LA RUSTICA
CNC foam cutting machine
"or to do a lot with a few"

Jean-Pierre Bouchy’s work with ideas from Didier Lanot, Jean Claude Requet, Michel Maury and Jean Francois Pion. Presented by Gérard Prat, Laurent Chef, Olivier Segouin, Daren Anguelkov.

Specification
This machine is simple to make, inexpensive, removable and transportable.

The cut workbench can be constituted by any kind of support:
- kitchen table,
- unhinge door
- plate on trestles

Materials (from any good “do it your self” stores):
- 19 mm fiberboard
- M6 screwed rods
- screws, nuts...

Need information? Try here: http://www.teaser.fr/~osegouin/
X axis rack stepper side

**Top view**

- 20mm diameter steel tube
- 6mm screwed rod X axis carriage guiding
- Stepper motor
- Fiberboard 19mm

**Side view**

- 6mm fly-nut
- 6mm thrust washer
- 6mm nut
- 6mm screwed rod for fixation on cutting table
- Hole for nut insert for box-beamed ruler mount with screw
- Fiberboard 19mm

**Bottom view**

- 6mm screw
- 6mm screw
- 6mm nut
- Fiberboard 19mm
- 20mm diameter steel tube
- X axis carriage guiding

Opposite side (without stepper) the hole had 8mm diameter

100mm

30mm

84mm

20mm diameter steel tube X axis carriage guiding

20mm diameter steel tube X axis carriage guiding

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X axis medium rack

Top view

Side view

Bottom view

Box-beamed aluminium ruler

Fiberboard 19mm

117mm

127mm

157mm

30mm

97mm

21mm

7mm

20mm

44mm

100mm

84mm

20mm

30mm

30mm
Dimensions of La Rustica are in accordance to:
- length of box-beamed aluminium ruler
- length of steel tube
- length of screwed rod.
The standard dimensions are:
- 1000mm for X axis
- 500mm for Y axis
**Cuting bow**

**Untight bow**
- Ply 2mm or epoxy plate
- M3 screw
- Not in contact!
- Cutting bow 70˚ at 80˚
- Aluminium U section 10x15x1mm
- Aluminium square section 10x10x1mm
- Insulating sleeve
- 500mm

**Tight bow**
- Attaching wire by pigtail
- Inox wire or piano wire from 15 to 30/100 (inox: fishing accessories)
- 2 or 3mm hole
- Insulating sleeve or other insulating
- Not in contact!
- Ply 2mm or epoxy plate
- M3 screw
- Soldering lug for supply of wiring cut
- K52 /K75 /K73 /K74 /K69 /K63 /K27 /K41 /K72 /K63

Gérard PRAT /DAN/22/10/01