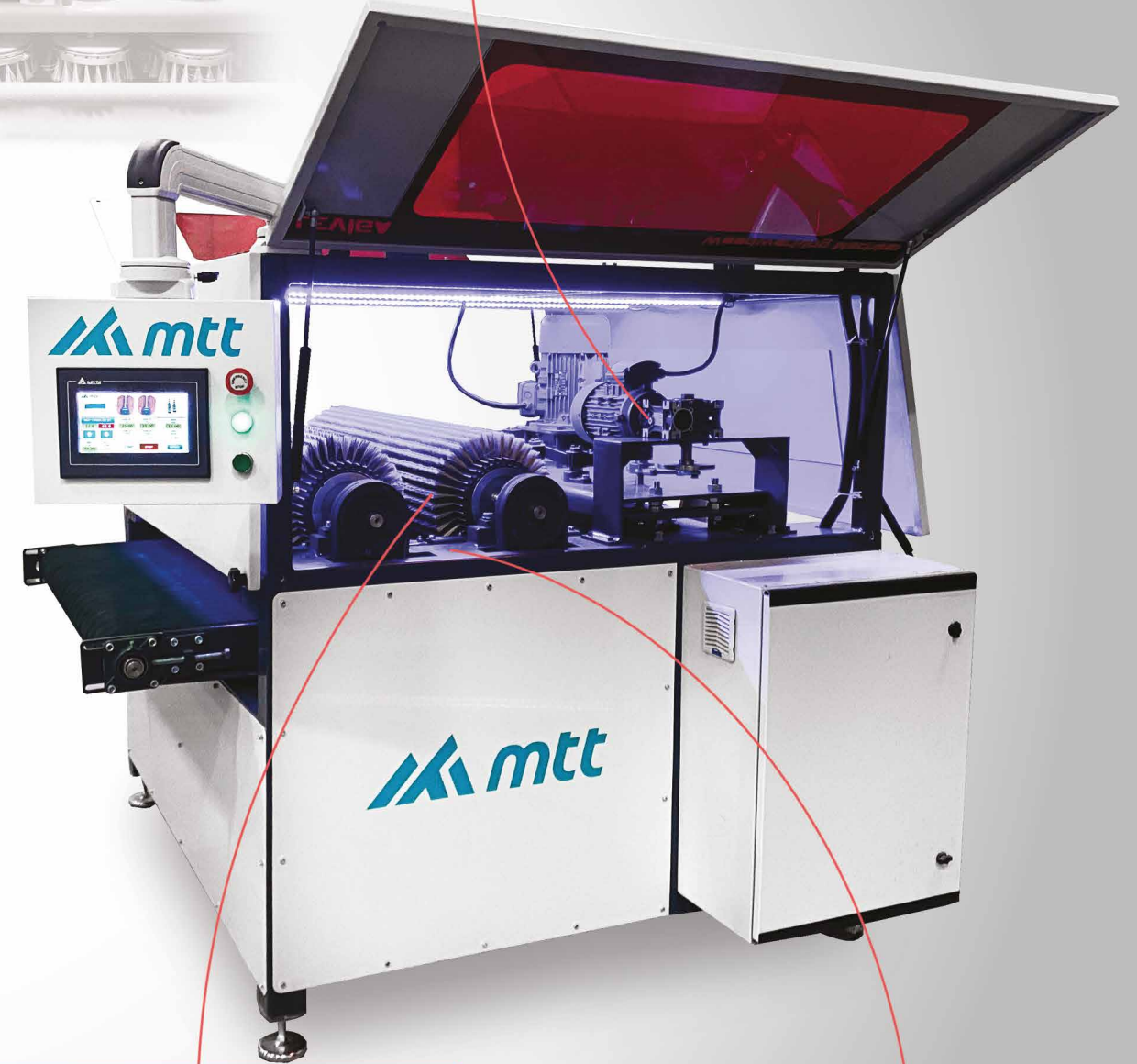
Disc Sanding System

It enables the products passing through the tambours sanding unit to be sanded by oscillating (rubbing) on indented surfaces with finer grit sandpapers. Disc sanders with Tampiko grass extend the life of the sander. In this way, the surface quality in the final product gives maximum results.



Conveyor Band System

Thanks to the automatic adjustable height system, maximum efficiency is achieved on the surface in sanding operations. Thanks to the band with a special surface used, a non-slip floor is provided.



Tambour Sanding System

In this section, which consists of 2 units, it is ensured that the first sanding of the surface is done, starting from the coarse sand. Here, the sandpaper life is extended by choosing tampiko grass abrasives.



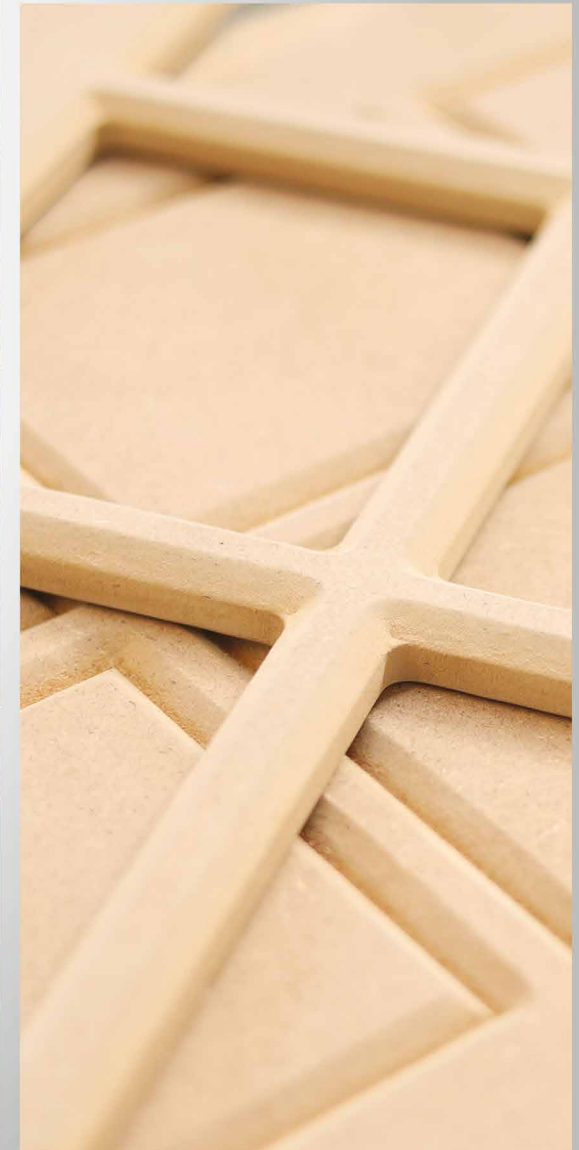
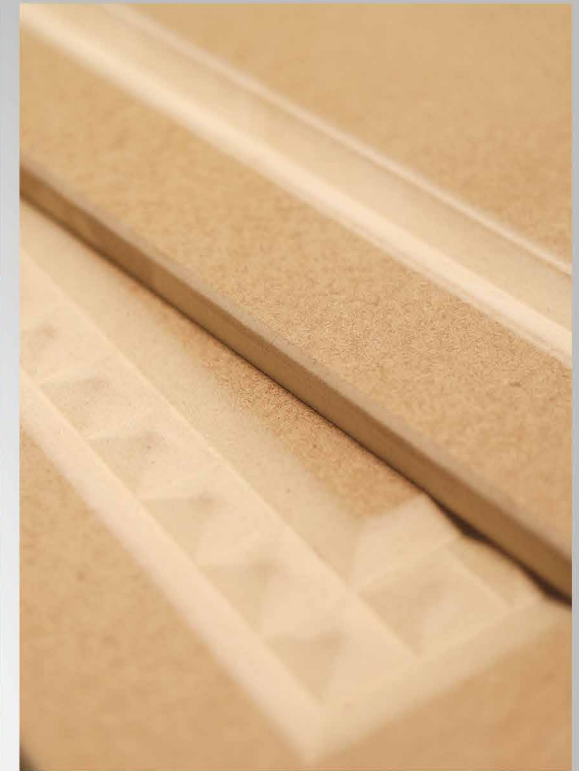
Pressure Rollers

Thanks to the rubber - coated rollers, it is ensured that the sanded products do not slip.



LEVIGA / TECHNICAL SPECIFICATIONS

- **Minimum Product Size**
250 mm
- **Product Thickness Range**
0 mm - 70 mm
- **Maximum Product Width**
1100 mm
- **Maksimum Konveyör Hızı**
18 meter/min
- **Maximum Conveyor Speed**
Specially designed surface allows products to be processed without slipping.
- **Abrasive Sand Selection Range**
May vary according to customer requirements
- **Disc Sanding Unit General Features**
It enables the products passing through the tambour sanding unit to be sanded by oscillating (rubbing) on indented surfaces with the help of finer grit sandpapers. Disc sanders with Tampiko grass extend the life of the sander. In this way, the surface quality in the final product gives maximum results.
- **Tambour Sanding Unit General Features**
In this section, which consists of 2 units, it is ensured that the first sanding of the surface is done, starting from the coarse sand. Here, the sandpaper life is extended by choosing tampiko grass abrasives.
- **Width**
2100 mm
- **Height**
1800 mm
- **Length**
2300 mm
- **Weight**
1200 kg
- **Energy Consumption**
8,5 Kw/hour
- **Disc Sanding Unit**
1 Piece
- **Drum Sanding Unit**
2 Piece





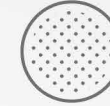
Dust Suction Section

By making piping to the inlets in this area, the dust generated during sanding is transferred to the dust suction unit.



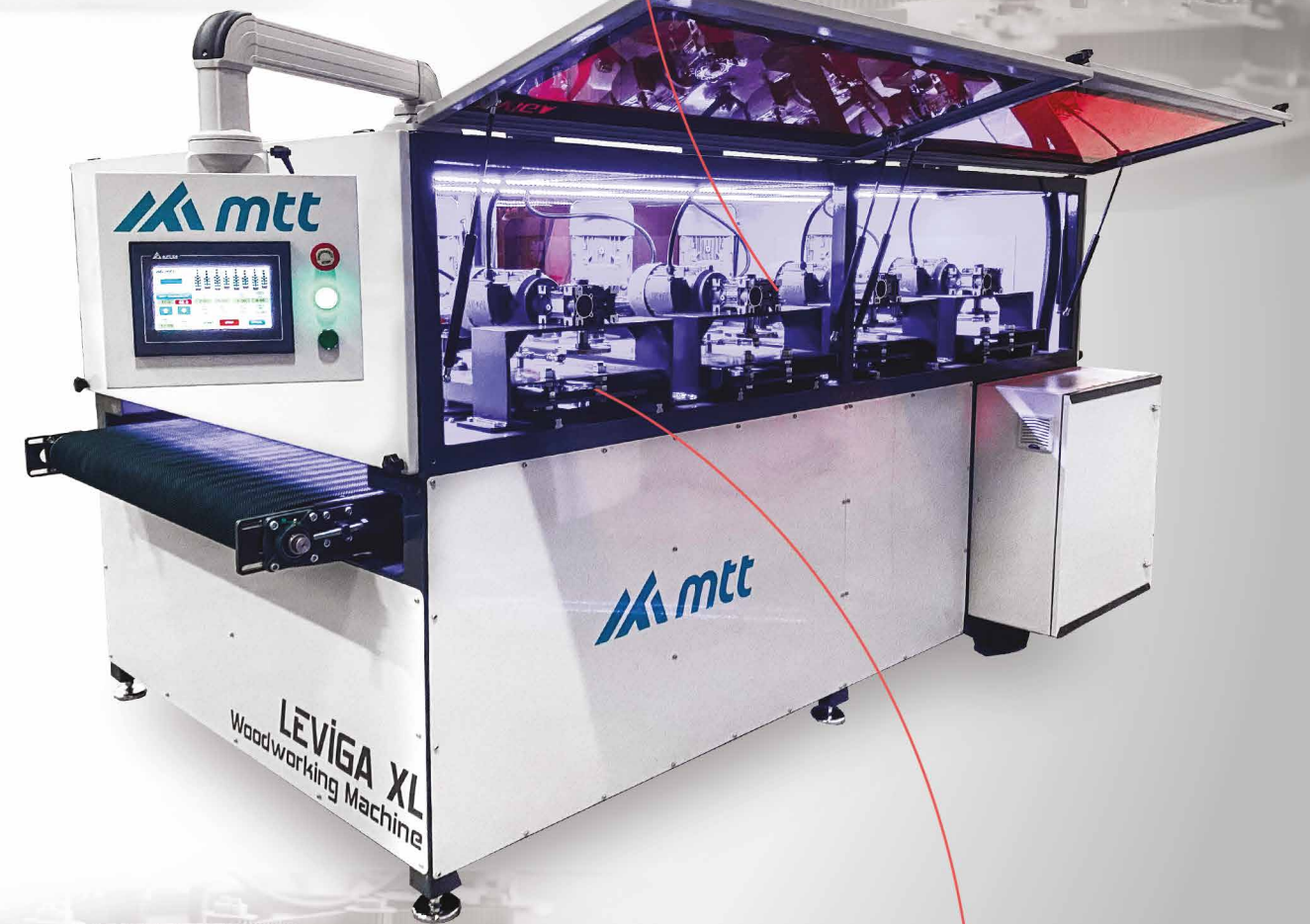
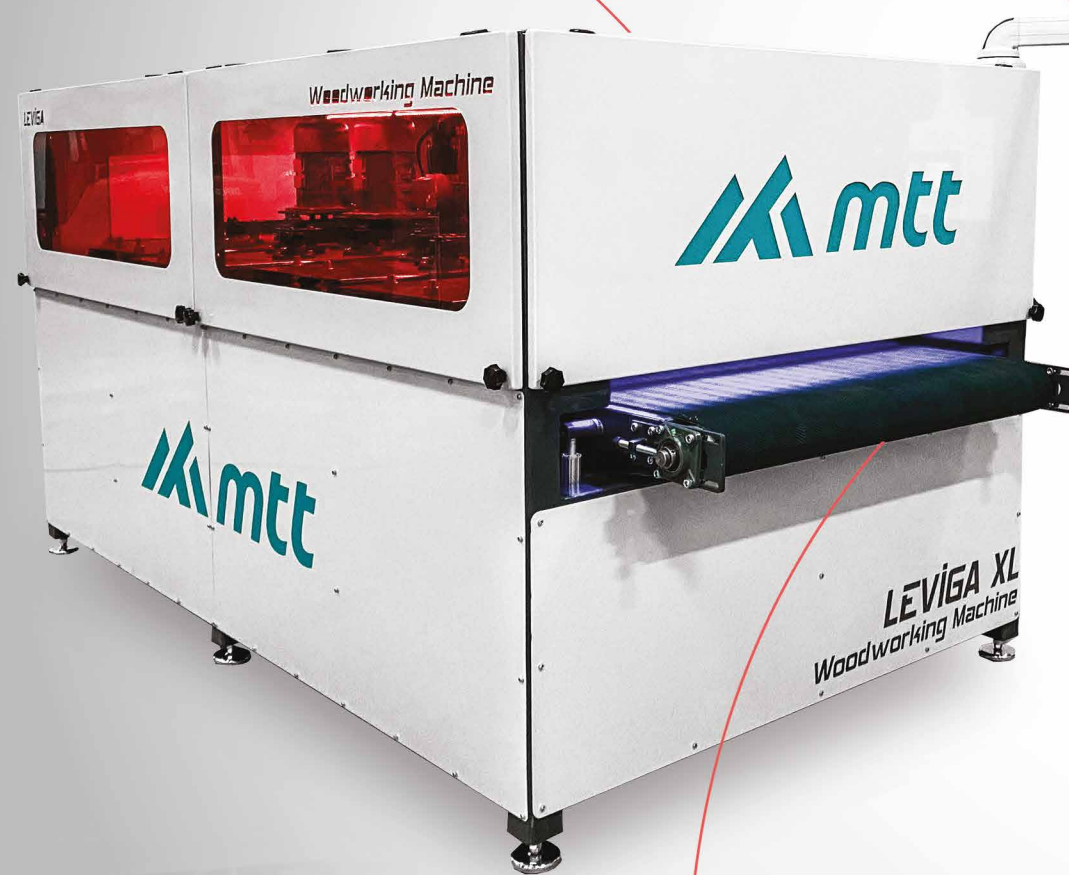
Touch PLC Screen

It helps to give commands to the units to obtain a healthy result in the product to be processed. The speeds of the tambours, discs and bands can be changed automatically. At the same time, the band height can come to the entered value automatically.



Disc Sanding System

It enables the products passing through the tambours sanding unit to be sanded by oscillating (rubbing) on indented surfaces with finer grit sandpapers. Disc sanders with Tampiko grass extend the life of the sander. In this way, the surface quality in the final product gives maximum results.



Conveyor Band System

Thanks to the automatic adjustable height system, maximum efficiency is achieved on the surface in sanding operations. Thanks to the band with a special surface used, a non-slip floor is provided.



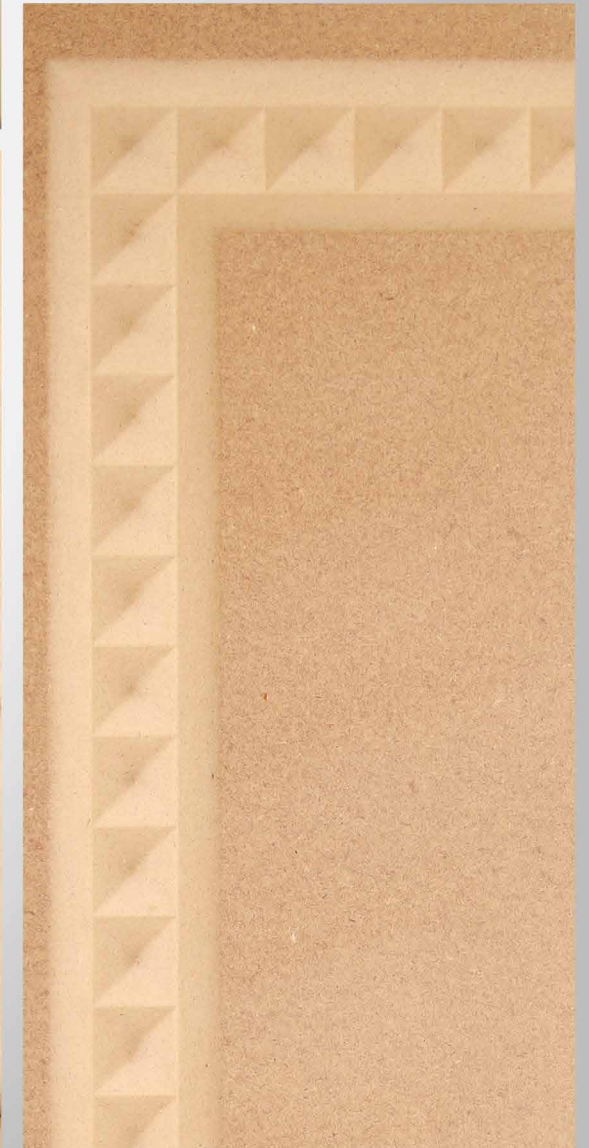
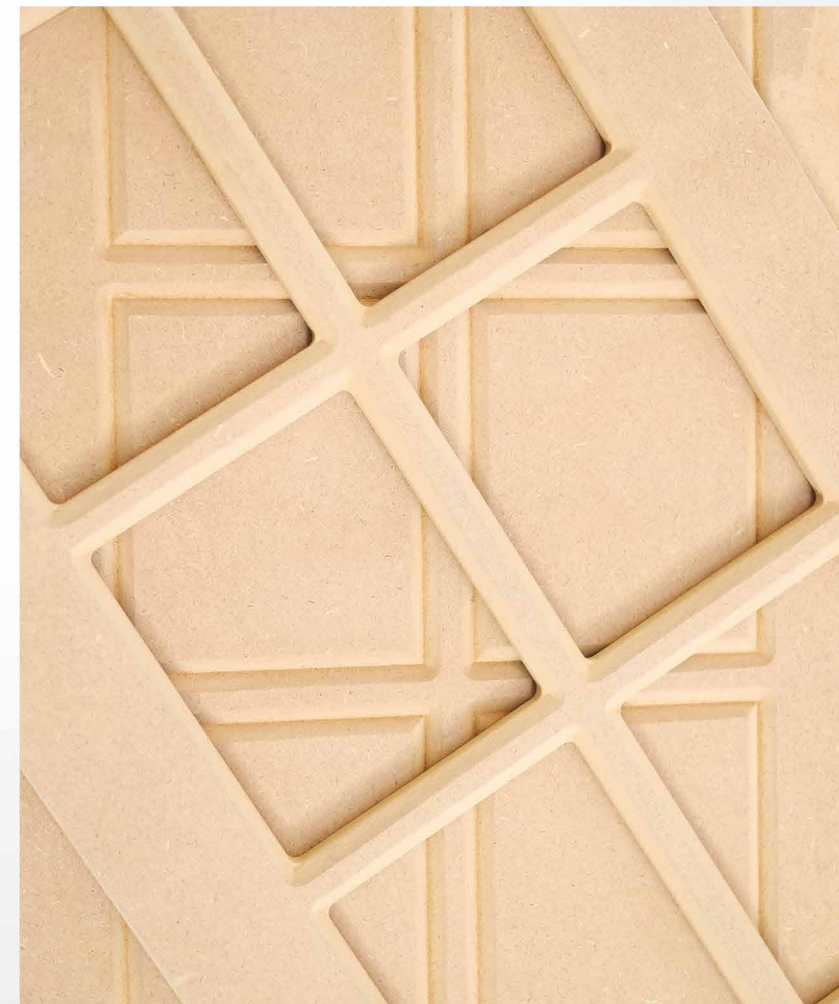
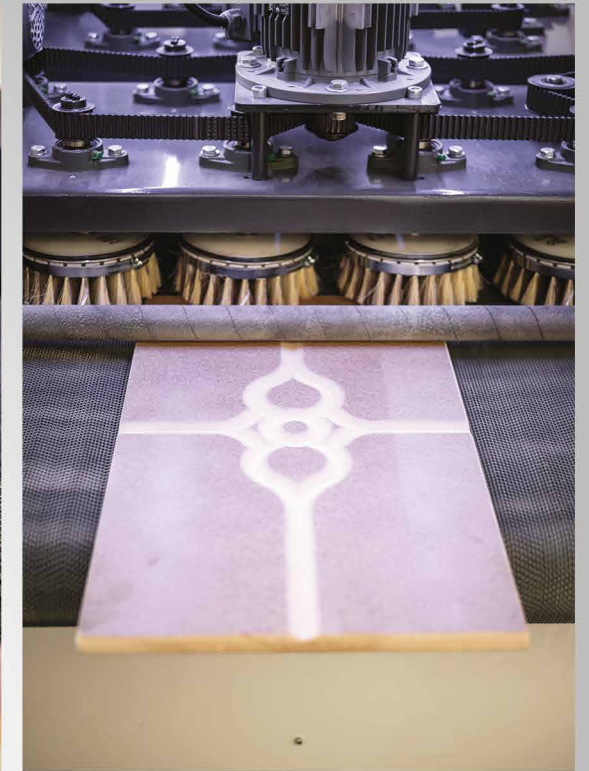
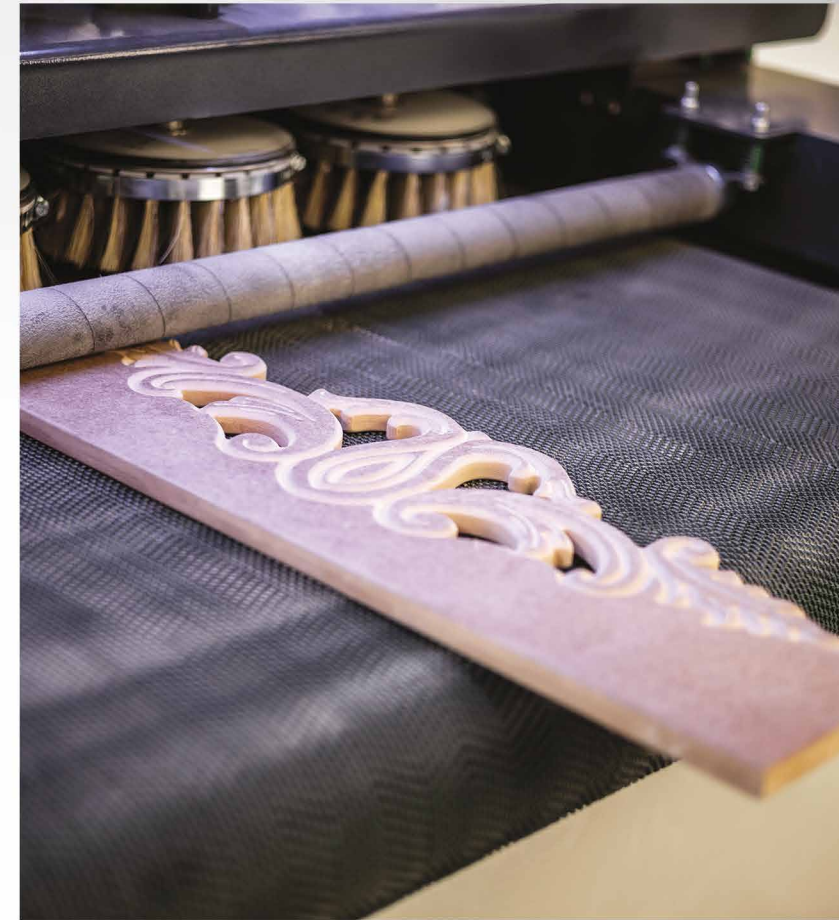
Pressure Rollers

Thanks to the rubber - coated rollers, it is ensured that the sanded products do not slip.



LEVIGA XL / TECHNICAL SPECIFICATIONS

- **Minimum Product Size**
250 mm
- **Product Thickness Range**
0 mm - 70 mm
- **Maximum Product Width**
1100 mm
- **Maximum Conveyor Speed**
18 meter/min
- **Conveyor**
Specially designed surface allows products to be processed without slipping.
- **Abrasive Sand Selection Range**
May vary according to customer demands.
- **Disc Sanding Unit General Features**
It enables the products passing through the tambour sanding unit to be sanded by oscillating (rubbing) on indented surfaces with the help of finer grit sandpapers. Disc sanders with Tampiko grass extend the life of the sander. In this way, the surface quality in the final product gives maximum results.
- **Width**
2100 mm
- **Height**
1800 mm
- **Length**
3800 mm
- **Weight**
1900 kg
- **Energy Consumption**
13,5 Kw/hour
- **Disc Sanding Unit**
4 Piece





Touch PLC Screen

The lock location is selected from the prescripton system according to the lock and feature of the door that is to be opened, and a command is given. The desired program run by giving separete commands to the engines that perform 3 diffrent operations.

Processing Engines

Thanks to the high-speed motors used, the surface quality is increased and the processing time is shortened.



Adjustable Table

The table height can be adjusted according to the door size to be processed.



Servo Motors

Thanks to the planetary geared servo motor, measurements are obtained with maximum precision at high speeds.

Linear Guide and Rack

It plays an important role in processing precision and speed in operation.

Movable Cable Channel

It prevents cable deformations that may occur due to the movement of the machine.

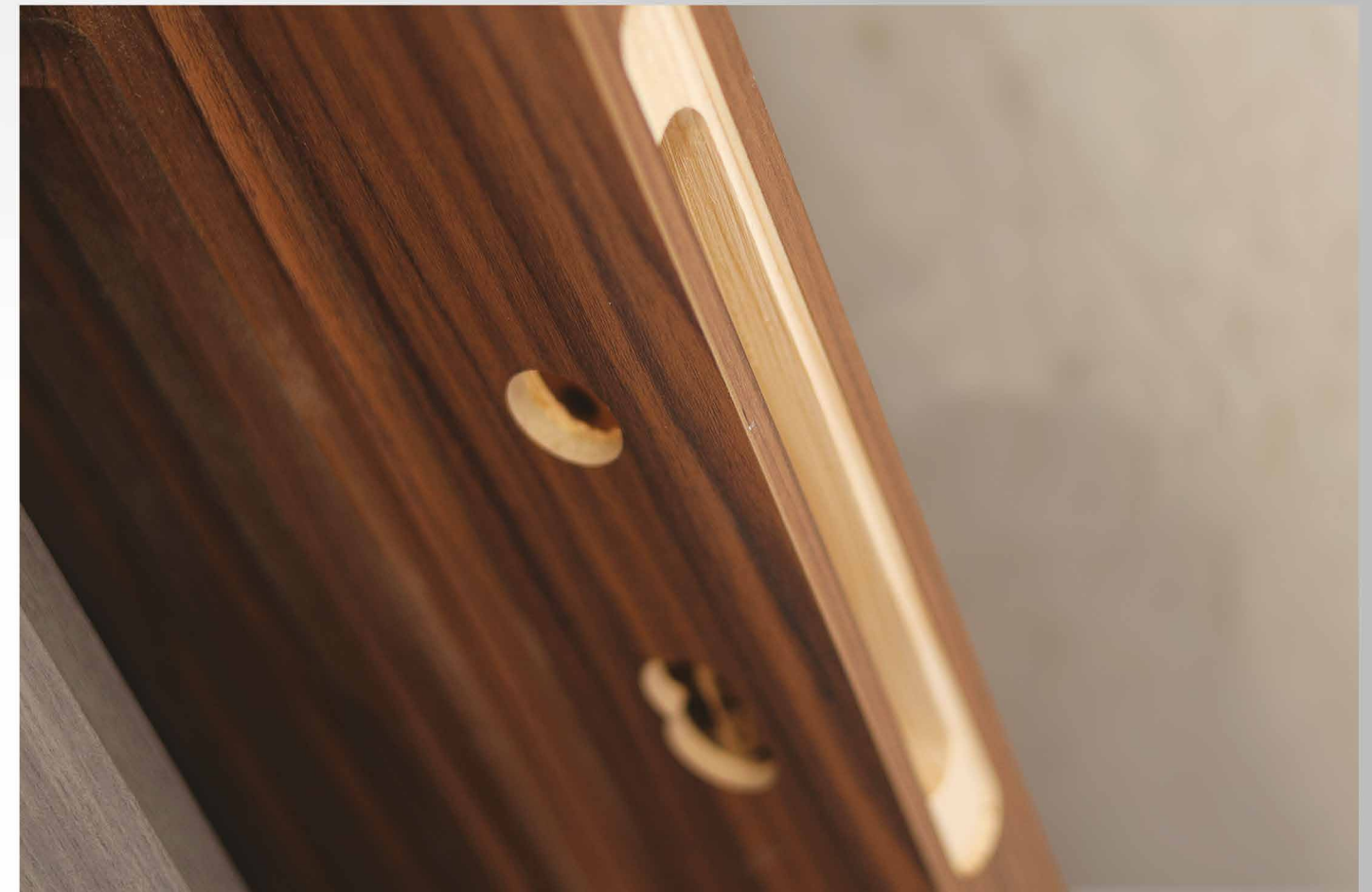


Compression Piston

It ensures that the products do not move during the process.

Control Pedal

It allows the machine to start process enables faster production prioritizes work safety and ensures that work accidents are prevented.

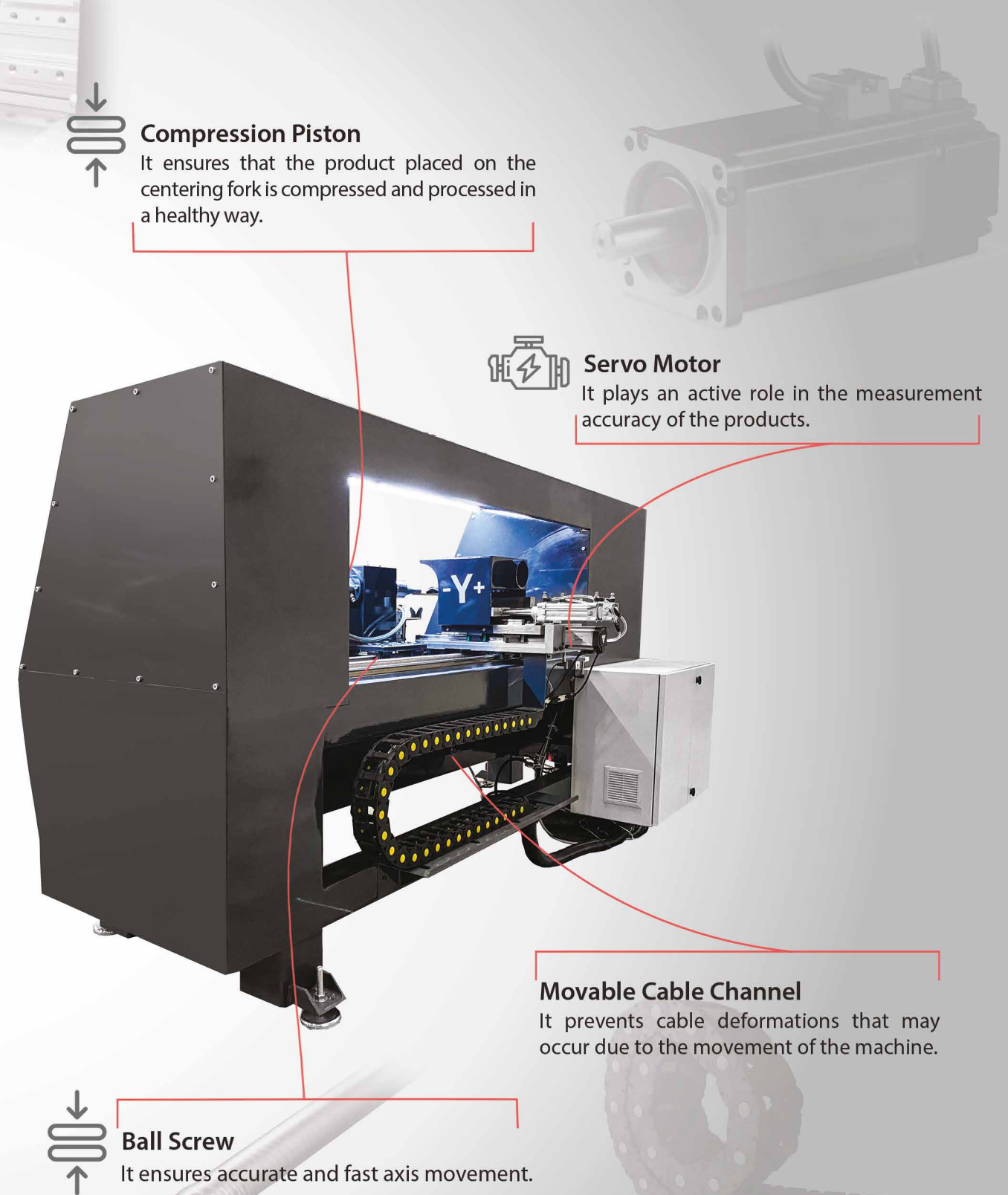


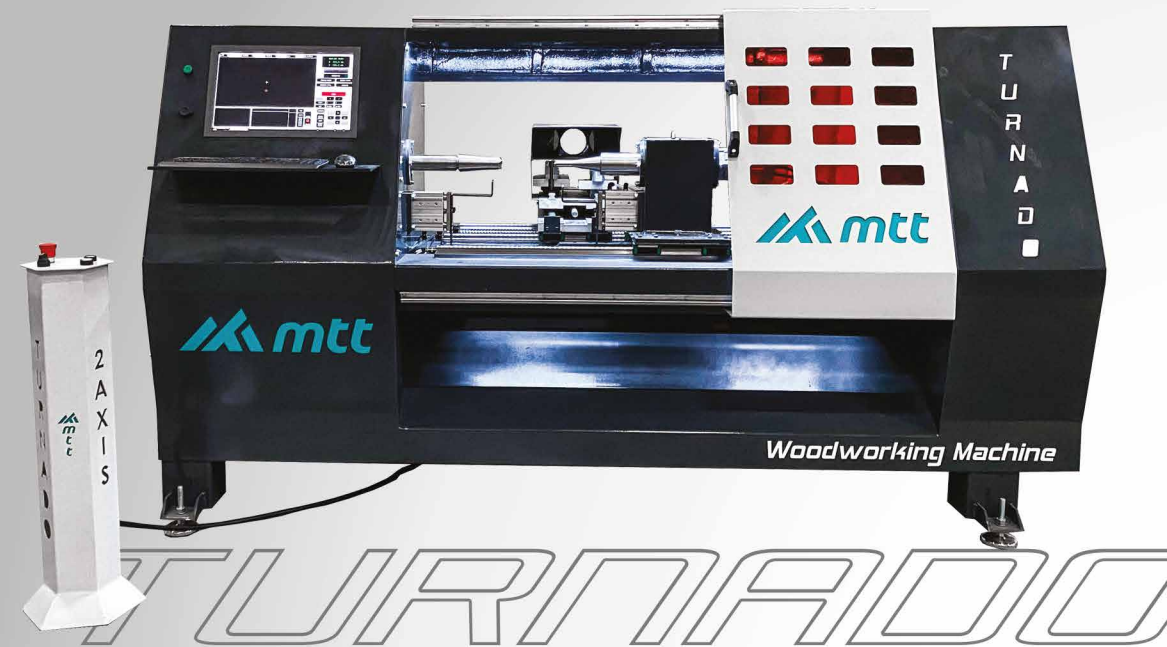
Porta / TECHNICAL SPECIFICATIONS

INSTRUCTIONS

Distance Between Lock and Handle	0 mm - 1200 mm (Max)
Lock Space Operation Range	0 mm - 450 mm (Max)
Chuck Milling	0 mm - 500 mm
Drilling Rev	8000 RPM - 12000 RPM
Lock Space Drilling Rev	8000 RPM - 12000 RPM
Milling Rev	12000 RPM
Lock Space Drilling Engine	4 kW - 12000 RPM
Chuck Milling Engine	4 kW - 12000 RPM
Lock and Handle Drilling Engine	4 kW - 12000 RPM
Power - Energy	12 kW
Air	6 atm - 8 atm
Weight	750 kg
Length	2000 mm
Width	1250 mm
Height	1600 mm







TURNADO / TECHNICAL SPECIFICATIONS

INSTRUCTIONS

2 Axis	X - Y
2 Unit	Cutting Tools - Triangel Blade
Control Unit	PC Based
Program	CAM Programs
Max Product (Square)	150 mm x 150mm
Max Product Length	900 mm
X Axis	80 m/min (max)
Y Axis	25 m/min (max)
Spindle (Asynchronous Engine)	5,5 kW - 3000 RPM
Weight	1350 kg
Length	2650 mm
Width	1200 mm
Height	1500 mm



Automatic Support System

It minimizes reference misalignment in the materials to be processed.

Dust Suction Unit

It transfers the dust generated formed during sizing.

C-Axis Head Unit

Thanks to the harmonic reducer, the scratcher and saw units rotates precisely and quickly on the C axis, allowing you to obtain a precise surface in a short processing time.

Control System

It allows the operator to control the machine independently of the control panel.

Sizing Processing Unit (Spindle)

It provides quality and fast cutting thanks to its high-speed scratching saw and cutting saw.

Piston Wheel System

It allows the operator to easily reference the material to be processed to the support system and to quickly retrieve the processed material after the machine has made sizing.

Touch PLC Screen

Allows the door to be sized by entering desired dimension valves of the door to be sized. Thanks to the saving system, different measurements are saved.

Aluminum Vacuum Pad

It ensures that the processed product remains stable thanks to strong suction. There are 6 pieces in each table and can be adjusted according to the door size.

Vacuum Motor

For a quality surface treatment, the material must be fixed with a strong grip. For this purpose, a high performance and efficient vacuum motor is used



Servo Motor

It enables error-free sizing thanks to high-speed and precise motors. There are separate servo motors on each axis.

Rack and Slide

High precision rack and pinion racks are used to facilitate efficient high-speed axial movements.

Movable Cable Channel

Prevents cable deformations that may occur due to the movement of the machine.



MITRA / TECHNICAL SPECIFICATIONS

DESCRIPTION	SINGLE TABLE	DOUBLE TABLE
Product Thickness Range	0-50 mm	0-50 mm
Maximum Product Width	1100 mm	1100 mm
Processing Area	1100x2350 mm	1100x2350 mm
Saw Engine Power	5,5 kW	5,5 kW
Saw Engine Speed	12000 rpm	12000 rpm
Plotter Engine Power	5,5 kW	5,5 kW
Plotter Engine Speed	12000 rpm	12000 rpm
X Axis Motor Power	0,75 kW	0,75 kW
Y Axis Motor Power	0,75 kW	0,75 kW
C Axis Motor Power	0,75 kW	0,75 kW
Vacuum Pump	90 m³/h	90 m³/h
Air Pressure	6-8 bar	6-8 bar
Dimensions	2100x4000x2100 mm	2100x6000x2100 mm
Total Power	15,5 kW	15,5 kW
Total Weight	~2300 kg	~3500 kg