

# CNC FOAM CUTTING MACHINES

PROUDLY  
MADE IN POLAND  
SINCE 1997

MEGAPLOT

Our hot wire EPS and XPS hot wire foam cutting machines, XTR PRO fast wire cutters as well as 3D CNC Phidias routers are known not only for their reliability and innovation but also their ease of use - all this thanks for the fact we design and built our equipment from scratch, including all mechanical components, electronics design and manufacturing, as well as software coding.

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## WOOLMASTER FASTWIRE CUTTERS

For sheet and contour cutting of stone & glass mineral wool (flat roof panels, pipe insulations, chimney insulations). Available in two sizes, allowing full boards of mineral wool.

## XTR PRO FASTWIRE CUTTERS

For contour and sheet cutting of all types of flexible and rigid foams (PU & ISO foams, stone & glass mineral wools, foam glass, phenolic foams). Available in multiple sizes with working areas up to 3000x3000 mm.

## TWISTER PRO HOTWIRE CUTTERS

For contour and sheet cutting of EPS & XPS foams. Available in multiple sizes and configurations. Perfect for sloped roof cutting, architectural details, signage, packaging, insulation, molds for concrete, prototyping

## PHIDIAS 3D CNC ROUTERS

Professional CNC routers with very attractive value for money. Heavy-duty industrial design and high end specs make it perfect for wood, plywood, PVC, plexiglass, dibond, eps, xps, aluminum, brass, copper etc.

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The WoolMaster abrasive wire cutter is the ultimate CNC stone and glass wool cutting machine. Regardless of whether the job is to slice a wool plate into thinner sheets or whether you need to contour cut pipe sections, chimney insulations or sloped roof panels, the WoolMaster is the ultimate solution with a very high price-quality ratio.



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## STANDARD CONFIGURATIONS:

### WoolMaster 1221 2D

- | cutting width of 1200 mm
- | automated conveyor belts
- | will handle wool sheets up to 1200x2100x300 mm (WxLxH)

### WoolMaster 1717 3D

- | cutting width of 1700 mm
- | automated turntable
- | will handle wool sheets up to 1200x1200x300 mm (WxLxH)

## UPGRADES

- | up to 10% wire inclination
- | industrial fanless Windows 10 touch PC with a metal keyboard
- | optional enclosure (safety and dust)
- | dust vacuum system



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Our horizontal XTR PRO fast wire cutters are computer-controlled machines, which come with our own advanced electronic controllers based on ARM architecture; they connect to the PC via USB and are then controlled with our proprietary FastWire application for Windows OS.

The cutting files (drawings) can be prepared in any graphics software capable of export to one of the formats supported by our software, e.g. CorelDraw, AutoCad or Adobe Illustrator. Once the drawing is opened in our software all you have to do is set cutting parameters (such as cutting speed and wire rpm) and click Cut.

Most simple cuts and trimming operations can also be performed with the use of the included wired handheld/remote, so very often there is no need to prepare any drawings whatsoever.

During the cut the endless fast wire is sped up to 280 km/h - a wide selection of cutting wires is available to ensure consistent high-quality cuts in a variety of different materials.



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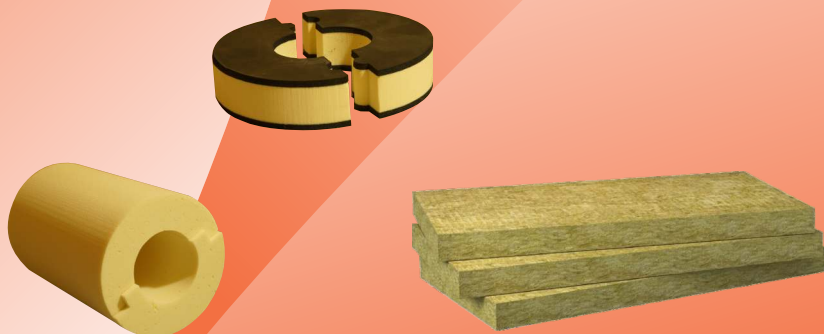
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## HIGHLIGHTS:

- | fully automatic contour and sheet cutting
- | excellent value for money, high-end specs
- | can handle full size blocks - a variety of working areas from  
1200x2000 mm up to 3000x3000 mm
- | wide selection of cutting wires
- | intuitive and easy to learn FastCutter control application

## THE XTR PRO SERIES IS IDEAL FOR:

- | stone & glass mineral wools:
    - | flat roof panels
    - | pipe insulations
    - | chimney insulations
  - | flexible & rigid PU & ISO foams
  - | foam glass
  - | phenolic foams
- and a wide variety of other flexible and rigid materials



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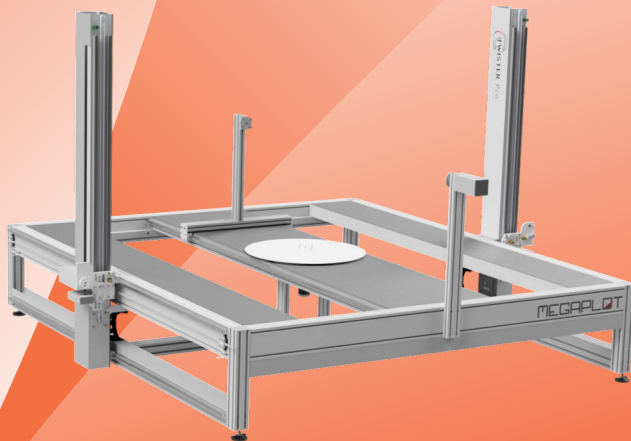
Whether you need a small lab cutter or a large EPS cutting line, we have a machine to suit your needs.

Regardless of size and features, all MegaPlot hot wire CNC EPS and XPS cutting machines come with:

- | easy to use yet powerful iXshaper software (with unlimited free updates)
- | modern ARM-based electronic controllers with USB support
- | complete 5-YEAR WARRANTY (EXW, ex-works)
- | our famous warranty- and post-warranty TECH SUPPORT

#### HIGHLIGHTS:

- | new 2020 series with a beautiful all new design
- | built-in industrial Windows 10 touch PC
- | unique independent axis control feature
- | multiple 3D options - turntables, lathes, shape wire bar
- | European quality with CE certification
- | backed by Megaplot's 24+ years of manufacturing experience



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## IXSHAPER SOFTWARE

- | unlimited free updates for all MegaPlot customers
- | extreme ease of use yet lots of powerful features
- | will work on any Windows PC with USB, including Windows 10
- | available in 11 different languages
- | complex 3D cuts made simple (based on your existing 3D models)
- | built-in support for HPGL.plt (e.g. CorelDraw), dxf (e.g. AutoCad), RAW 3D (e.g. Rhinoceros 3D), EPS/AI (e.g. AdobeIllustrator), dxf 3D (e.g. AutoCad)
- | multiple objects auto-linking & on-screen cutting simulation
- | built-in sample drawings for each type of cut
- | easy-to-use shape duplication feature
- | auto-stop and continuation for a broken wire replacement



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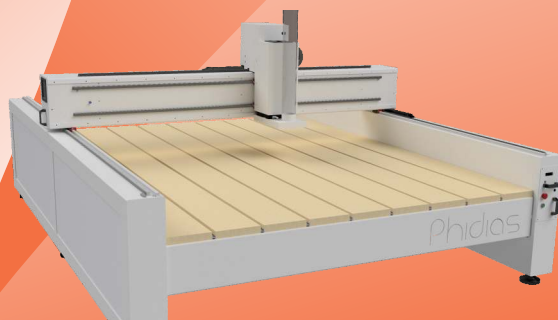
Our 2020 Phidias routers are professional 3D CNC machines with an extremely attractive price-to-feature ratio. Megaplot's 24 years of experience in machinery design, manufacturing and servicing allowed us to create a robust, fast and modern series of routers meeting the expectations of today's market.

The completely new steel frame not only provides a robust and durable machine table resulting in high-quality items, but is also modular and can be easily transported and installed in hard-to-reach areas (a 90 cm wide door opening is sufficient even for the larger 2050x3050 mm model).

We've decided to equip these routers with - among others - servo drivers, helical cog gears and profiled linear rails of well-known and respected manufacturers to enable the max. transit speeds of up to 30.000 mm/min. while maintaining very high quality of the finished product.

The control system consists of our well-known and appreciated MegaCut and MegaCut 3D set of applications - the ease of use and low learning curve will get you up and running on day 1.

As always, both MegaCut applications come with unlimited, free updates for all MegaPlot customers.



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## HIGHLIGHTS:

- Heavy-duty, beautiful industrial design
- high-end specs at great price
- modular design for convenient freight and assembly
- working areas of 1570x2070 mm, 2070x3070 mm and 2070x4070 mm
- Z-axis (up-down) of 200 mm
- servo motors, helical gears, hi-win linear guides, etc.
- up to 30 meters/minute transit speed
- advanced and intuitive MegaCut & MegaCut 3D software

## PHIDIAS 3D CNC ROUTERS ARE IDEAL FOR:

- wood
- plywood
- PVC
- plexiglass (PMMA)
- dibond
- XPS
- aluminum, brass, copper and other similar materials



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