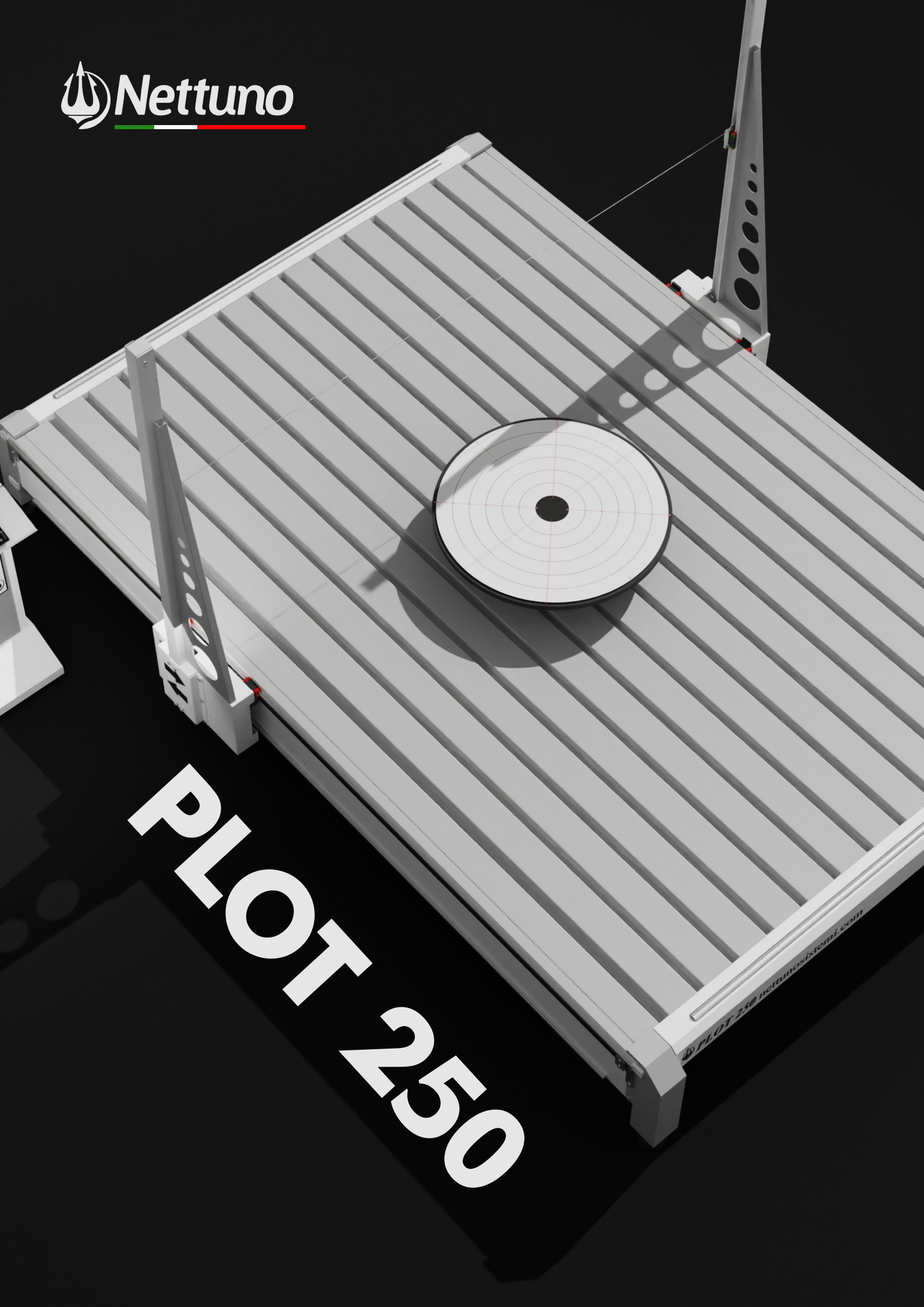




PLOT 250

PLOT 250 nettunosistemi.com

# Plot 250

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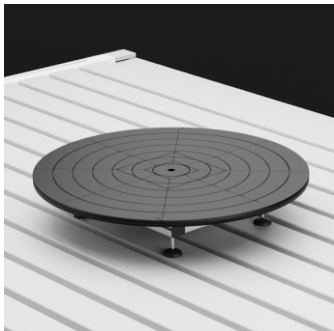
The Hot Wire Cutting Machine That Combines Reliability, Precision, Ease of Use, Versatility, and Productivity. Built entirely of powder-coated steel, its solid structure guarantees years of reliable performance. The X-Y and X1-Y1 axes, equipped with recirculating ball bearing guides, ensure smooth and precise movements for impeccable results. Two sturdy rollers facilitate the loading of polystyrene blocks, optimizing working times. Ideal for a wide range of projects, Plot 250 also adapts perfectly to complex and large-scale processing, making it the ideal choice for companies seeking a versatile and affordable hot wire cutting machine.

Plot 250 is the perfect CNC hot-wire foam cutting machine for those who need to work on small and medium-sized productions, while also being able to handle large commissions without incurring significant expenses.

Decorative elements, cornices, columns and capitals, letters, sculptures, logos, signs, decorations, set designs, shop window displays, scenography, packaging, and shapes of all kinds can be made.

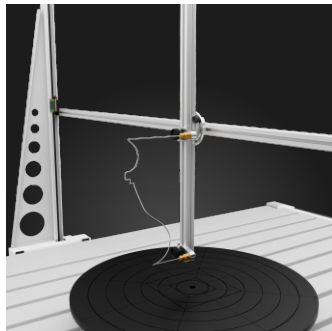


# Optional



## Vertical Turntable

Create stunning three-dimensional shapes with our vertical lathe, turning polystyrene into works of art.



## Shapeable wire

The shapeable wire / carver for grooves on shaped forms, perfect for crafting unique details.



## Dell monitor & PC

Get the most out of Plot 250 by completing the work station with the Dell PC & monitor.

# Tools included

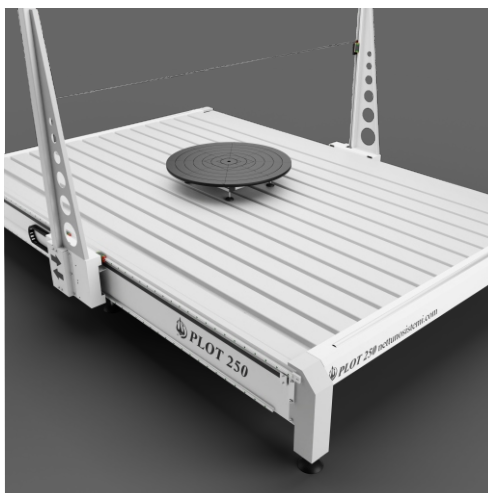


## Operator console



## Wireless keypad

# Details



## NETTUNO DOCKER CAM

Nettuno Docker Cam is a mobile tab attached to CorelDraw. The company's choice to create an application that interacts with one of the best CAD around was carefully valued then approved. A single interface arranges a CAD/CAM environment. This choice saves time to the operator, who can avoid the saving or the export in many types of extensions which, eventually, should be opened in another program.

It is now possible to create: tool paths with direct program exportation, complex shapes, any single type of texts and fonts and graphic compositions with measurement quotas.

Therefore, the "fusion" between CorelDraw, which contains the drawing tools, and Nettuno Docker Cam, with its specific hot wire cutting countless functions, turned out to be the fastest, simplest and the most practical solution.

This system simplifies significantly the design of projects meanwhile it continues showing an easy and clean to use interface, allowing the operator to work undisturbed without having to think about different types of interfaces that the operator, otherwise, should have used.

Nettuno Docker is a CAM software designed to create paths on every single kind of hot wire cutting, ranging from the easiest cuttings in 2D to the most complex simultaneous turning and independent axes procedures. Nettuno's CAM software shows a 3D preview of the final result: it's essential because it allows to evaluate in advance the result before the eventual cut. The preview becomes essential, especially in the turning operations.

With the usage of a conventional software, the final result can often be a question mark. The operator can waste precious time and materials without a simulation of the piece. Thanks to our preview simulation this kind of problems can't happen.

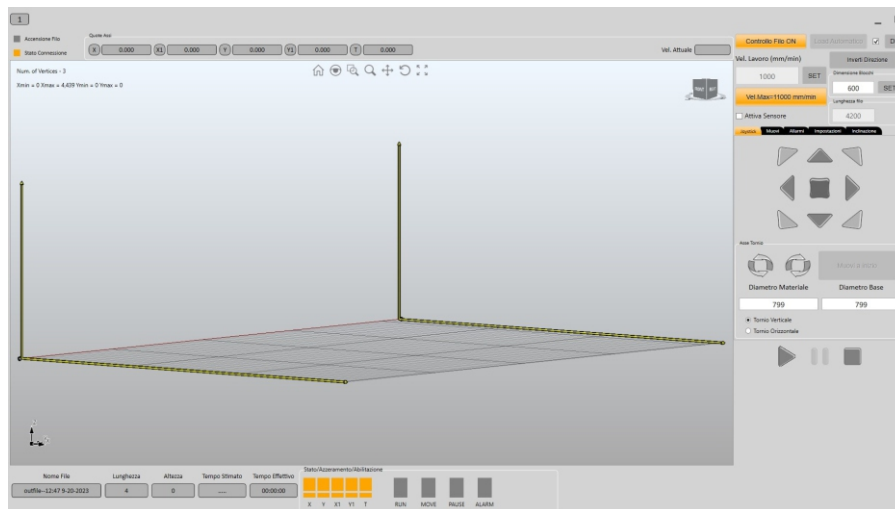
**Common file formats can be imported, including:**

**DXF - DWG - EPS - AI - PDF - HPGL - PLT - SVG - STL**



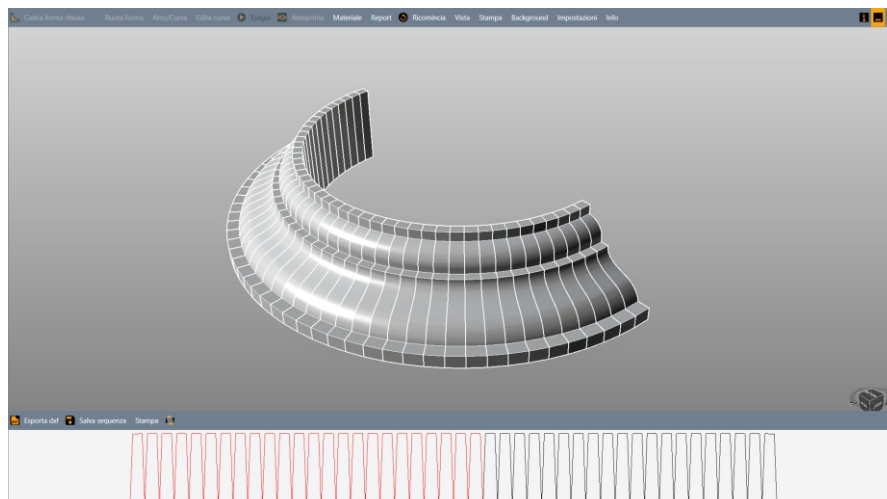
## NETTUNO CUTTER

Nettuno Cutter communicates directly with the machine. It features an engaging and customizable interface. The Nettuno software provides various management fields, each dedicated to specific functions that can be selected from different windows, ensuring a simple and comprehensive organization. The main window displays a 3D simulation of the machine in use, tracking real-time movements and allowing you to preview the axis positions before sending instructions to the machine.



## WEDGES

The Wedges software, developed by Nettuno, allows for precise cutting of slices and curves. By importing a DXF shape, such as a building plan, Wedges enables the automatic creation of curves, ellipses, and even 'S' shapes through slice cutting.



| HARDWARE                    |                                                     |                      |
|-----------------------------|-----------------------------------------------------|----------------------|
| Overall dimensions          | 3200 x 2400 x 1900 mm                               |                      |
| Cutting area                | X 2500 mm   Y 1250 mm   Z 2000 mm                   |                      |
| Structure                   | Powder coated steel                                 |                      |
| Maximum axes speed          | 13 m/min                                            |                      |
| Wire length                 | 2000 mm                                             |                      |
| Accuracy                    | +/- 0.05 mm                                         |                      |
| Cutting wire diameter Ø     | 0,25 - 0,50 mm                                      |                      |
| Type of cutting wire        | Titanium                                            |                      |
| Power supply                | 220/230V 50/60Hz                                    |                      |
| Single wire absorption      | 1 kW                                                |                      |
| Wire tensioning             | By springs                                          |                      |
| Wire temperature regulation | External potentiometer                              |                      |
| Motors                      | Stepper                                             |                      |
| No. axes                    | 4 Independent                                       | + vertical turntable |
| X axis transmission         | Recirculating ball bearing guides and toothed belts |                      |
| Y axis transmission         | Recirculating ball bearing guides and toothed belts |                      |
| Table top                   | Powder coated steel                                 |                      |
| Weight                      | 400 kg                                              |                      |

| Accessories & options         |          |  |
|-------------------------------|----------|--|
| Operator console              | Included |  |
| Wireless handheld keypad      | Included |  |
| Sliding rollers for EPS block | Included |  |
| Dell PC and monitor           | Optional |  |
| Shapeable wire                | Optional |  |
| Vertical turntable            | Optional |  |

## SOFTWARE - Nettuno Docker CAM

|                                                                                        |                                  |
|----------------------------------------------------------------------------------------|----------------------------------|
| Set starting point for 2 axes function + simulation                                    | Included                         |
| Nesting function machining + simulation                                                | Included                         |
| 4 Independent axes function + 3D preview + simulation                                  | Included                         |
| Nesting function for independent axes                                                  | Beta                             |
| Shape builder                                                                          | Included                         |
| Shape catalogue                                                                        | Included                         |
| Choose starting point function                                                         | Included                         |
| Manual traits association for independent axes                                         | Included                         |
| Choice of side/drawing                                                                 | Included                         |
| Lathe machining with adaptive rotation based on diameter                               | Included with vertical turntable |
| Torsional lathe (also on three sides) + 3D preview + simulation                        | Included with vertical turntable |
| Circular text or logo                                                                  | Included with vertical turntable |
| 3D Lathe:                                                                              | Included with vertical turntable |
| Improved resolution of silhouettes                                                     | Included with vertical turntable |
| Direct STL scaling                                                                     | Included with vertical turntable |
| Offset input                                                                           | Included with vertical turntable |
| Export processed file in STL                                                           | Included with vertical turntable |
| WEDGES:                                                                                | Included                         |
| Development of curved cuts through the matching between profile and curve path         | Included                         |
| 3D simulation with realistic shape modeling                                            | Included                         |
| Automatic sectioning of the file along the surface of the shape to be cut              | Included                         |
| Saving the sections to be cut with the possibility of re-executing the cut at any time | Included                         |

## SOFTWARE - Nettuno Cutter

|                                                                       |                                  |
|-----------------------------------------------------------------------|----------------------------------|
| 3D cutting area display                                               | Included                         |
| Piece size display                                                    | Included                         |
| Real-time axes movement display on 3D preview                         | Included                         |
| Axes movement via physical joystick and virtual joystick              | Included                         |
| Toolpath 3D simulation for 2 axes                                     | Included                         |
| Toolpath 3D simulation for independent axes                           | Included                         |
| Toolpath simulation for lathe machining                               | Included with vertical turntable |
| Automatic wire positioning for turnings / lathe machining             | Included with vertical turntable |
| Possibility to move in position from absolute and relative coordinate | Included                         |
| Saving axes position                                                  | Included                         |
| Possibility to set a time pause in the corners during processing      | Included                         |
| Control of wire integrity by microprocessor                           | Included                         |
| Data manager                                                          | Included with Industry 4.0       |



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The technical features may change depending on the product chosen by the customer. Pictures are purely demonstrative and indicative. For a better identification and for business information, please contact NETTUNO SISTEMI at the following email address: [commerciale@nettunosistemi.com](mailto:commerciale@nettunosistemi.com)