

# Construction Cutter & Router

Top selling computerized systems for cutting:

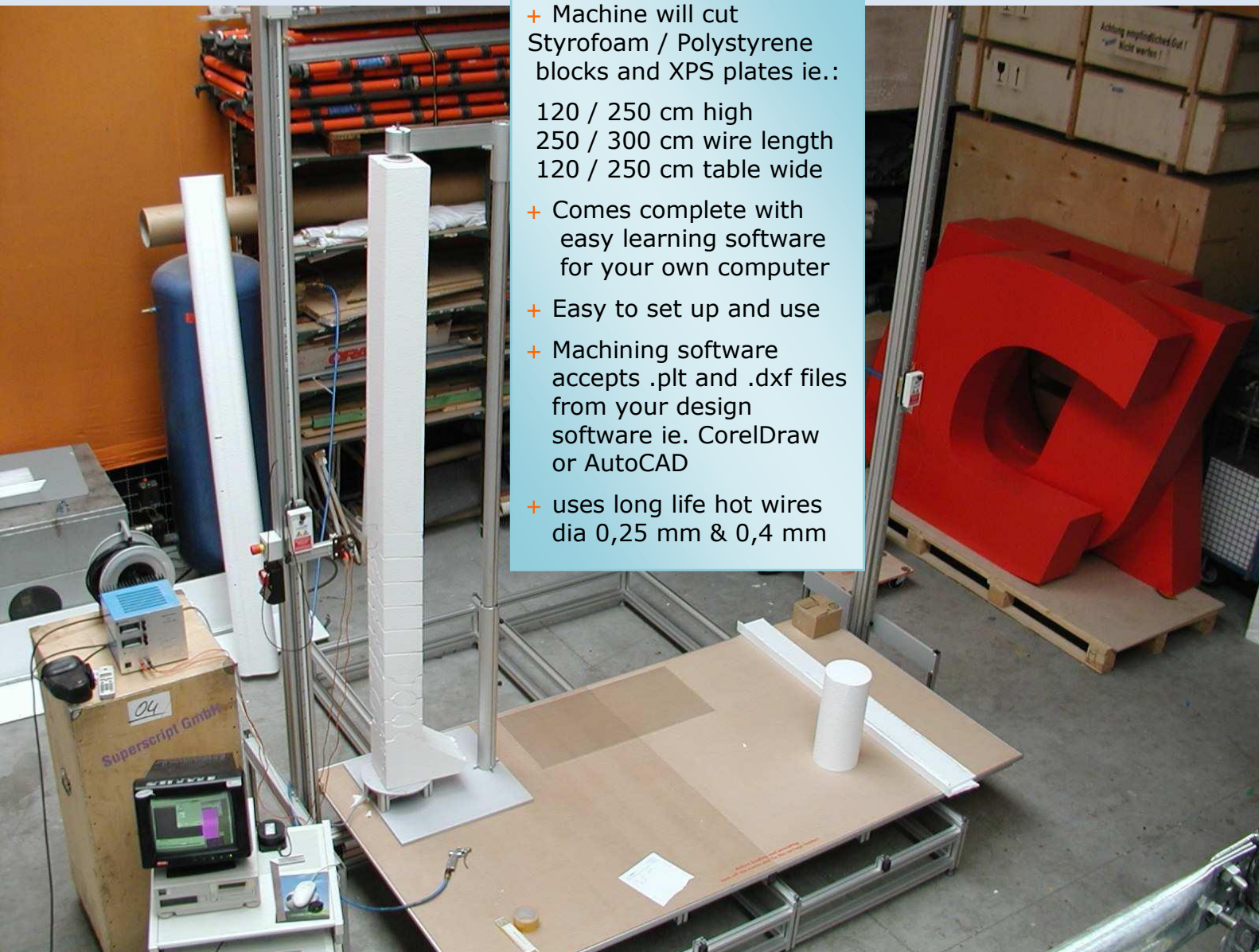
- Exterior Finish & Insulation Systems
- Mouldings
- Cast Moulds
- Signage's & 3D Letters
- Shop & Theme Props

**Custom Made Machinery**

+ Machine will cut Styrofoam / Polystyrene blocks and XPS plates ie.:

120 / 250 cm high  
250 / 300 cm wire length  
120 / 250 cm table wide

- + Comes complete with easy learning software for your own computer
- + Easy to set up and use
- + Machining software accepts .plt and .dxf files from your design software ie. CorelDraw or AutoCAD
- + uses long life hot wires dia 0,25 mm & 0,4 mm



**What our clients are cutting & milling...**

Full 2 Year Warranty  
Quality German Engineering

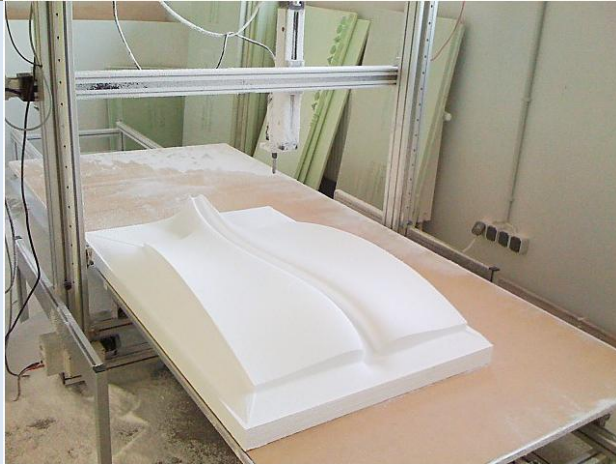
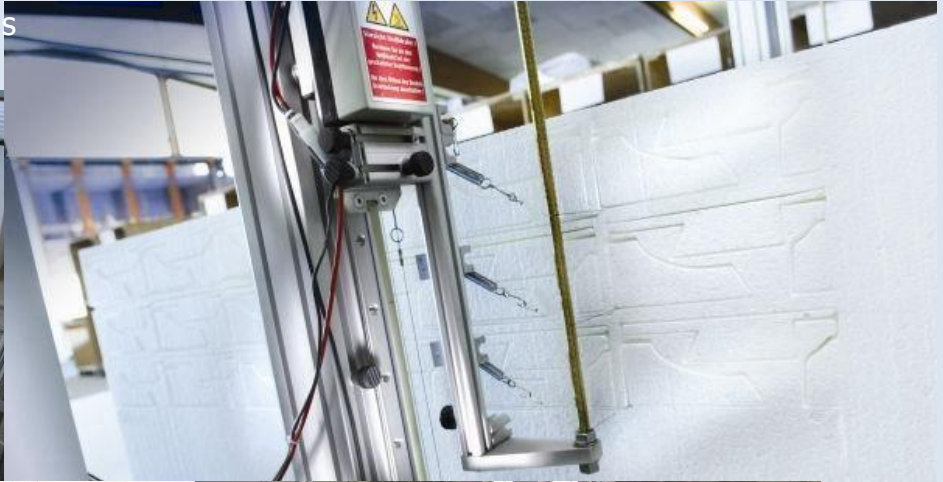




# How to Enhance your System about Recourses and Capabilities

**Turn Table** with bended Flat Wire lets you cut Blusters, Columns, Carvings and more.

**Multi Wire Harp** with 1 – 14 wires will increase your product output in one cut-job by the number of wires.



**Router Axels** enhance your cutter for milling any design requirements. No need of a second machine.

peeling at **Turn Table**

## What our clients are cutting & milling...

Exterior Mouldings

Balusters & Arches

Theme Props

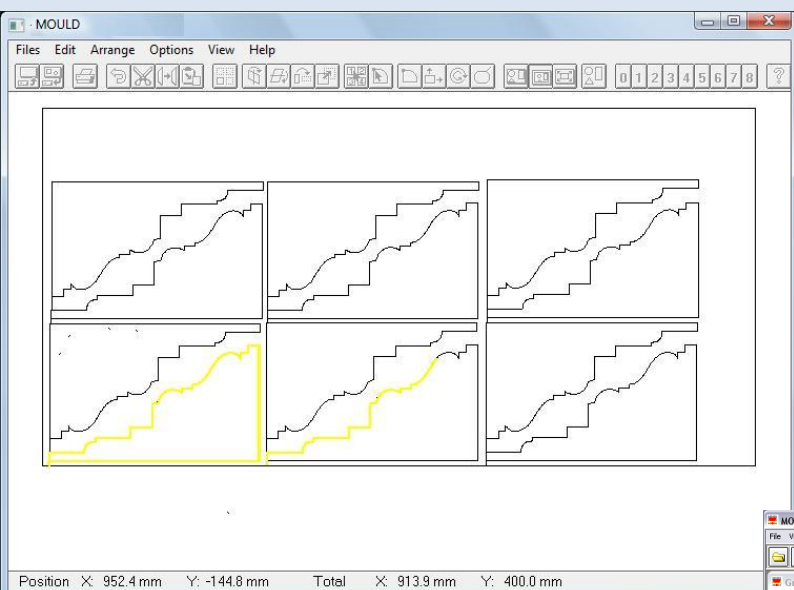


# How to Use the Software to Cut Interior or Exterior Mouldings

Draw the outline of the objects in your own design software i.e. AutoCAD, Inventor, CorelDraw or other. We deliver (1) CutPreperator and (2) Machining Software – easy to install (each 6 clicks, 4 min) using the automated windows installer.



## (1) CutPreperator

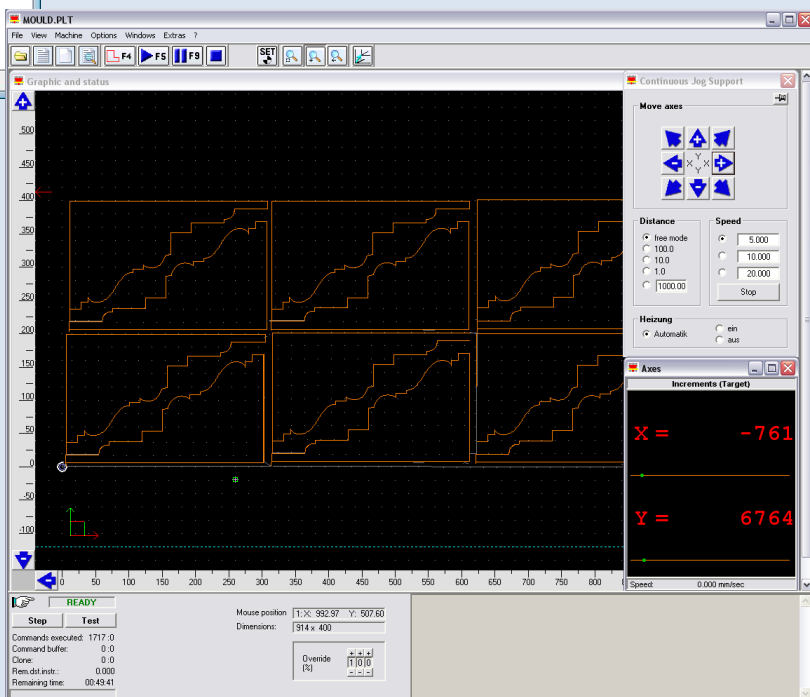


- open your design (.plt or .dxf) to create a cut file
- link-up objects to a cut job (automated)
- make to line where to cut into the foam block
- simulate the cut job, for correctness
- convert an AutoCAD exported 'data exchange file' .dxf into a plt. 'printer file' usable for cutting
- save as plot file (.plt) to be cut with machine

→ once you have finished this file, it's ready to be operated at the machine and added to your data base

## (2) Machining Software

- operate the hot wire tool with FCut
- load the file
- adjust the speed from 90 to 60 cm per minute (depending on foam density and wire diameter)
- set the machine in start position and the FCut start point to zero (0.000)
- press start to automate your foam designs
- wire heating starts one second before cut job starts and ends one second after completion
- finally paint and install mouldings at clients site





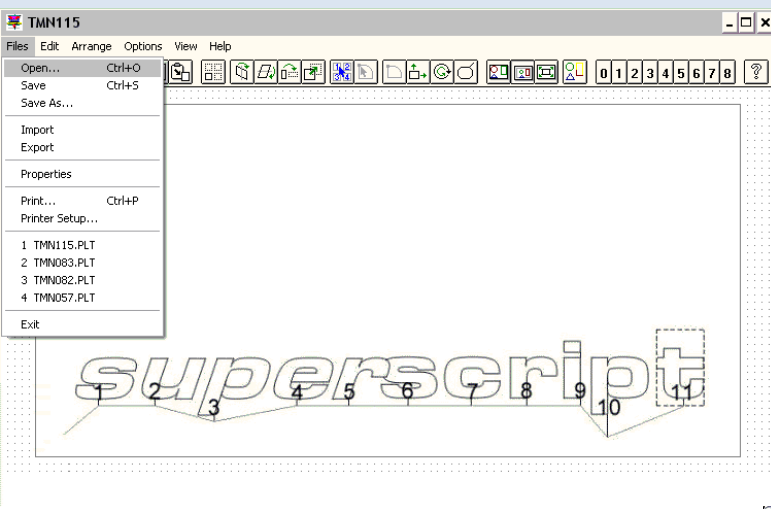
# How to Use the Software to Cut a 3 D Signage

[ 7 m wide x 60 cm high ]



Draw the outline of an object in your own graphics software i.e. CorelDraw, AutoCAD, Inventor or other. We deliver (1) CutPreperator and (2) Machining Software – easy to install (each 6 clicks, 4 min) using the automated windows installer.

## (1) CutPreperator

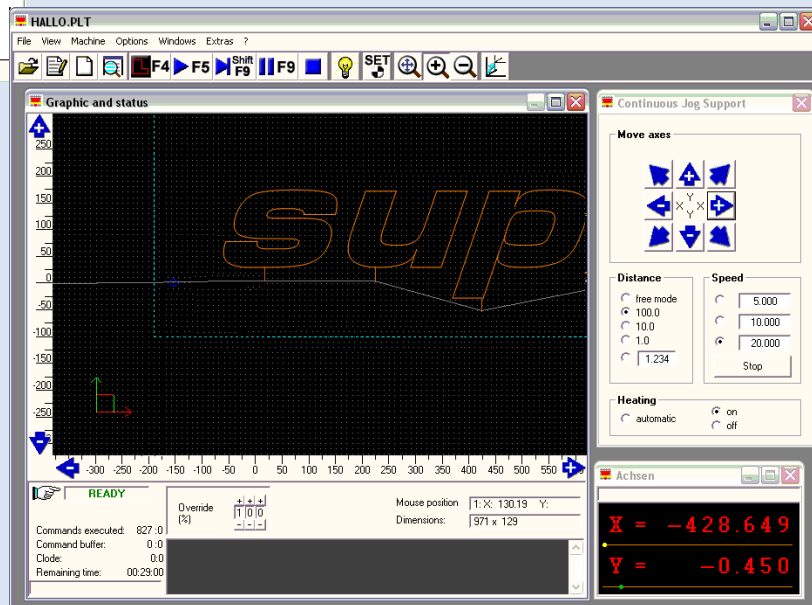


- open your design (.plt or .dxf) to create a cut file
- link-up objects to a cut job (automated)
- create the cut-in lines for the letters i.e. A, B, d, e
- make to line where to cut into the foam block
- simulate the cut job, for correctness
- convert an AutoCAD exported 'data exchange file' .dxf into a plt. 'printer file' usable for cutting
- save as plot file (.plt) to be cut with machine

→ once you have finished this file, it's ready to be operated at the machine and added to your data base

## (2) Machining Software

- operate the hot wire tool with FCut
- load the file
- adjust the speed from 90 to 60 cm per minute
- set the machine in start position and the FCut start point to zero (0.000)
- press start to automate your foam designs
- wire heating starts one second before cut job starts and ends one second after completion
- finally paint and install signage at clients location as per your idea



**Foam Projects** offers fast, efficient but easy handling solutions for a surprisingly low price at absolutely the best 'Made in Germany' quality of any alternative products available.

**Foam Projects** is a leading developer of computerized machinery for cutting perfect polystyrene / styrofoam products like lettering, signage, props – any advertising purposes of any design imaginable. 800 customers are using our systems on all 6 continents worldwide.



Polystyrene foam offers many distinct advantages including lower cost (being 90-95% air), excellent aesthetics, easy cutting, structural performance, recyclable and easy to paint and generally very easy to work with.

Understanding that clients want their business to go well, we know that we have to be always there for them. Particularly in the very first days using our machines. So we consult our customers before, during and after buying a system very reliable and sincere. Says Olaf Hausen, Manager of Foam Projects Machinery.

## Technical Data

### **Speed**

Cutting speed max. 90 cm / minute in Styrofoam 15 kg per cubic meter  
30 cm, 60 cm / minute in dens foam or extruded polystyrene plates

### **Custom Made Machine Sizes**

### **Precision**

Cuts will reach a precision of +/-0,1mm at object

### **Power Supply**

110-220 volt main supply, European, US or other power plugs  
low energy consumption power supplies, direct current – ensures  
vibration-free heat-up of wires

### **Motors**

high resolution micro-step motors for very smooth cuts

### **Special Hardened Long Life Hot Wires**

### **Software**

Operating System Windows XP / Vista / 7 / 8 / 10  
to be run on your own computer, via parallel printer port  
(1) CutPerpetrator (2) Machining Software  
Supporting AMD and Intel processors

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more from mobile phones or outside Germany  
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***Do it with German Engineering***