

# NEW



# CROMA

cutting machine



## TOMI SERIES

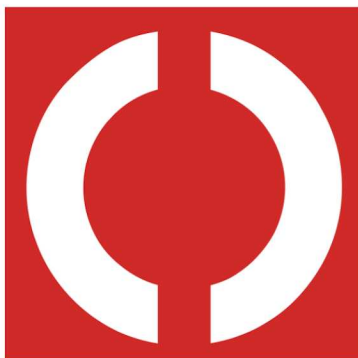
This new range of hot wire CNC cutting machines has been designed to meet all the needs of our customers. From occasional to intensive use, it will suit any work environment. The reinforced steel and aluminum structure can support all the necessary options and the rack and pinion guiding the movements of the arms offers the best precision on the market.

### ADVANTAGES

- › No frame: Easy access for loading and unloading
- › High precision with rack and pinion guide
- › Optimized cutting speed
- › 800 mm wire extension included
- › Integrated computer
- › Ergonomic
- › Speed adjustment and wire breaking detection



TOMI 321



### TECHNICAL DATA



Wire extension



Reinforced arm

#### TECHNOLOGY

- 4 to 5 axis

#### ENGINES

- Stepper motor

#### MAXIMUM SPEED

- 3.2 m / min

#### ACCURACY

- ± 1 mm

#### RESOLUTION

- 0.1 mm

#### REPEATABILITY

- 0.05 mm

#### CUTTING WIRE

- Nickel / Chrome base, delivered with 5 spare wires
- Ø 0.3 mm

#### NUMBER OF WIRES

- Up to 20 cutting wires (option)

#### CUTTING TABLE

- Reinforced

#### GUIDANCE

- Rack and pinion

#### STRUCTURE

- Steel & aluminum

#### HEATING

- External potentiometer

#### WIRE EXTENSION

- Up to 800 mm

#### SOFTWARE

- FAOMA and Croma Output

#### IMPORT FILES

- .PLT .DXF .STL

#### INTERFACE

- Windows 10

#### CONDITIONS OF USE

- 0 ° C to 50 ° C

#### CONNECTION

- RJ 45, 2 ethernet cards

#### POWER SUPPLY

- 230 VAC or 115VAC

### EXAMPLES OF MODELS

Cutting capacities	110	113	211	310	311	313	411	414
X (Horizontal movement - mm)	1050	1050	2050	3050	3050	3050	4050	4050
Y (Vertical stroke - mm)	1500	1500	1500	1500	1500	1500	1500	1500
Z (Working length of the wire - mm)	650	3050	1250	650	1250	3050	1250	4050

\*Y available in 2500mm and 3500mm

Feel free to **contact us** for specific requests or for more information.

**Video demo** on the following link from our Youtube channel:

## OPTIONS

### SPEED ADJUSTMENT AFTER STARTING - INCLUDED -



Very convenient to adapt the cutting speed according to the material you are working with.  
This feature enables adjusting the initial movement of the wire by +/- 50%

### REMOTE CONTROL - INCLUDED -



Manual control of many features, such as:  
Speed setting (slow / fast).  
Turntable driving (in both directions).  
Start, pause or stop the cutting.  
Bring your wire to different definite positions, stored in the machine.

### AUTOMATIC TURNTABLE



CROMA's turntable up to Ø 1150 mm allows you to produce 3D objects easily and automatically.  
Heavy duty option: up to Ø 1500 mm with a pneumatical system.

### MULTIRADIUS SOFTWARE



Ideal to create parts made of variable radii, especially in the building industry: arches, reservations, concrete molds, etc.

### WIRE EXTENSION SYSTEM - INCLUDED -



This system allows the wire to extend up to 800 mm, offering the ability to cut angles over 45° and to make technical parts with a higher accuracy. It can be associated with the Stratoconcept software.

### AUTOMATIC WIRE POSITIONING



Set the distance between each wire in the program, and the automat will display them with great accuracy.  
Combined with a conveyor, this is the perfect feature to produce mass productions of sheets and panels.

### MULTIWIRE HARP



Up to 20 cutting wires at once. This option increases and multiplies the cutting productivity, reducing the production cost.

### STRATOCONCEPT SOFTWARE



Use your machine as a 3D printer:  
Create prototypes and oversized objects in multiple layers, quickly and easily from your 3D file.  
With this technology, complex shapes and sharp angles can be done.

### Computer - INCLUDED -



This ergonomic cabinet includes the electronics, a compartment for the computer,  
The computer is included

### HORIZONTAL LATHE



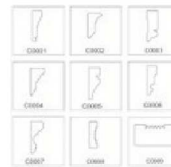
The horizontal lathe is the ideal tool for making all types of columns or oversized objects, like an egg or a surfboard.

### MATERIAL HOLDING SYSTEM



This device helps holding the thin panels vertically on the machine bed.  
Display as much sheets as possible on the edge, and start cutting to reach a great productivity.

### ARCHITECTURAL PROFILES DATABASE



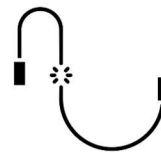
Database of more than 1 500 moldings and architectural profiles. Our designers have gathered an extensive collection of profiles ready to use.

### SHAPEABLE FLAT WIRE TOOL



The Ø 0.3 mm round wire is replaced by a flat wire, or by a thicker round one Ø 0.9 mm.  
This thick wire can be shaped by hand with or without template, and it can take any form.

### DETECTION OF WIRES BREAKAGE - INCLUDED -



If the Wire breaks during the cutting process, the software detects the defect and automatically pauses the machine, so you can either change the wire or bring it back to its starting position.

### LOADING - UNLOADING OPTIONS



Conveyors, self-supporting wheels, side rollers...  
Ask us for the most appropriate solution to your needs.

### TURNKEY SOLUTIONS, CONTROL & SAFETY



Light barriers, machine enclosure, smoke aspiration, safety laser scanner...  
Many solutions exist, let's talk about your needs.

Feel free to **contact us** for specific requests or for more information.