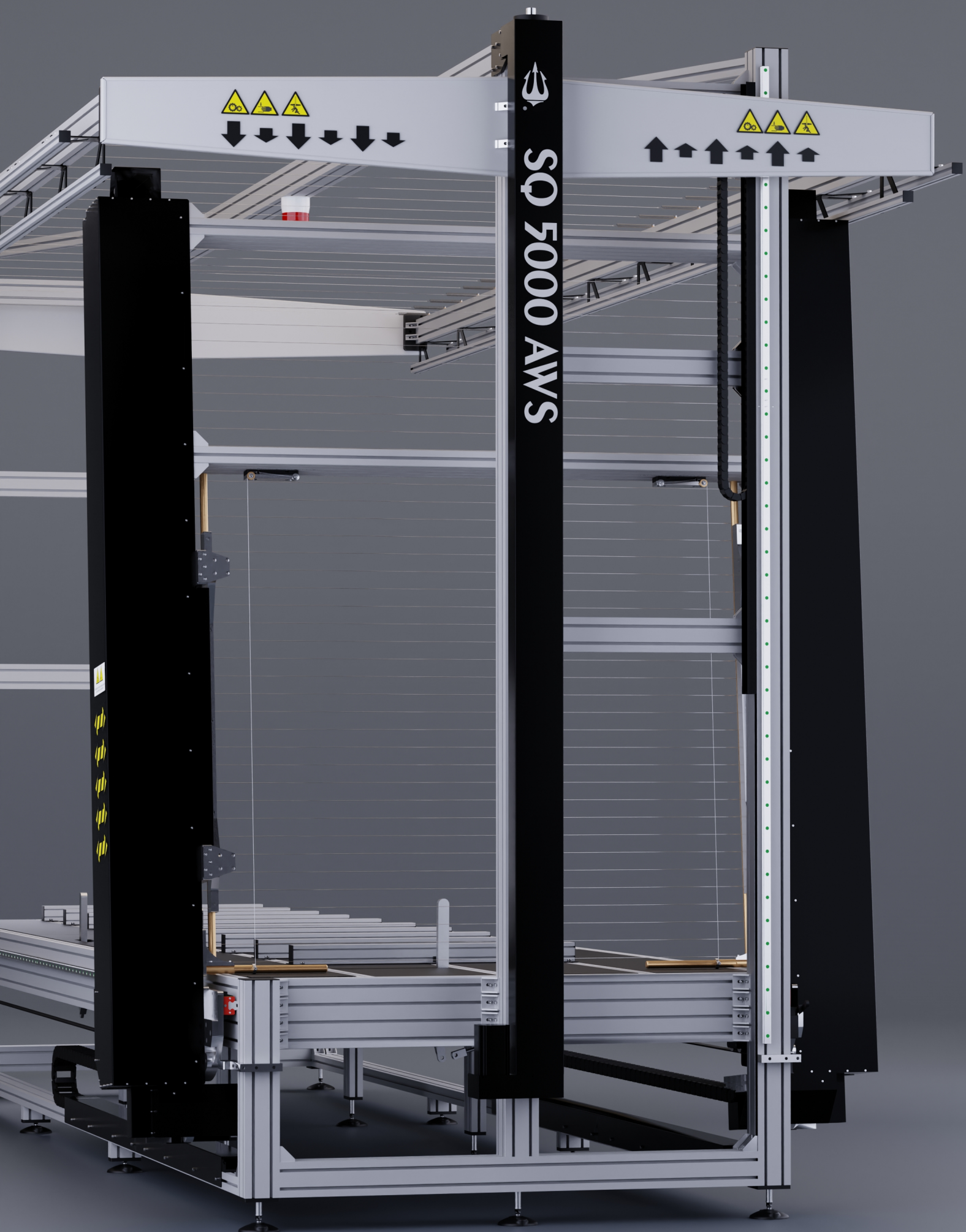


Squaring machine

SQ 5000 AWS



Go Nettuno, and your way of working will never be the same:
pure innovation, unmatched precision, breakthrough technology made to own every challenge.
Take control.



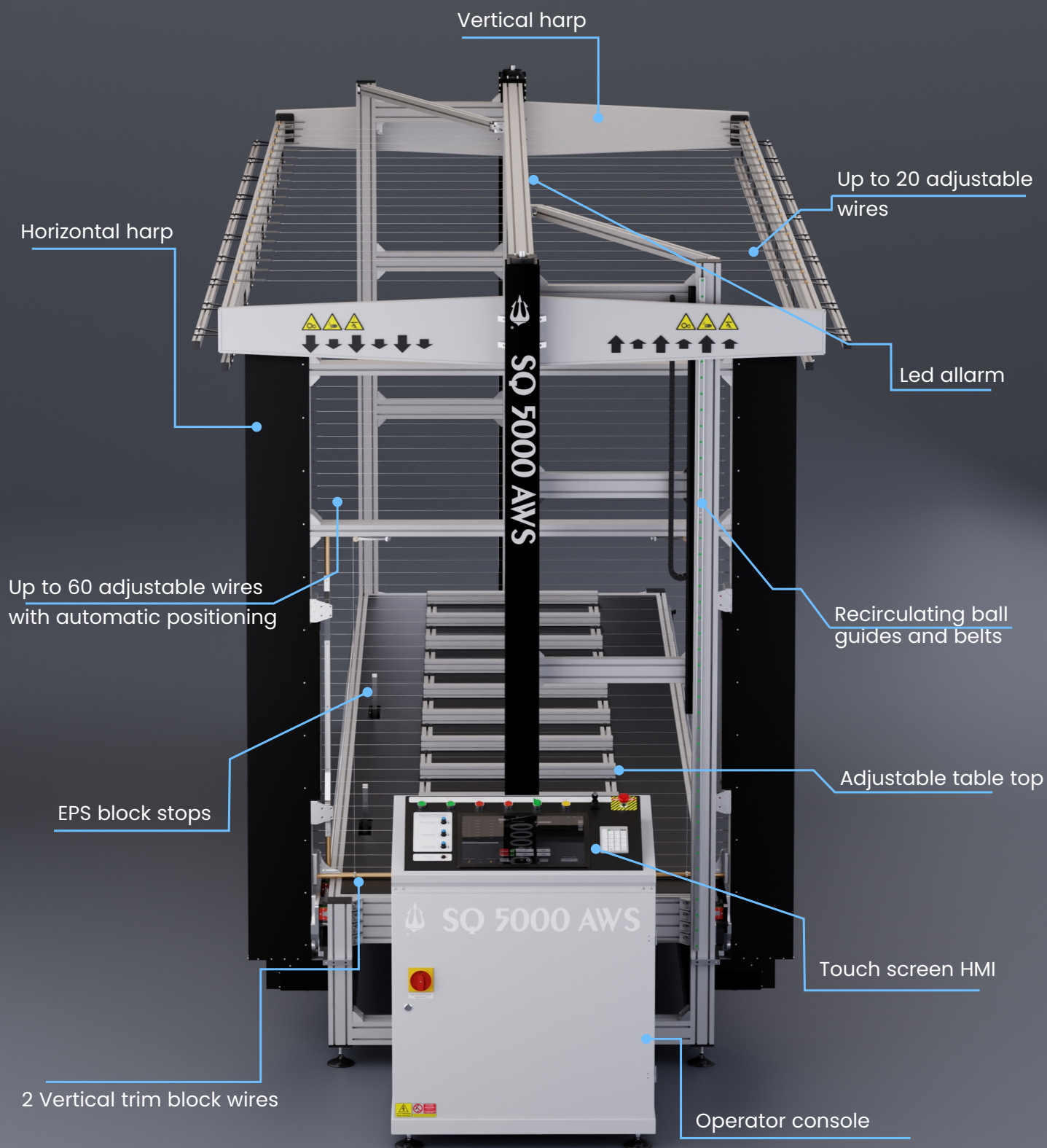
Perfect blocks.

The SQ 5000 AWS turns raw polystyrene into flawless blocks, ready for whatever comes next. It delivers pinpoint accuracy, high speed, and total reliability in one streamlined process—cutting waste and boosting productivity.

Built tough, easy to use, and virtually maintenance-free, it guarantees sharp edges and consistent dimensions across any block size.

A cutting machine designed to bring order, efficiency, and premium quality to every production cycle.

Attention to details.



For more detailed technical information, please refer to the complete technical data sheet on page 9.

Machine details.

Dual multi-wire harp.

For horizontal cutting, SQ can be equipped with up to 60 wires, adjustable to the millimeter and tiltable to prevent irregularities caused by material drop. For vertical cutting, the frame supports up to 20 wires.

Automatic positioning.

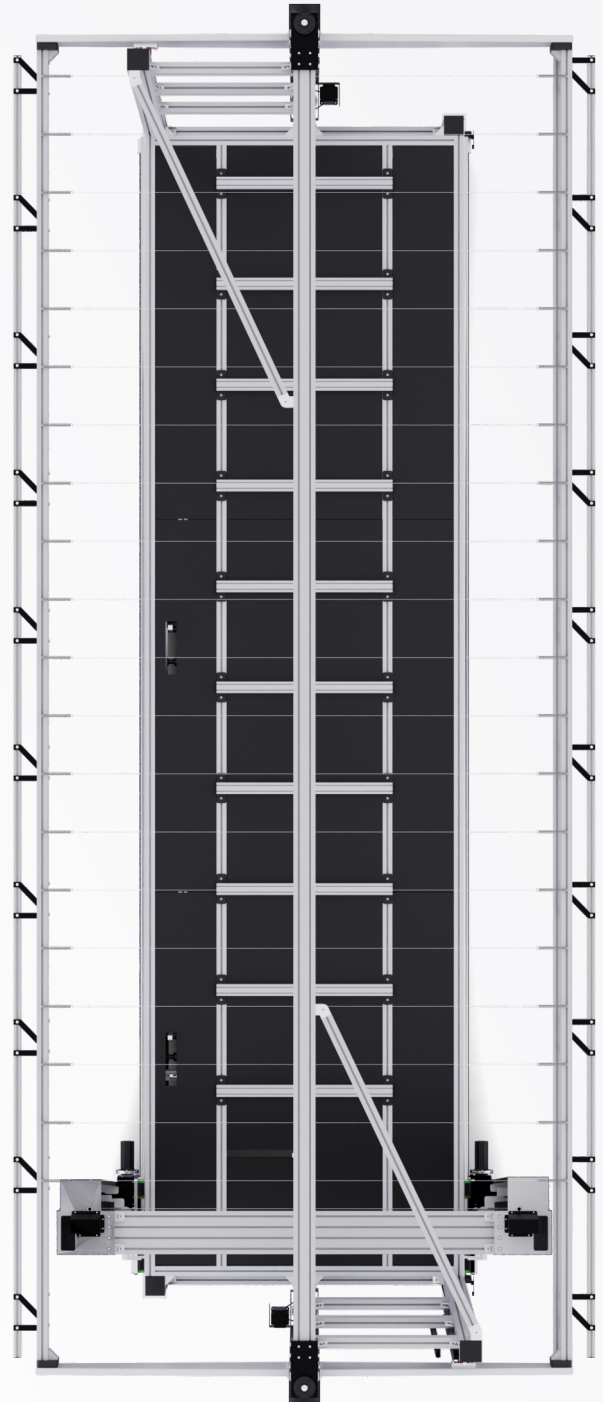
The horizontal wires are positioned quickly and with pinpoint accuracy, minimizing manual intervention. This streamlines setup times and ensures greater consistency in every cut.

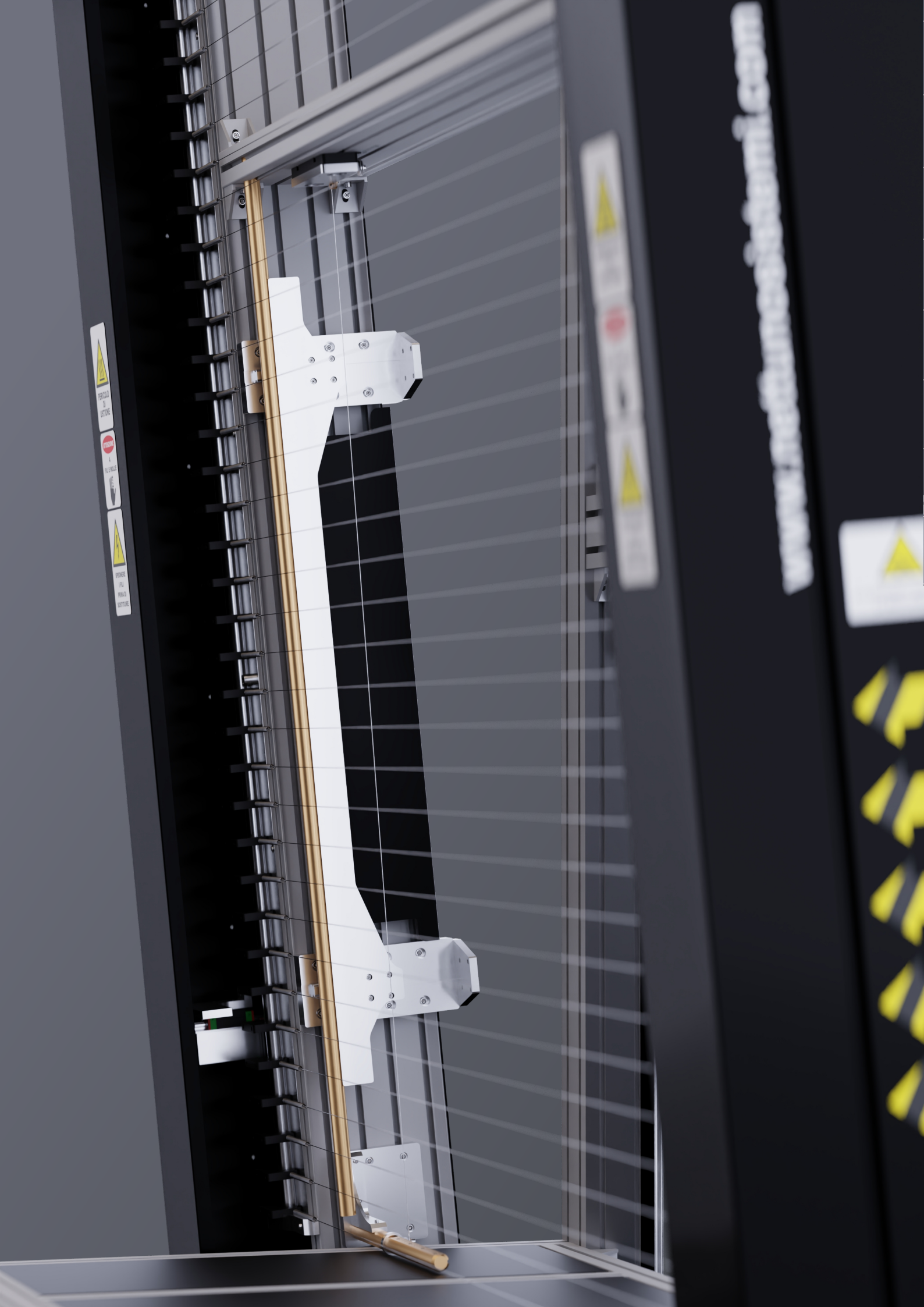
Workstation.

The control panel lets you operate the machine safely and precisely, with switches, an emergency stop, and knobs to adjust temperature and speed.

HMI touch screen.

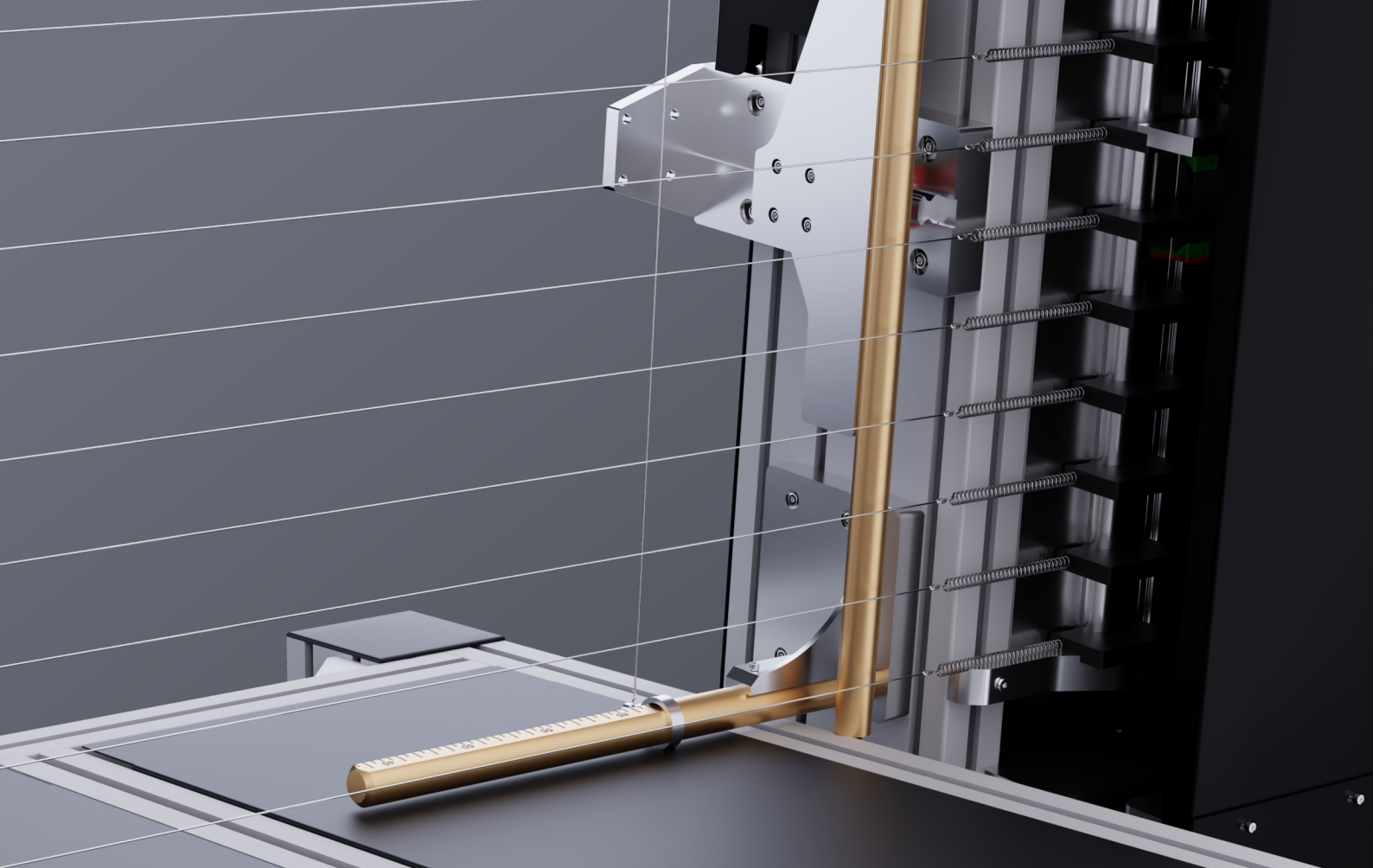
The touch screen handles advanced, customizable operations, letting you create programs for both vertical and horizontal movements. Material is securely clamped by air pistons, wires heat only during motion, and speed stays consistent with automatic acceleration.





www.huebner.com



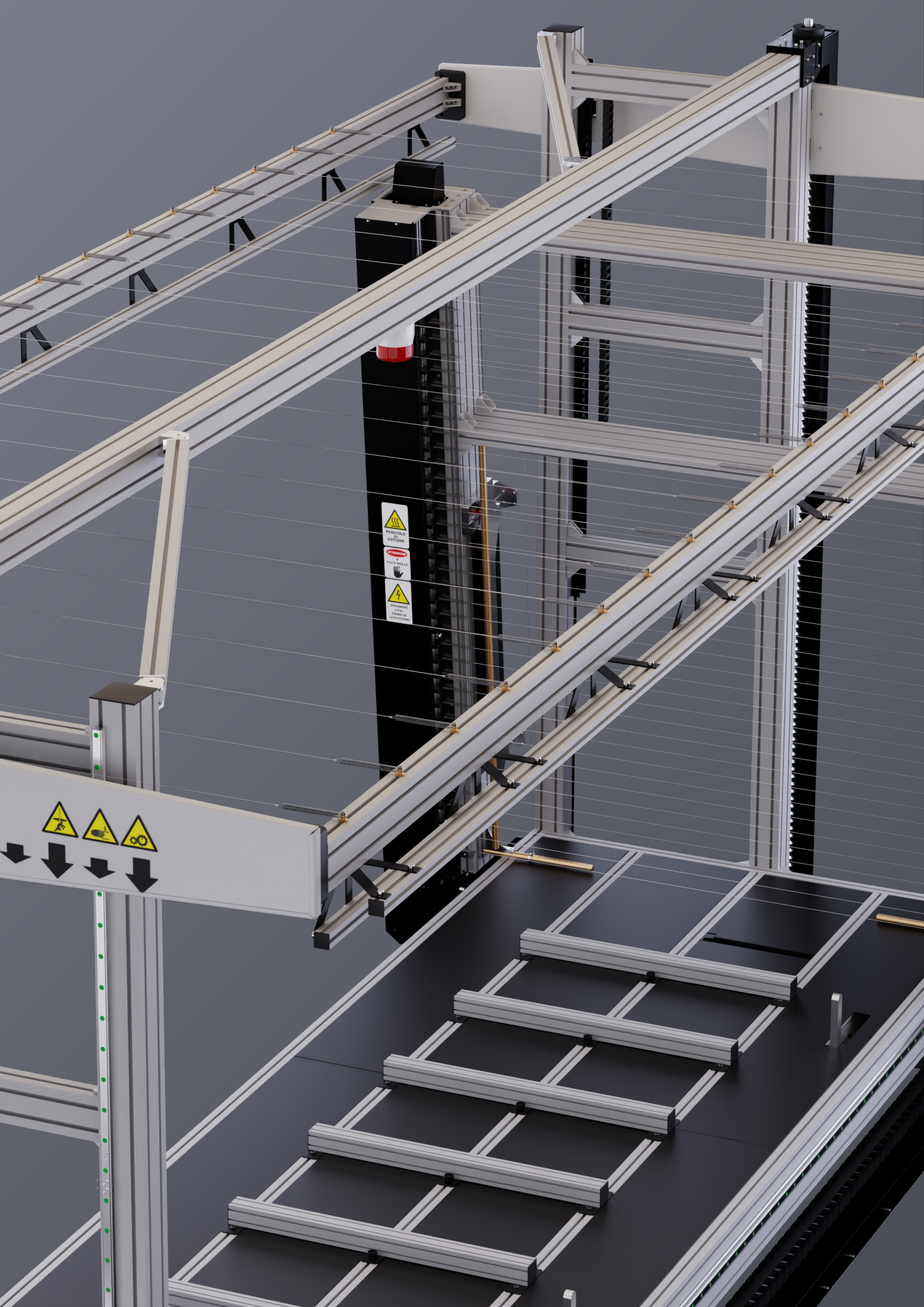


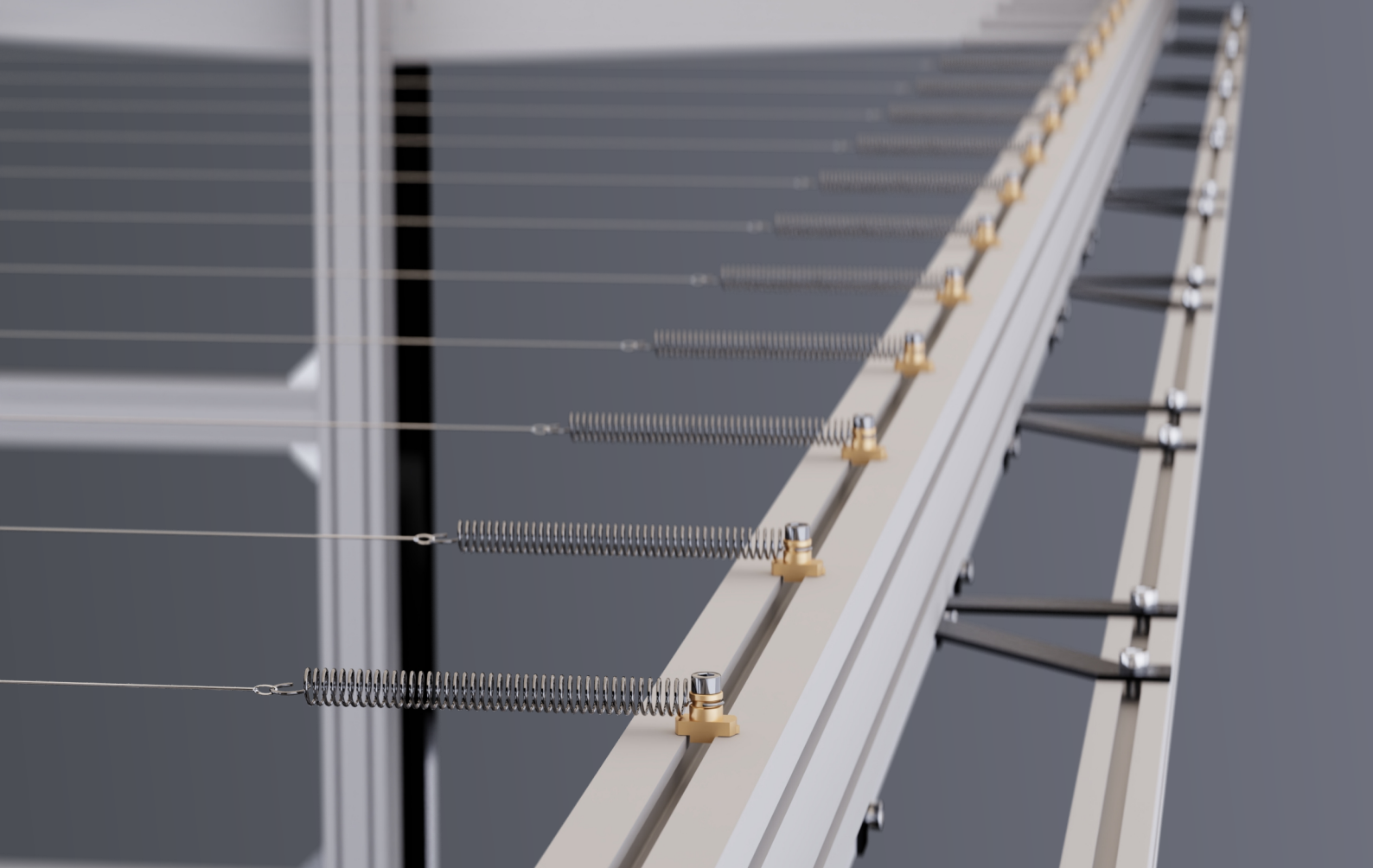
Horizontal harp.

The horizontal harp is designed to speed up and add flexibility to polystyrene block processing. With up to 60 wires, adjustable via automatic console-controlled positioning, it can slice blocks into parallel layers quickly and precisely.

Supporting this, two adjustable vertical wires allow simultaneous lateral cuts: as the block is sliced, the edges are trimmed in the same pass, eliminating extra steps and saving time.

Max. wires number	60 wires $\varnothing$ 0,30 Ti
Axis stroke	X 4200 mm
Wires length	1400 mm
Wires absorption	Max. power 10.85 kW
Wires temperature adj.	External potentiometer
Wires tensioning	By springs
Wires positioning	Automatic





Vertical harp.

The vertical harp features 20 manually adjustable wires, allowing blocks to be divided into multiple parallel sheets with maximum flexibility.

Manual adjustment gives full control, letting you position each wire exactly as needed for the job.

This setup is especially useful when you need to quickly adapt the sheet sizes without relying on automated systems.

Max. wires number	20 wires $\varnothing$ 0,30 Ti
Axis stroke	Y 1450 mm
Wires length	1800 mm
Wires absorption	Max. power 4,95 kW
Wires temperature adj.	External potentiometer
Wires tensioning	By springs
Wires positioning	Manual

Plug in. power on.

The control panel provides a complete interface to operate the polystyrene panel cutting machine safely and precisely.

It includes power switches and an emergency stop button for immediate shutdown, ensuring maximum safety.

Temperature and speed adjustments are simple and intuitive, thanks to dedicated knobs.



Simple. Intuitive.

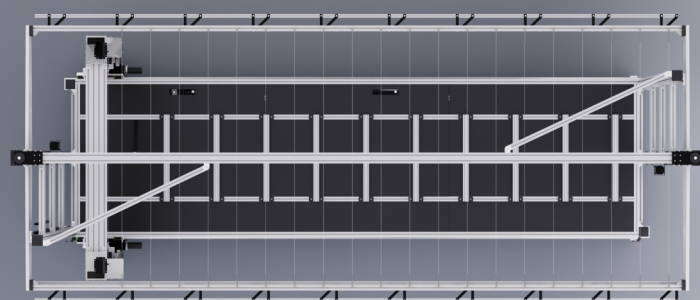
The touch screen lets you set cutting parameters, customize operations, and save sequences in just a few steps. Every function is designed to cut setup time, increase precision, and ensure consistent results.

With remote control capability, integrated diagnostics, and instant speed and temperature adjustments, the system is flexible and accessible—even for operators with less experience.

All necessary software is included.



SQ 5000 AWS



Overall dimensions: 5800 x 2410 x 3150 mm

Structure: Anodized aluminum profiles

Maximum axes speed: 25 m/min

Movement accuracy: +/- 0.05 mm

Type of cutting wire: 0,30 Titanium

Wire positioning: Automatic

Power supply: 220/230V 50/60Hz 12,5 kW

Wire tensioning: Springs

Wire temperature regulation: External potentiometer

Motors: Servo

Number of axes: 3

X-Y axes transmission: Recirculating ball bearing guides and toothed belts

Table top: Powder coated steel

Weight: 1120 kg

Operator console: With integrated touch screen HMI

Differences in the SQ 4200 HV version:

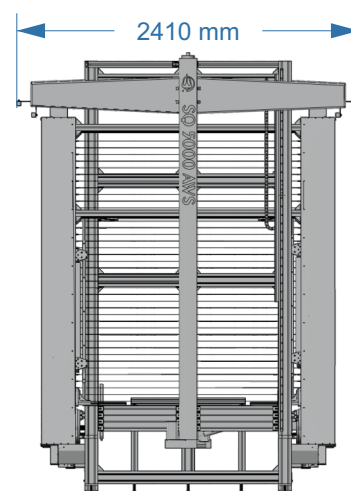
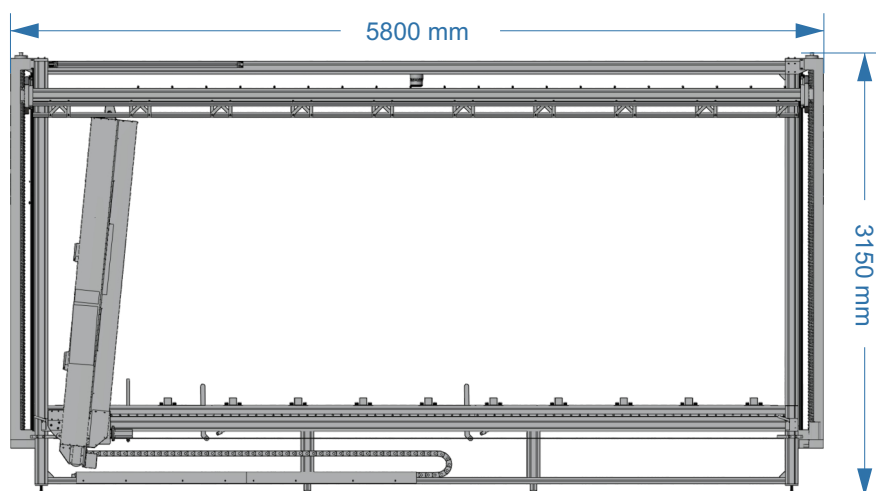
Overall dimensions: 4800 x 2410 x 3150 mm

Wire positioning: Manual

Number of axes: 2

Weight: 1000 kg

Overall dimensions:



Your vision, powered by our systems.

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Technical specifications may vary depending on the selected product. Images are for illustrative purposes only. For commercial information or to choose the solution best suited to your needs, please contact Nettuno Sistemi.

