

SteelLine



Automated line for the production of shells in the fields of flue, cooling and plumbing. The plate for shells can be made of steel, stainless steel or copper with a thicknesses between 0.4 and 1.5* mm, length between 100 and 1500* mm and diameter of 80 and 400* mm, with fully automatic work cycle or with diameters from 400 to 800*mm round semi-automatic processing. The Line consist in 3 tons free decoiler, straightening and cutting CNC unit with 3 chrome steel straightening rollers and 2 puller rolls rubber coating, precision positioner, four rolls rolling-press and CNC-PLC panel for production process management.

Plotter 3D able to directly cut the pipe loaded in the machine; especially suitable in the production of accessories for flue systems, air conditioning, ventilation and insulation. The pipes to be worked can be made of sheet steel, stainless steel, copper or aluminum with a thickness between 0.4 and 1.5*mm, length between 100 and 1500*mm and diameter between 80 and 800*mm. The machine is equipped with CNC able to store the machining programs autonomously, freeing the operator from the use of the PC .

The controller of the machine is equipped with card reader to load the external files processed on the PC. The integral fairing completely isolates the cutting zone from the surrounding environment by preventing the processing fumes can contaminate the outside environment.

These fumes are extracted with an aspirator with radial "In-Tube" system that allows the aspiration from the inside of the pipe that you are working promoting, thus, the evacuation of the fumes from the area engaged by the cutting torch with better finish of the cut surface. .

RotoPlasma



ElbowTube

CNC machine to make one-piece ribbed curves with continuous adjustment of the angle from 10 to 90 degrees. Suitable for high volume production due to the reduced cycle time and the absence of the phase of sectors assembly. High rigidity of the curve in relation to the thickness of the material. The curves can be made of steel plate, stainless steel, copper and galvanized steel with thicknesses between 0.4 and 1.0*mm and diameters between 60 and 400*mm.



WeldTube

CNC linear welding bench with TIG procedure for flues and pipes in general; it can be equipped, as option, with generator for welding of galvanized steel. The pipes can be processed into steel, stainless steel, copper and galvanized steel with thicknesses between 0.4 and 1.5*mm, with lengths ranging from 100 to 1500*mm and diameters between 80 and 800*mm. Supplied with TIG, Cool Wire or Microplasma.



RotoSpot

Specialized machine to welding the sectors of elbows used in chimney pipes. The thickness of material must be in the range from 0.4mm to 1.0mm. The contacting metal surfaces are joined by the heat obtained from resistance to electric current. Weldable materials are iron, stainless steel and galvanized. The diameter must be in the range from 80mm to 600mm. The smaller diameters, like 80mm and 100mm, require the gooseneck arm for the welding (supplied standard as standard).



MouldExpander



Machine, with punch and dies, for belling male or female of steel pipes, stainless steel, aluminum and copper. The frame is made of metal and powder coated to ensure long life even in harsh working environments. The diameter of the workable tubes ranges from 80 to 350 mm. The machine is equipped with hydraulic pressure regulator and control panel with PLC for the processing cycle. The machine performs the piece by coupling punch and matrix and, therefore, is capable to create complex geometries such as ribs, seal seats, invitations, bevels, etc. The micrometric adjustment of machining diameter allows machining accuracy with each material. We can design the set of molds on customer request

BeadingElbow

CNC machine for the male/female flanging of the sectors of elbows in thin sheet aluminum, stainless steel, iron, zinc and copper with a range of thickness between 0.4 and 0.6 mm (0.6 - 1.0*mm with specific forming rollers) and diameters between 80 and 600* mm. The minimum length of the piece to be worked is 50 mm. The beelling occurs by deformation of the sheet made by the two forming rollers that, due to the rotation, work over the entire circumference of the pipe you are working on. The machine is equipped with an inverter to adjust the rotational speed of the pipe. The pressure applied by the forming rollers is also adjustable to best adapt to the material and to the thickness.



CutTube

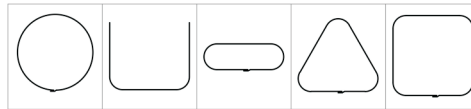


Machine for cutting pipes in thin stainless sheet steel, steel, galvanized steel and copper with thicknesses ranging from 0.4 and 1.5 *mm and diameters from 80 and 800 mm. The length of the cut piece can vary from 10 to 500* mm. The cutting is done in single pass and is particularly clean, smooth and free from burrs. The machine is equipped with an inverter for cutting speed adjustment, blades with optimized shape for stainless steel and with special heat treatment to ensure sharpening durability

BendTube

CNC machine to bend different kinds of metal sheet (iron, stainless steel, copper, aluminium) into a shape other than circular. The machine is able to make circular, triangular, elliptical, and U shapes. The thicknesses can vary from 0.4 to 1.5*mm, with diameters from 80 to 800*mm in relationship to the machine customization.

The shape is obtained by the CNC controller. The user can store several shapes and recall them when he needs.



PantoPlotter



2 axis CNC plotter for cutting sheet metal, especially suitable in the production of accessories for light carpentry, plumbing, flue, cooling, ventilation and insulation.

The frame is made of metal and powder coated to ensure long life even in harsh working environments. The particular geometry of the frame construction gives considerable rigidity in spite of generous proportions. The machine is equipped with CNC controller able to store the working files to let the operator work without the use of the PC on board.

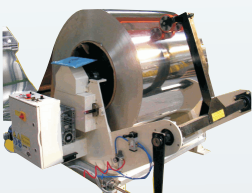
The controller of the machine is equipped with an external card reader that allows the upload of the working programs from the PC. The vacuum system ensures optimal cutting gas evacuation to ensure a cleaner cut and a healthy working environment.

PunchExpander

Machine for belling female of steel pipes, stainless steel, aluminum and copper. The diameter of the workable tubes ranges from 80 to 600* mm. The machine is equipped with hydraulic pressure regulator and control panel with the possibility of operating with automatic return. The micrometric adjustment of machining diameter allows machining accuracy with each material. We can design the set of punch on customer request and it is also possible to use special optional punch to make the step reductions.



RotoCoil



8 Tons automatic motorized decoiler to match with the SteelLine. The machine is equipped with an automatic speed revolution control to ensure the perfect synchronism with the production rate set on the SteelLine. The protective film rewinding unit ensures the best material decoiling to avoid serious jams. The decoiler has, in the back, an arm presser to avoid an unwanted decoiling of the sheet.