

Shape cutting machines

Available with 2 or 3 Axis



Standard configuration with moving belt (x axis) and up & down movable wire holding frame (y axis)

Possible as well with block laid on a fixed frame and double movement (x & y axis) holding wires frame



Fully Customizable in design, configuration and block size

- Width up to 4,0 m (158 in)
- Height up to 2,6 m (102 in)
- Length up to 8,0 m (315 in)

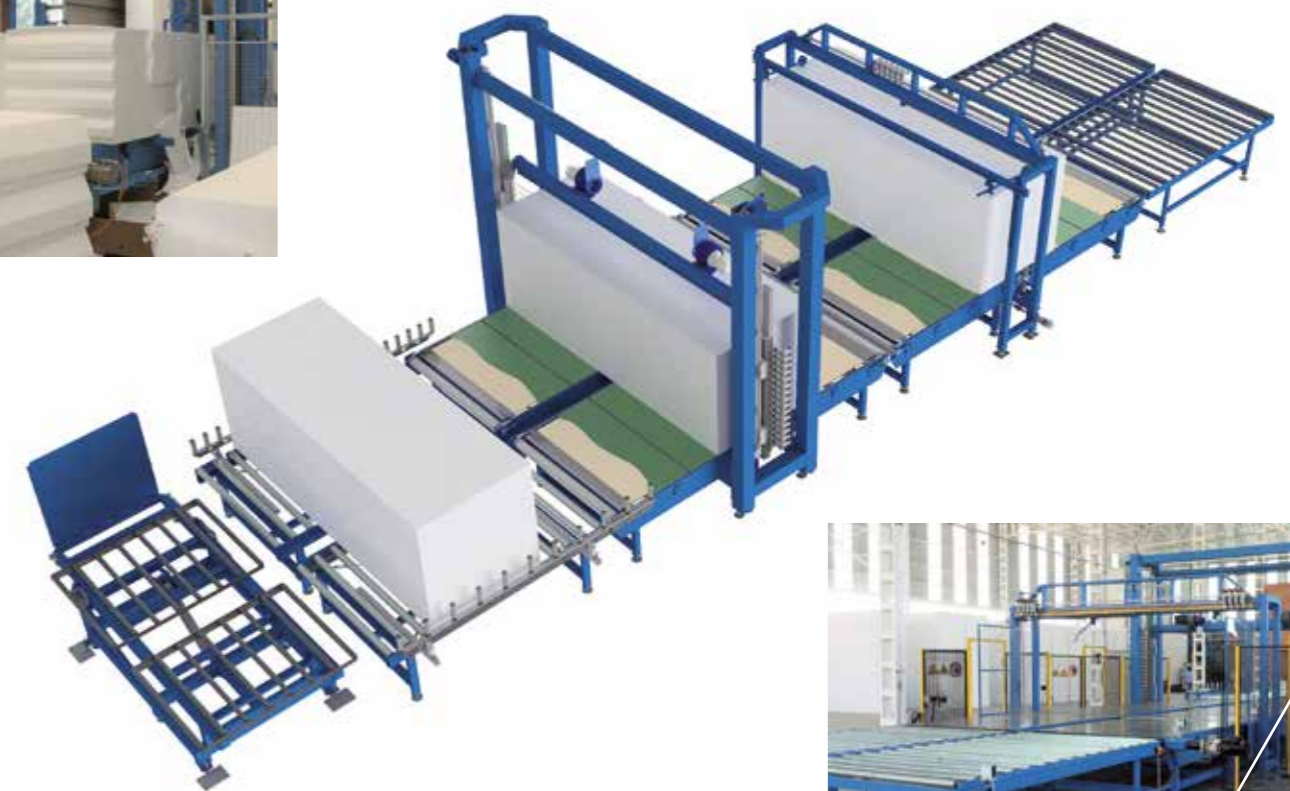
Completable with

- Automatic block feeding
- Additional Horizontal Cutting Station for combined cuttings (flat-shaped)
- Additional Vertical and Length Cutting Stations
- Scrap collection



Special Features

The movement now depends on **asynchronous motors** equipped with Inverter directly controlled by the same PLC that runs the normal programming of the machine: therefore both the Numeric Control and Brushless Motorizations have been eliminated. All this allows to leave unchanged the standard of precision in the movement of the conveyor belt and of the shaping wire-holder frame (X and Y axis), releasing through the machine from the use of motors and control systems of difficult availability on the market and for which is necessary the employment of purposely trained technicians in case of trouble. Machines are therefore definitively more easy to operate and maintain.



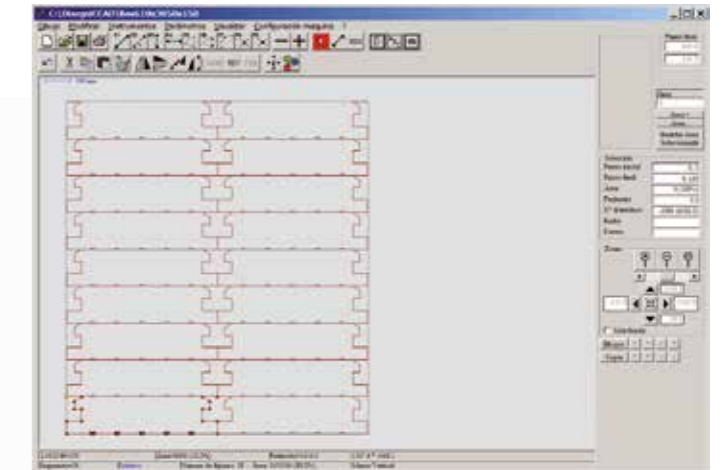
Modern and Advanced Control System

- Process Control by Recipes
- New WinCC supervision system with 19" touch screen Siemens Industrial PC with SSD
- Fully integrable with customer ERP software for controlling the production
- Remote Control for distance support



Remarkable

The software to draw called **ContourCad** installed on the machine PC has been purposely developed by the Nip engineers putting their long experience to good use in the sector of shaped cutting and trying as always to reply to the Customers' expectations.



Some key elements of the ContourCad are

- The simplicity of use.
- The possibility of optimizing the cutting profile for reducing the scrap to minimum, through the automatic calculation of the useful volumes.
- The integration of the piece production data in the design file (cutting speed, block dimensions, density, etc.) and the information on the costs for its production.
- The storage of the data regarding the production.
- The possibility to read DXF files created with Cad standard programmes.
- The possibility to compose in an immediate and automatic way special profiles, such as writings, coverings, etc.
- The storage and fast recovery of the drawings carried out, without number limits.
- The possibility to prepare a drawing while the machine is cutting another one.
- The possibility to install the software on a PC of the office without additional costs.
- The complete compatibility with the previous Nip software versions, with the aim of exchanging design files with other existing NIP shape cutting machines.

