Hotwire cutting Systems

With over 30 years of experience in the Development of Computer Technology on the Foam cutting Process, we manufacture ourselves all necessary devices to deliver the best solutions on software, electronic, automation and all mechanical aspects. Our machines are entirely designed and manufactured by CROMA in France. As such, we are capable of producing bespoke Foam Cutting Systems as per your specific requirements and productivity.

Description of our jobs
Cutting wires: 14 wires adjustable every mm mounted on electromechanical tension devices

- **Cutting capacity:**
  - X axis (horizontal) = 160 cm
  - Y axis (vertical) = 160 cm
  - Z axis (cutting wire) = 690 cm
- Integration onto an existing cutting line in less than 3 days.
- Clamping system to secure EPS blocks and promote precise cutting.
- Designated “home” initial position of cutting arms for easy loading and unloading foam blocks
- CE compliant security protection...
- Cutting wires:
  - Contour Cutting: 20 wires mounted on an adjustable tilting harp
  - Trim Cutting: 40 vertical and horizontal wires

- **Cutting capacity:**
  - X axis (horizontal) = 420 cm
  - Y axis (vertical) = 260 cm
  - Z axis (cutting wire) = 140 cm
- Conveyors for easy loading and unloading EPS foam blocks
- Designated “home” parking position for
- Clearing wire edging for loading and unloading of blocks
- Automatic turntable and shaped wire tool
- Cutting Wires: 6 wires on 3 pairs of cutting arms.

- **Cutting capacity:**
  - X axis (horizontal) = 380 cm
  - Y axis (vertical) = 200 cm
  - Z axis (cutting wire) = 290 cm
- Automatic conveyor system to feed and positioning the EPS foam blocks
- Pneumatic “pushers” and “stoppers” to control the displacement of the target foam
- 3 Automatic Turntables (1 capable of vertical bi-direction movement)
- 3 Shaped Wire Tools
- Fully automatic process cycle of cutting

We are also able to propose slicing/dicing equipment to produce sheets and parallelepiped (furniture’s packaging) with either manual or automatic modes.

CROMA® design and manufacture the most versatile Hotwire foam cutting solutions:
- Stratoconcept HW 3D Series: oversized prototypes, models, masters...
- Independent Wire Control function: to produce tapered and objects like cones
- Automatic Turntable for facets mode
- 3D Laser Scanner generates cut files without using CAD programs
- Shaped Flat wire tool offers the ability to “carve out” detailed shapes
- Horizontal lathe, to produce Greek columns
- Multiradius: for the creation of molded arches of complex forms
- Housing for electronic & computer
- Database of 1500 architectural profiles
- 1 year technical phone support and upgrade of the software with FAOMA®