

MAMMUT

Pure innovation, ultimate precision, technology built to master every challenge.
All in your hands.



Not just
different.
Better.



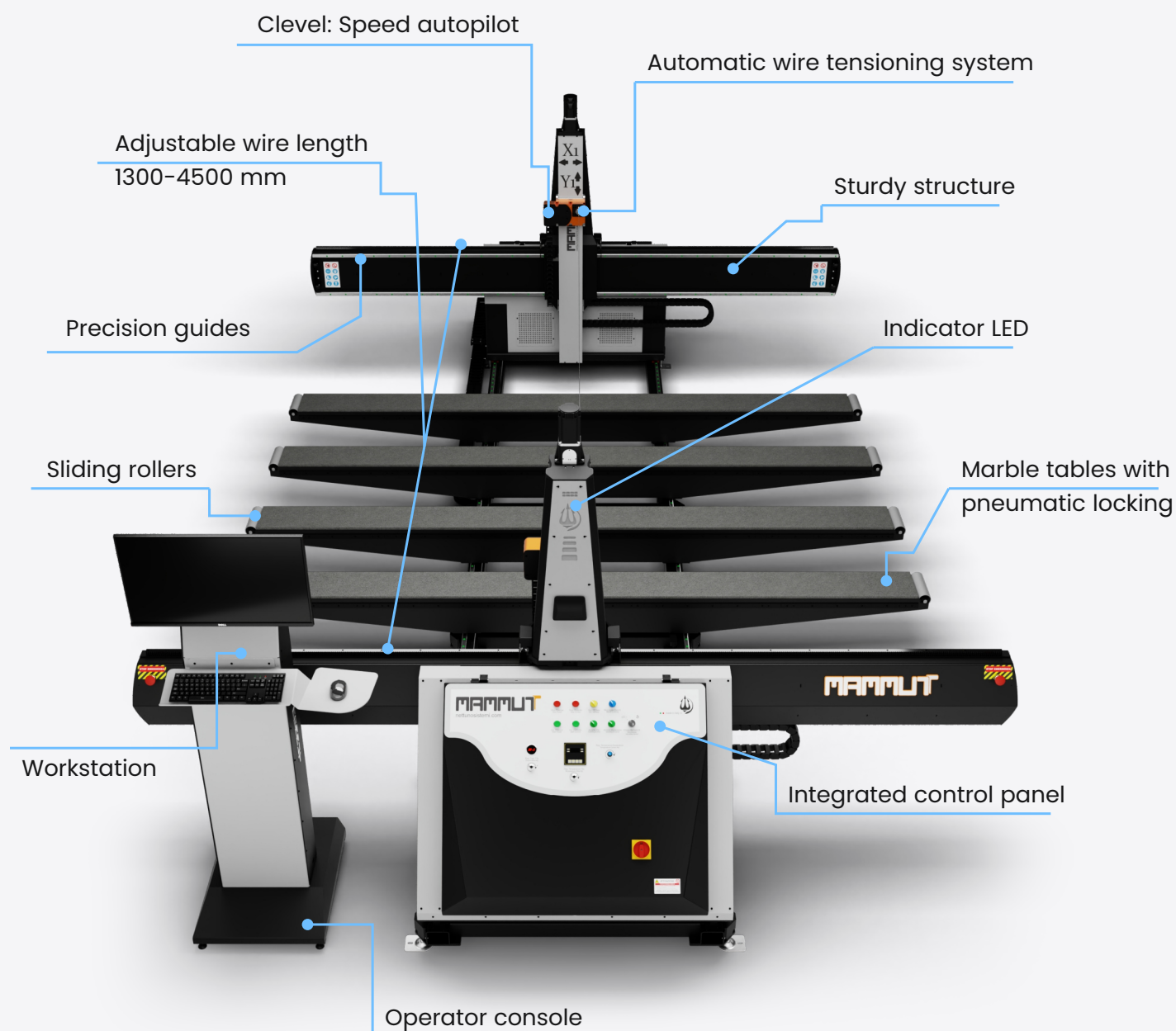
Created to dare.

We believe the future of work is built today. With Mammut, we've redefined industrial performance, creating a machine that places innovation and precision at the very heart of every process.

Polystyrene, a naturally versatile material, becomes pure possibility with Mammut: sharp, accurate, and surprising shapes, ready to meet the demands of the most diverse industries. From construction to scenography, from decoration to interior design, from thermal and acoustic insulation to 3D signage and visual communication. Even theme parks, trade fair stands, and the most complex packaging take on their perfect form.

Mammut is not just a machine: it's the beginning of a new era of efficiency, creativity, and success.

Attention to detail.



To discover everything Mammut can offer, browse the dedicated sections: available accessories from page 5 to 19, and the full technical sheet on page 22.

The cnc that **dominates.**

Wire without limits.

Mammut integrates an in-house developed automatic wire friction system. The wire can tilt freely, reaching maximum diagonal angles. The result? Complex, precise cuts impossible with traditional machines.

Always stable heat.

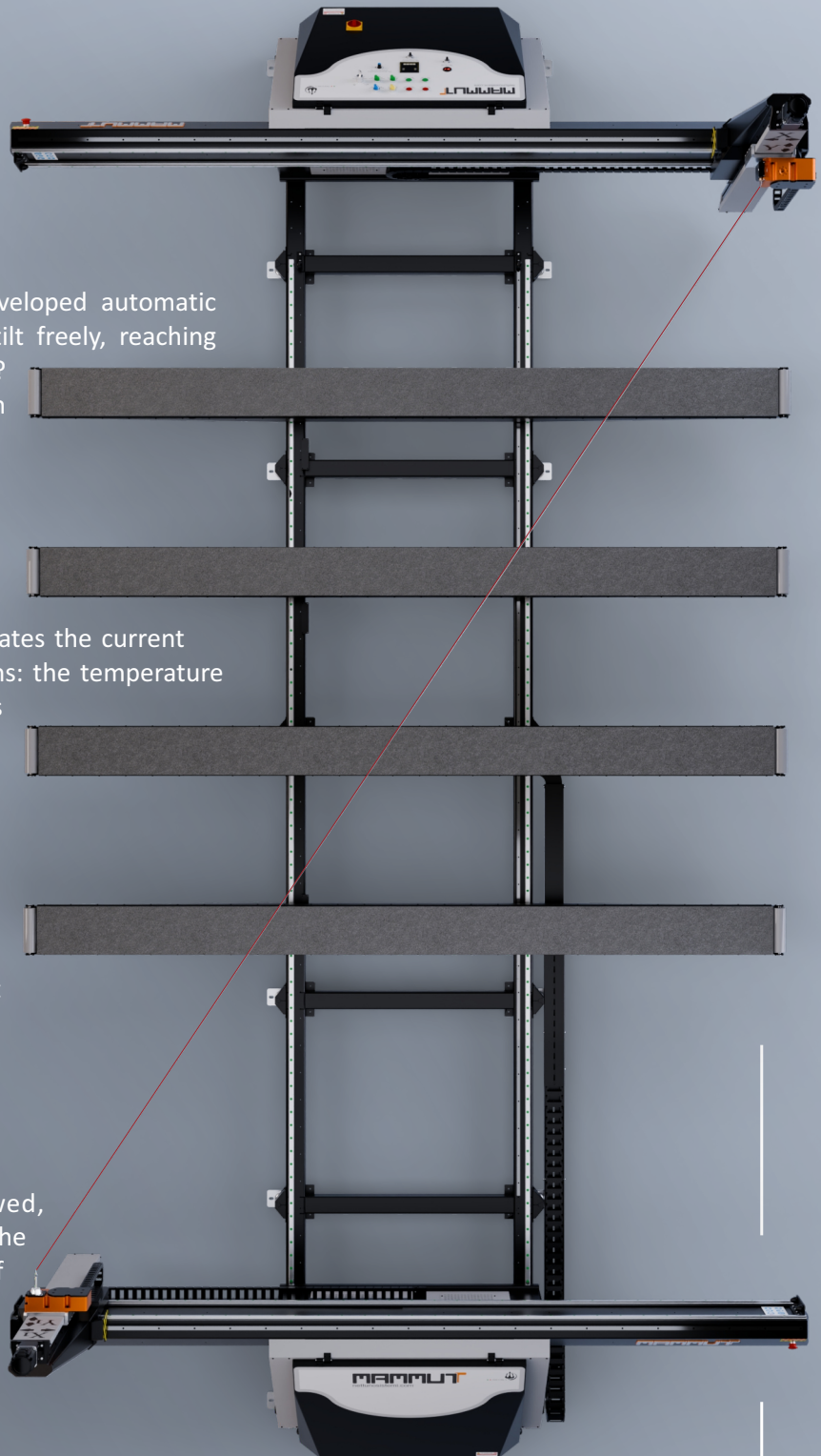
A microprocessor automatically regulates the current on the wire. No drops, no fluctuations: the temperature stays constant. That means flawless performance under any condition.

Precise movement.

Brushless motors with absolute encoders and ball screw linear guides. Every movement is smooth, every cut perfectly accurate—start to finish.

Made for you.

Completely redesigned and renewed, Mammut inherits the proud legacy of the Infinity model, integrating years of experience and achievements to deliver unmatched performance and innovation.





Adaptable technology.

Mammut is more than just a machine: it's a complete system designed to grow alongside your business.

Dedicated accessories expand its capabilities, making every cut faster, more precise, and perfectly tailored to your operational needs.

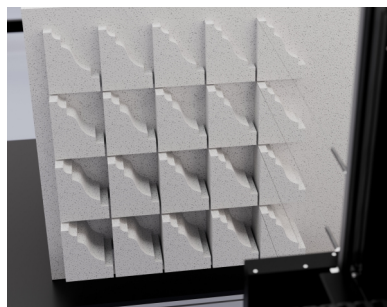
Every component is engineered to optimize workflow, reduce downtime, and confidently handle even the most demanding projects.

Whether you need to boost productivity, improve cutting quality, or work with non-standard shapes, Mammut delivers the power and reliability you expect from our flagship model.

With Mammut, no task is out of reach: everything becomes possible.



Perfect cuts, always.



Smart efficiency.



Limitless application fields.

Extra accessories

Cutting extension.

Extendable Z-axis up to
6000 mm

+1500 mm



Option to add 1–3
additional sliding tables

Extra tables.

Complete performance for Creative minds.

Mammut is equipped with a PC, monitor, keyboard, and mouse to be fully operational right away.



Computer.

Dell OptiPlex XE4: flawlessly supports the Nettuno software.



Monitor.

Dell 27-inch Full HD monitor: spacious, sharp, and reliable.



Keyboard.

Dell keyboard and mouse: essential, compact, and responsive.



Handheld keypad

The keypad is the perfect accessory for those who want to work with more comfort, flexibility, and control.

Included accessory



Lightweight



Handheld



Intuitive



Full Control at Your Fingertips

It allows you to perform operations such as jog movement, start, pause, and stop of processes, speed adjustment, lathe rotation control, and viewing of axis coordinates—all remotely.

The **mind** behind the machine.



Stability

Supports PCs and monitors
with total security.



Control

Manage movements with
absolute precision.



Comfort

Ergonomic workstation for
total freedom.

THE WIRE BECOMES SMART.

Clevel:
Extra accessory

Automatic Speed
Adjustment System
Patented by
Nettuno Sistemi



Clevel automatically adjusts the wire speed in real time, adapting to the material. No supervision needed no risk of errors — the machine works perfectly while you can relax, listen to music, or focus on other tasks.

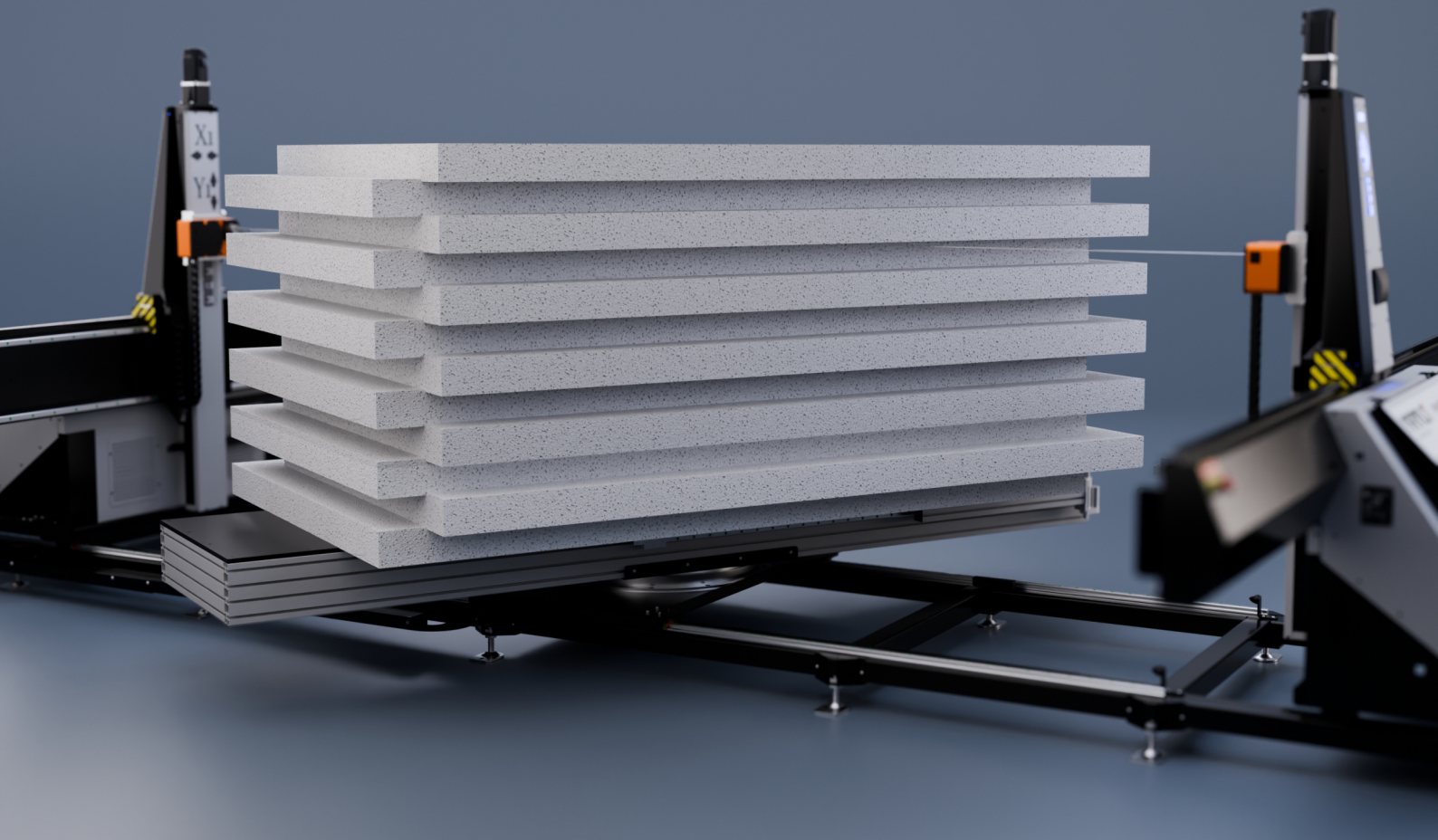
Don't move it. Rotate it.



Extra accessory

Automatically rotates EPS blocks.

Allows cutting on all 4 sides
without moving the block.



Main rotating table

Automatic, precise, effortless.

With the main rotating table you can cut on all four sides of the block without ever repositioning it.

Even pieces up to 3000 mm become easy to handle, with customizable angles such as 45°, 60°, or any inclination needed to achieve perfect results.

The automatic rotation, fully controlled by the software, enables multi-side machining with total precision, optimizing both time and productivity.

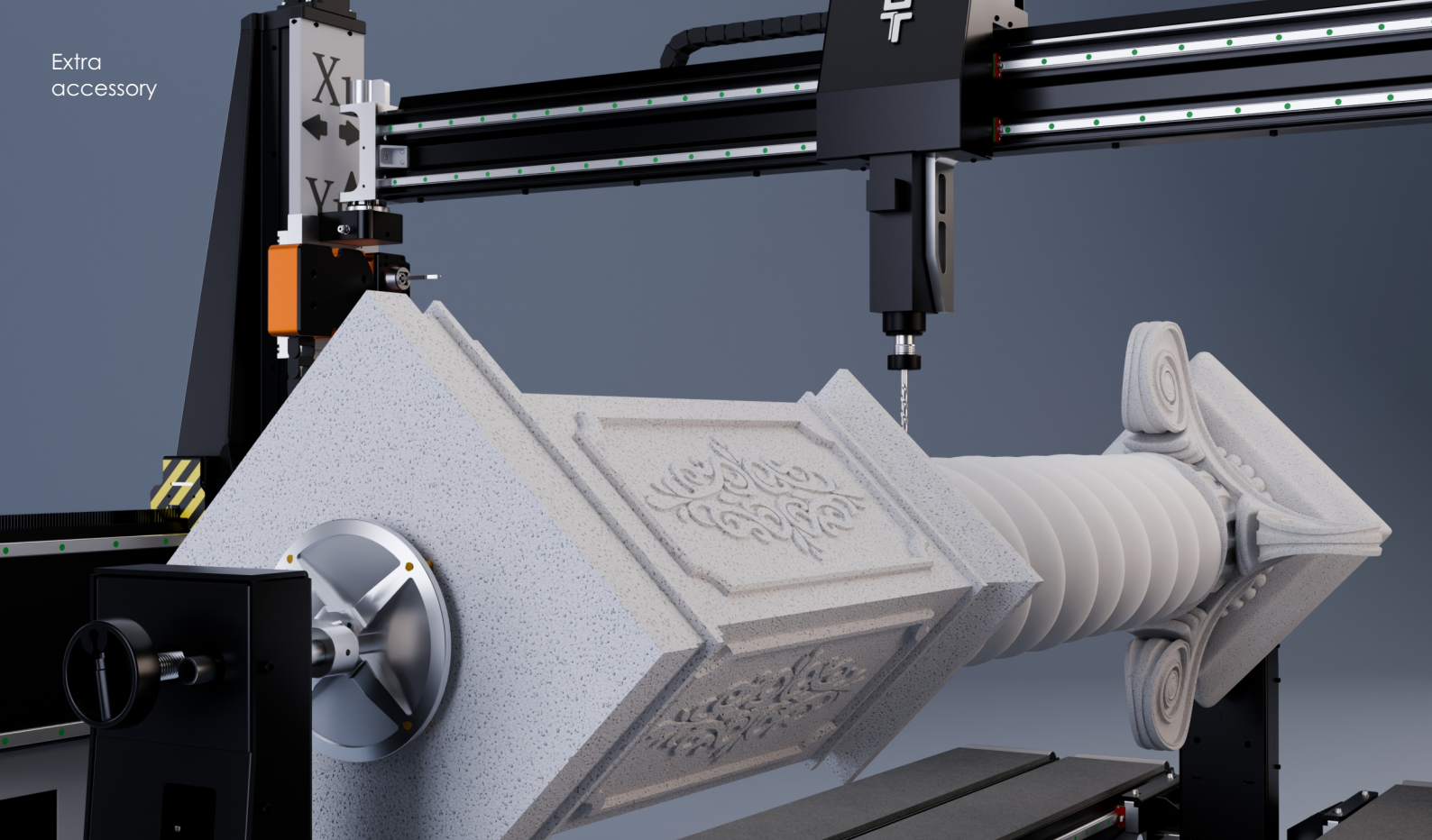
Thanks to the table's turntable function, creating large-sized shapes becomes simple and accurate.

An additional support table is included, allowing you to place extra surfaces wherever needed, increasing flexibility and convenience in daily operations.

Boundless creativity.

4 axis CNC milling router.





Shape. Cut. Sculpt.

Discover the hidden shape of polystyrene

The 4-axis CNC milling accessory delivers outstanding versatility, allowing operations both on flat surfaces and in combination with the horizontal lathe.

By combining the lathe's rotation with simultaneous 4-axis movement, Mammut performs 360° machining, ensuring flawless precision and detail even on the most complex geometries.

Nettuno's automatic integration system allows

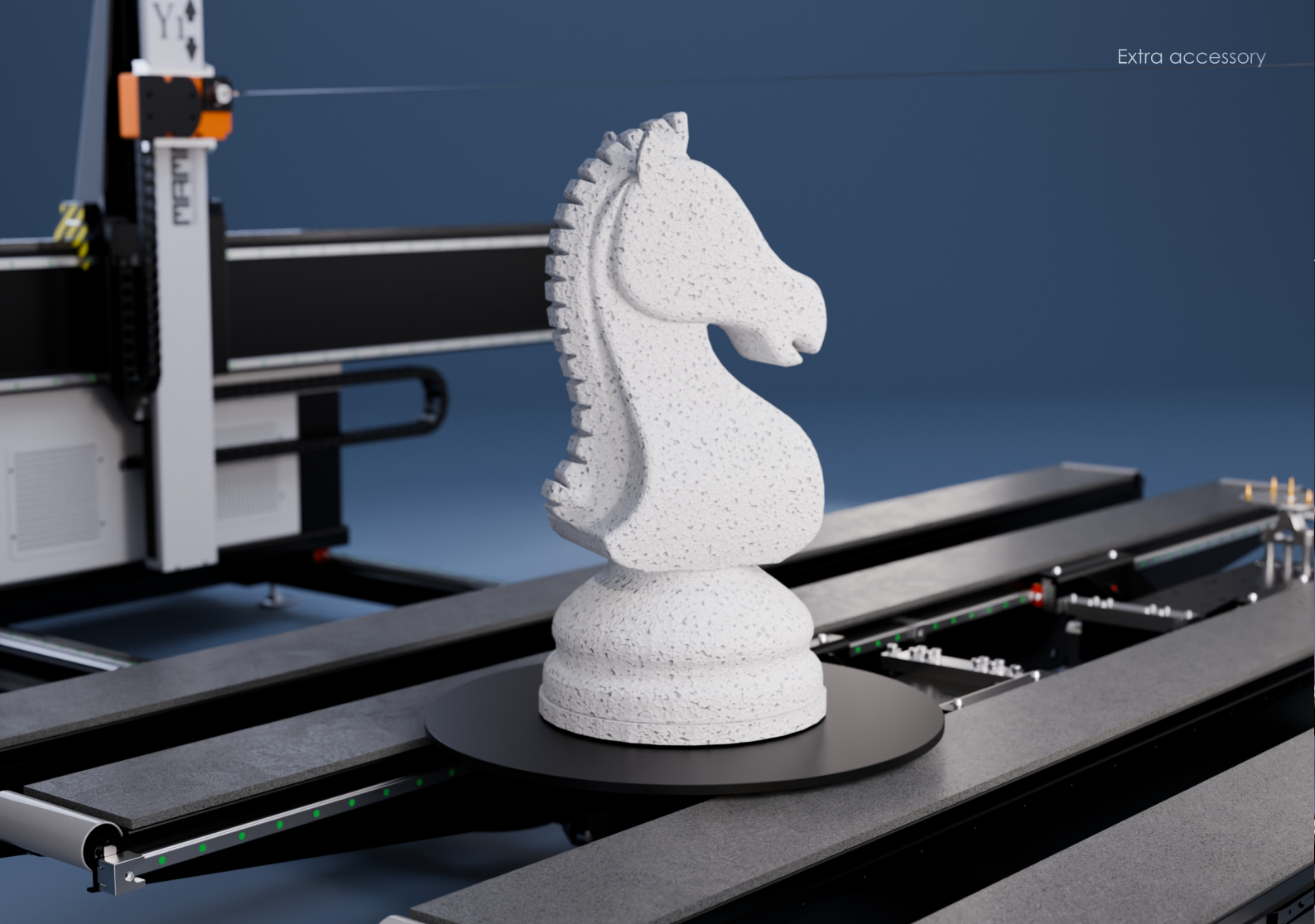
the milling head to be mounted directly onto the hot-wire machine, fully managed through simple, intuitive software commands.

This solution enables the operator to rough out the material with hot-wire turning and then refine the final details with the accuracy of CNC milling.

The result: optimized production times and a clear advantage in achieving highly accurate 3D shapes.

Plane work area:	X 3000 - Y 1600 - Z 1100 mm
Lathe work area:	X 2300 - Y 1600 - Z 550 mm
Software:	Management window
Absorption:	2 kW
Spindle revolutions:	18.000 RPM





Vertical turntable

Total control of rotation and maximum stability.

By placing polystyrene blocks (EPS, XPS) in a vertical position, Mammut can sculpt the entire surface of the material with full 360° freedom of movement.

This setup is perfect for creating complex shapes, intricate details, and finely carved surfaces such as decorative columns, architectural elements, spheres, or artistic components.

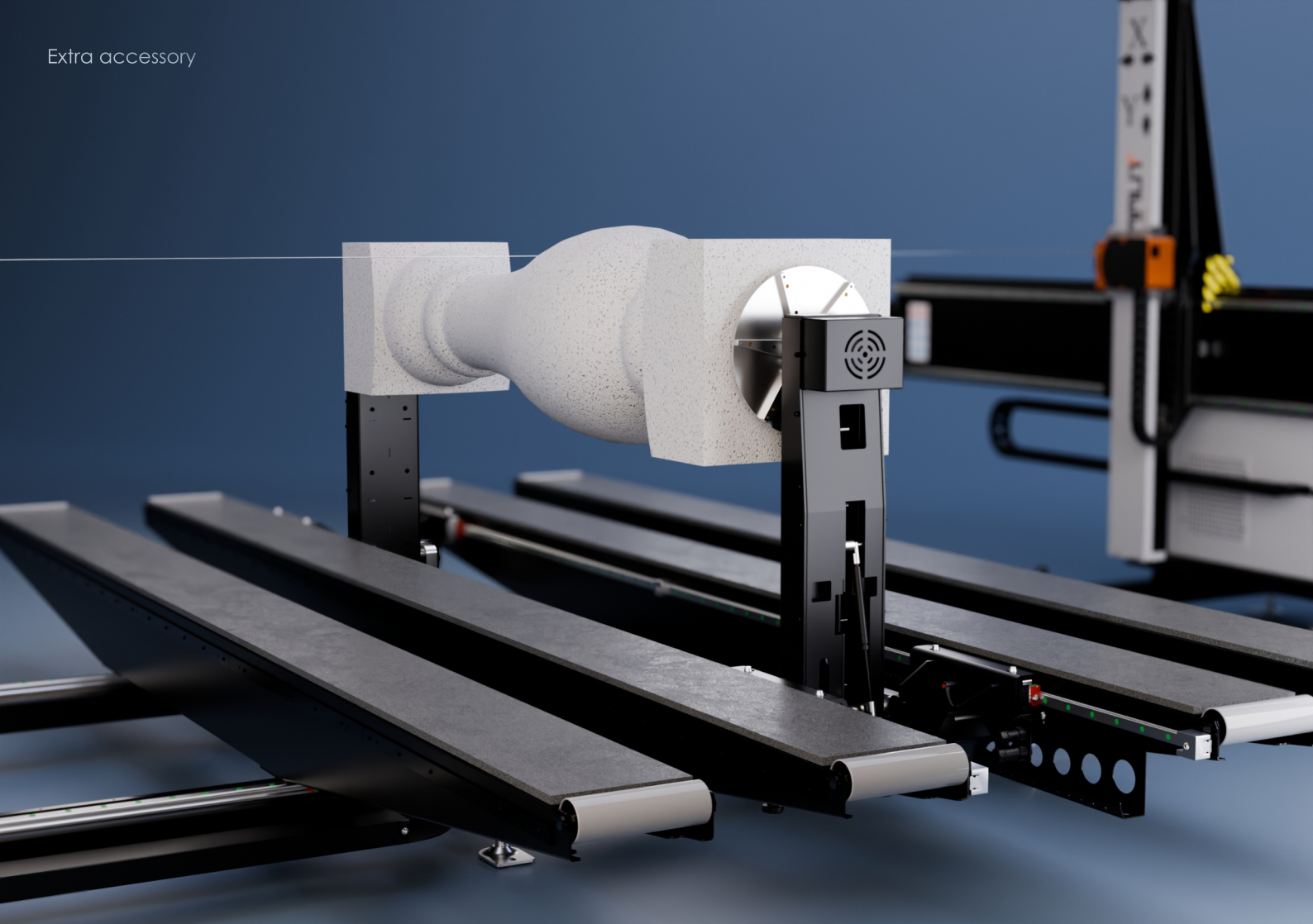
The vertical configuration ensures maximum

block stability, minimizing vibrations and preserving every detail with accuracy.

With direct control through Nettuno Software, every movement is managed with micrometric precision.

Rotation speed is adjusted in real time, enabling continuous, uniform operations and ensuring outstanding aesthetic quality, even on irregular and highly complex geometries.

X cutting area:	Max. diameter 2000 mm	Software	Management window
Y cutting area:	Max. height 1200 mm	Absorption	400 watt



Horizontal lathe

The ideal choice for long blocks.

The horizontal lathe further expands Mammut’s capabilities, enabling the complete and continuous machining of the entire length of the block.

This configuration uses a tailstock to keep the material perfectly aligned, allowing long operations without interruptions.

It is the ideal solution for producing extended and regular elements such as beams, cylinders, columns, or elongated shapes.

The constant rotation of the block, combined with the advanced control of Nettuno Software, ensures uniform, finely finished surfaces with consistent precision along the entire piece.

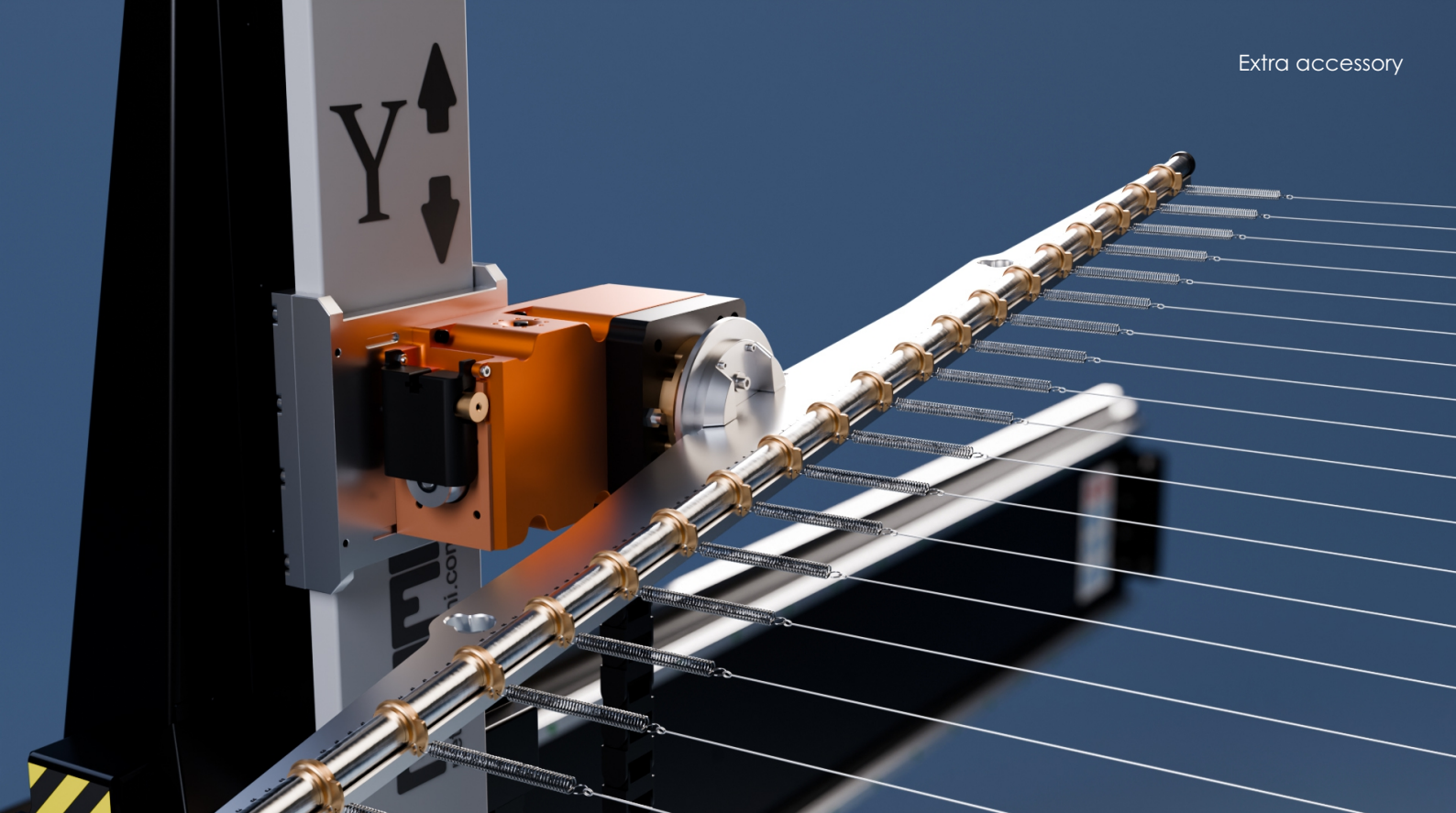
The horizontal lathe integrates seamlessly into industrial workflows, improving production times and offering full automation: from block alignment to speed management, every process is handled without manual intervention.

X cutting area:	2450 mm	Software	Management window
Y cutting area:	1100 mm	Absorption	400 watt

Multiple wire harp

When quantity is needed.





More wires, more pieces, less time.

Series cutting

With the multiple wire harp, you can cut multiple pieces at once. Up to 20 wires work in perfect sync on the same block, producing identical elements in a single pass.

Total flexibility

The wires can be mounted and repositioned with ease, adjusting the spacing through the integrated metric scale. Vertical, horizontal, or diagonal: the harp adapts to any cutting configuration.

Automatic rotation version

Thanks to the motorized system, the harp rotates from 0° to 90° without manual effort. From the software you select the angle, adjust panel thickness, and control the stroke along the X-axis.

Instant control

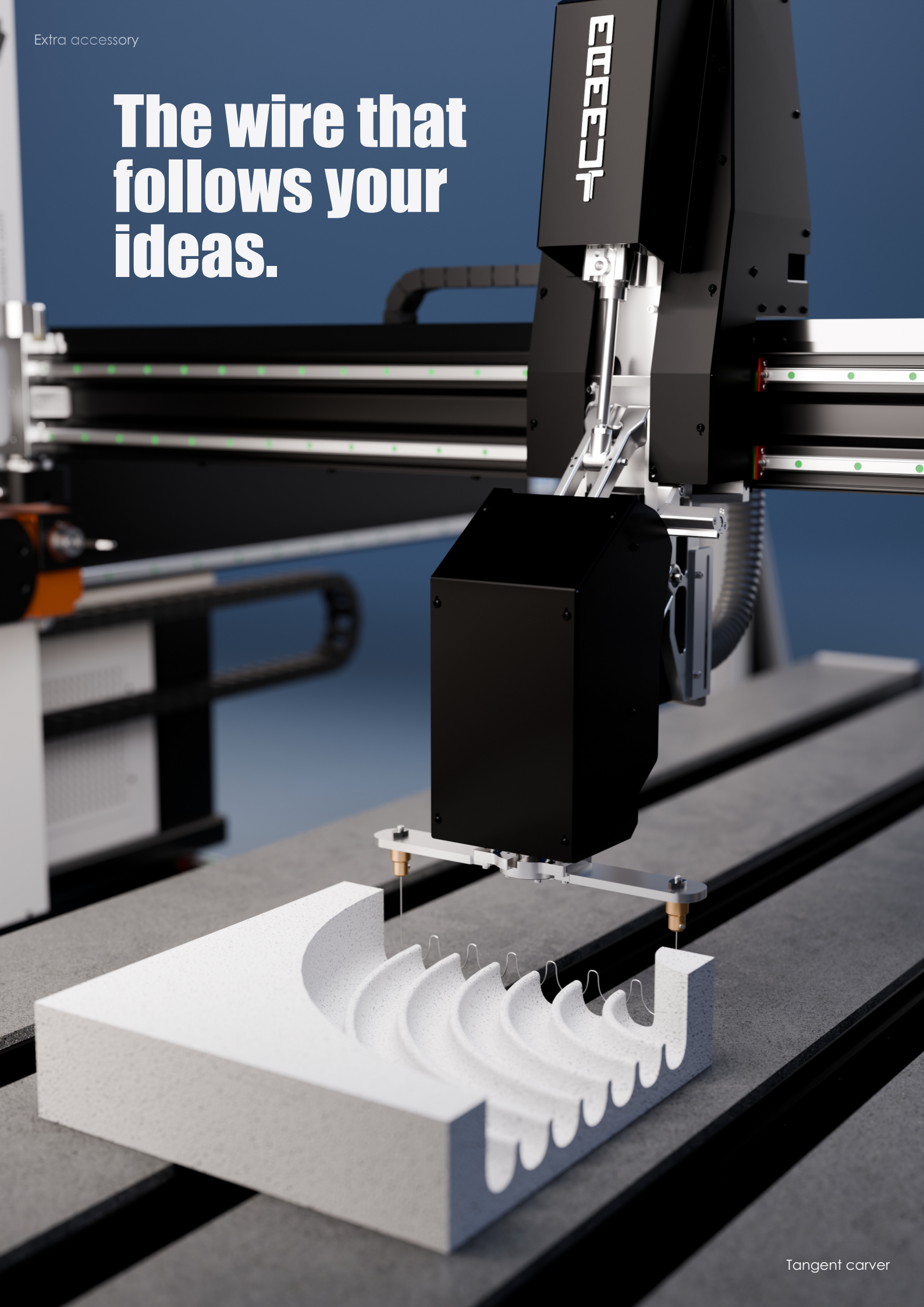
A dedicated panel lets you regulate wire temperature with pinpoint precision. A display shows values in real time, while quick on/off switches and intuitive adjustments make operation straightforward.



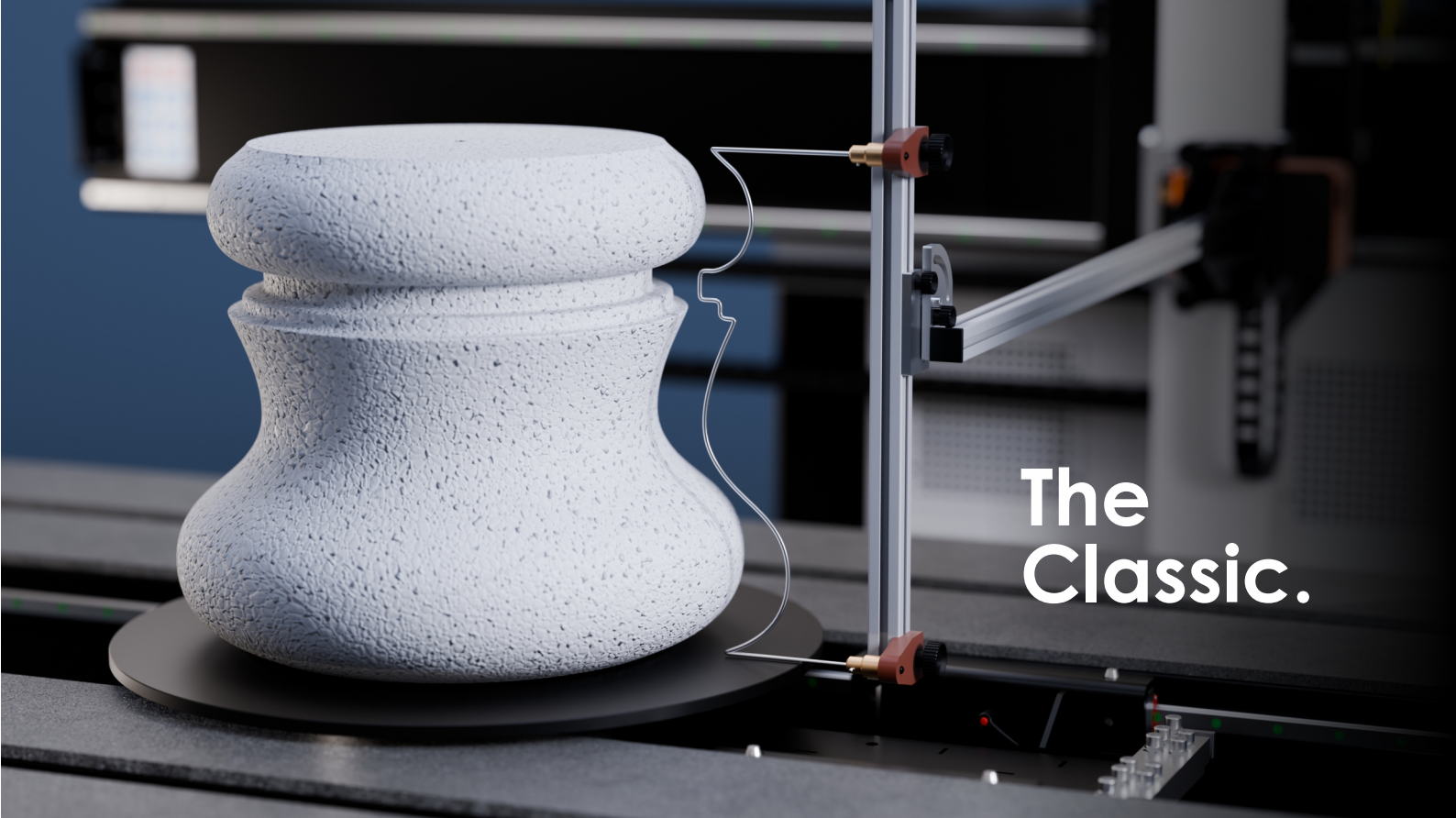
Max. wire number	20 wires $\varnothing$ 0,30 Ti	
Wire lenght	3100 mm	3500 mm with rotating table
Software	Management window	
Wire tensioning	Springs	
Wire absorption	Max. power 8 kW	
Wire temperature adj.	External potentiometer	

Extra accessory

The wire that follows your ideas.



Tangent carver



**The
Classic.**

The classic that never lets you down.

Tangent carver + CNC milling router

The tangential carver automates inner cuts and curved shapes, using a flexible wire that moves freely across multiple axes. No manual constraints, just smooth motion and consistent precision.

It installs in seconds by replacing the milling tool attachment. With it, the wire doesn't just cut—it draws entirely new shapes, impossible with traditional methods.

Classic carver + Lathes

The standard Carver uses a rigid wire, manually shaped by hand—perfect for sculptures, figures, and complex cavities.

Every detail is born from the operator's own skill and sensitivity. With the support of Nettuno Software, engravings are always uniform and precise: a tool that blends creative freedom with technical control.

Simple. Intuitive.

Specifically designed and developed in-house, Nettuno software is the extra edge that makes our company a leader in hot-wire cutting technology for polystyrene processing machines.

The result of years of experience and ongoing investment in research and development, Nettuno offers a one-of-a-kind interface in the industry, divided into two distinct applications: Nettuno Docker Cam and Nettuno Cutter.

All the necessary software is included with Mammut.



Nettuno docker cam.

An integrated CAD/CAM environment that streamlines toolpath creation for every type of machining, from 2D cutting to complex operations with simultaneous turning or independent axes.

With file import capabilities and real-time 3D visualization, you can preview the final result before execution, ensuring precision and operational safety.

Most common file imports.

DXF > DWG > EPS > AI > PDF > HPGL-PLT > WMF > SVG > STL

Nettuno cutter.

Nettuno Cutter is the interface that communicates directly and seamlessly with the machine. The workspace is divided into seven management areas, organized into intuitive windows, each dedicated to a specific function.

At the center, an interactive 3D simulation replicates the machine in real time, tracking its movements while simultaneously calculating the estimated completion time.

Before starting the process, a preview simulation allows you to check the position of the axes, ensuring full control and safety prior to execution.

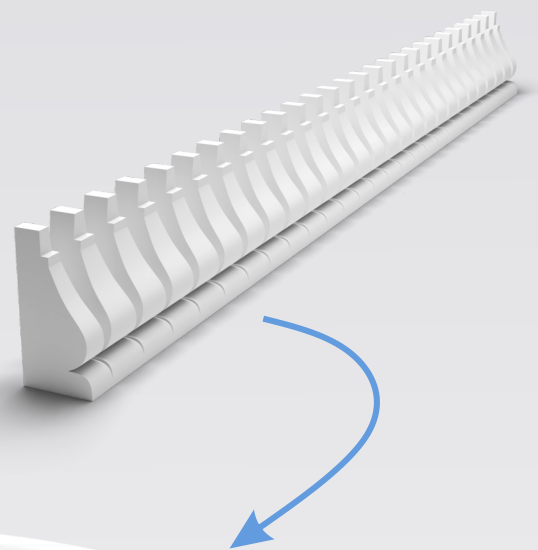


Wedges.

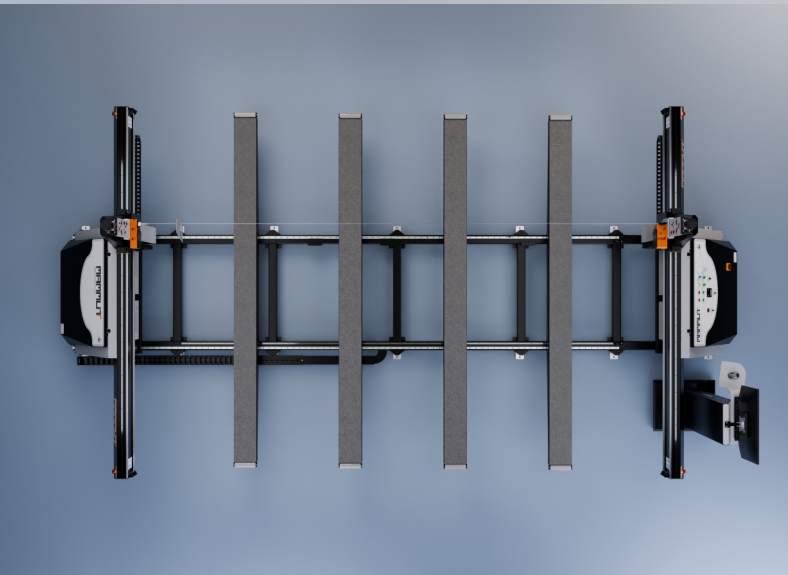
Design segment cuts.

The included Wedges application allows you to perform wedge cuts, arches, and curved frames with exceptional precision and speed.

By importing a DXF shape—such as a building floor plan—Wedges can automatically generate wedge cuts to create curves, arches, frames, ellipses, and even “S”-shaped forms.



Mammut

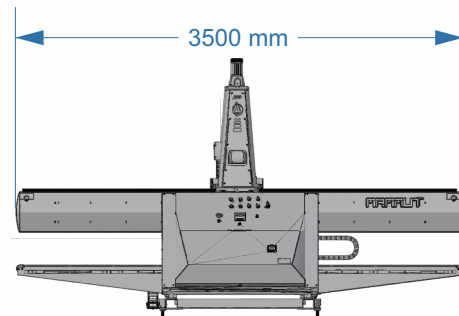
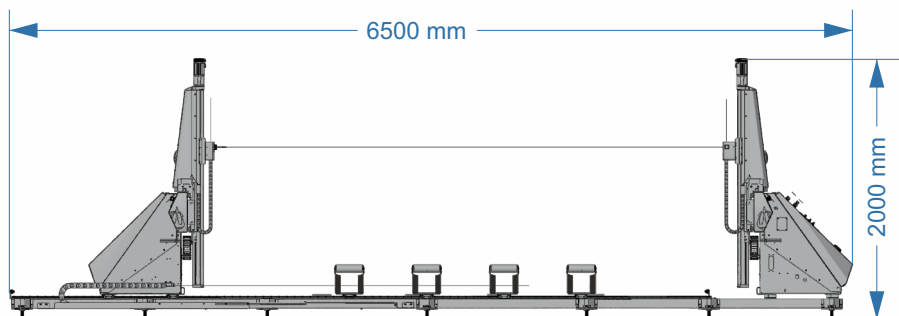


Cutting area: X 3020 | Y 1250 | Z 1300-4500 mm |
 Z min: 1300 mm with MW harp
Structure: Acciaio totalmente fresato a CNC
Max. axes speed: 25 m/min | 8 m/min with milling router
Movement accuracy: +/- 0.03 mm
Adjustable wire length: Automatic 1300-4500 mm
Cutting wire type: Titanium 0,25 - 0,50 mm
Power supply: 220/230V 50/60Hz
Single wire absorption: 2kW | + 8 kW with MW harp
Compressed air: 4 bar | 6 bar with milling router
Wire tensioning: Automatic
Wire temperature adjustment: Automatic by microprocessor
Motors: Brushless with absolute encoder
Axes number: 5 independent | + vertical turntable + horizontal lathe + MW harp + milling router
X axis transmission: Gear racks and ball bearing guides
Y axis transmission: Bearing screws and ball bearing guides
Table top: 4 Marble sliding table tops with pneumatic locking on guides
Weight: 1200 kg

Software:

CorelDraw license: Included
Nettuno Docker CAM license: Included
Nettuno Cutter license: Included
Wedges: Included
Warranty: 12 months

Overall dimensions:



Mammut.

You don't need to look any further.



The CNC that resets
the standard.

Your vision, powered by our systems.

Nettuno Sistemi S.r.l.

2ª Zona Industriale
89026 San Ferdinando (RC) Italy

+ 39 (0)966 716620

international@nettunosistemi.com

info@nettunosistemi.com

www.nettunosistemi.com



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