

Vitap Group

## Micra





## The revolution in the field of acoustic panels

The head moves in Z axis (X-Y) while the vertical head from top punches thanks to the oleodynamic cylinder.

- N°2 X axis latest generation brushless motor with epicyclic reduction gear pinion and rack with high recision.
- Y axis latest generation brushless motor with epicyclic reduction gear pinion and rack with high precision
- Z axis by oleodynamic cylinder with hydraulic central unit
- Industrial PC for high programming performance- simple programming-LCD TFT monitor 19" 5/4
- USB port for loading programs executed on a cad station in the office
- Cad for graphic programming TPA CAD in the basic version. Storage of all files with all data.
- Macro programming dxf file import.
- Software for optimization of the micro-holes on the piece to be punched.

Drilling system for the production of micro-perforated panels.

**Micra is a revolutionary CN punching machine, with between 300 and 2300 punches, depending on the type of panels and surfaces to be drilled.**



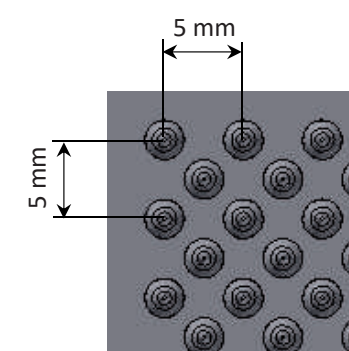
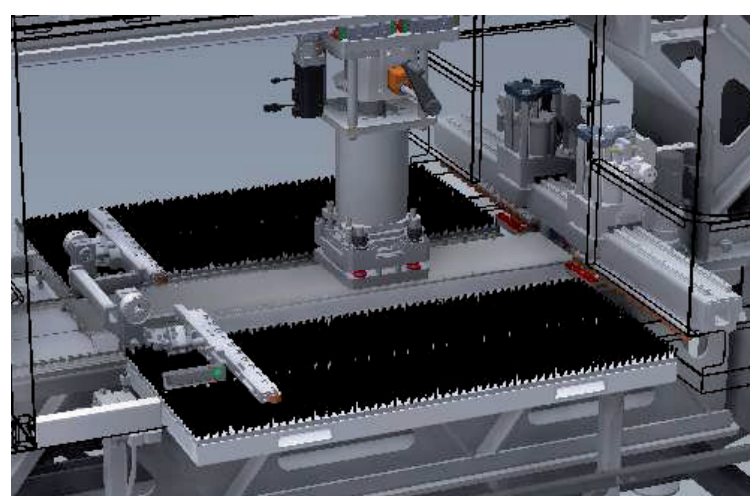
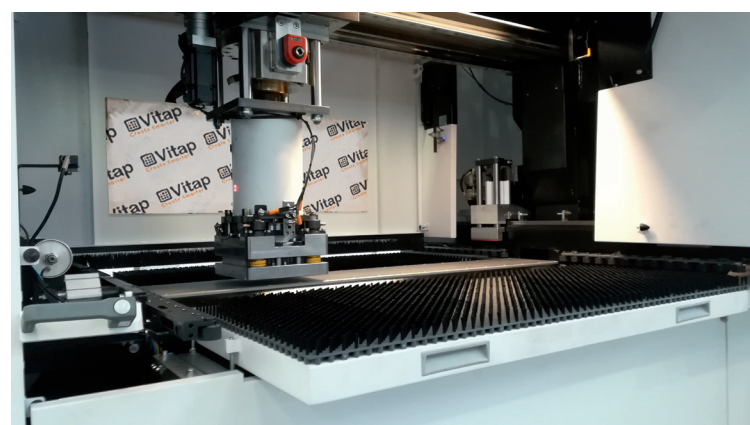


## STRENGTH POINTS

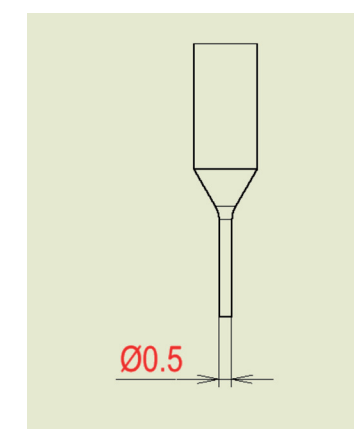
- A working center in less than 5 m<sup>2</sup>.
- Punching head of (between 300 or 2300) punches
- No danger due to the use of lasers (it is known that the fumes from laser processing machines are harmful to human health) like laser machines
- We can design the punching head according to the customer needs
- Simple, friendly and reliable machine with a formidable result
- Micro-Holes up to 0,5 mm diameter (based on customer drawings and materials)
- Interchangeable punches.
- No limit on the length in X axis of the panel
- Workpiece thickness up to 50 mm
- Workpiece width in Y axis 1300 mm



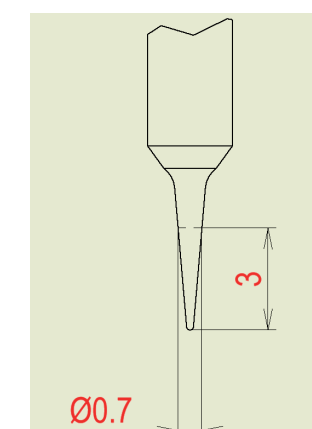
Dimensions and drawings of the die and punches can be modified according to the technical specifications requested by the customer and according to the characteristics of the material to be drilled.



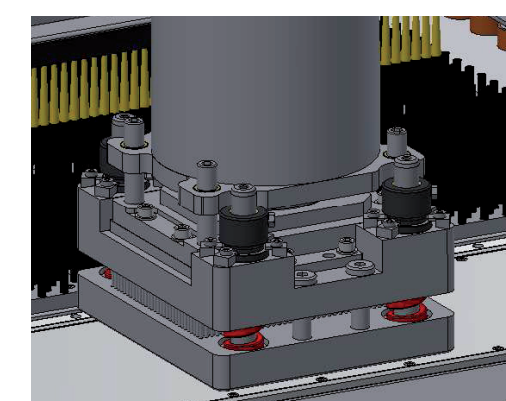
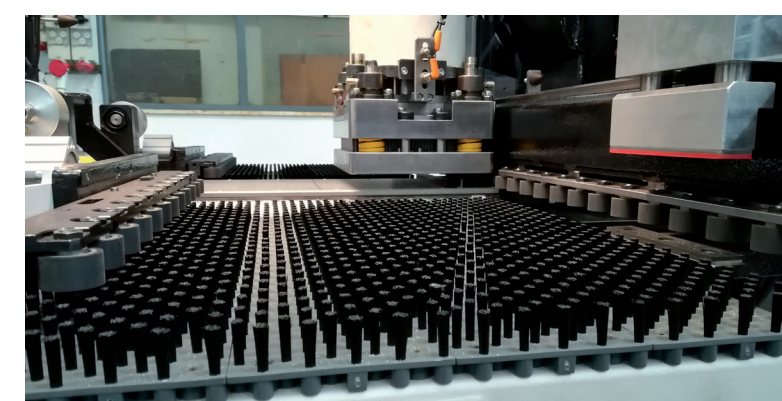
EXAMPLE



EXAMPLE



EXAMPLE



Total pressure on the punches  
regolabile



Metodo Laser - Laser Method - Méthode Laser

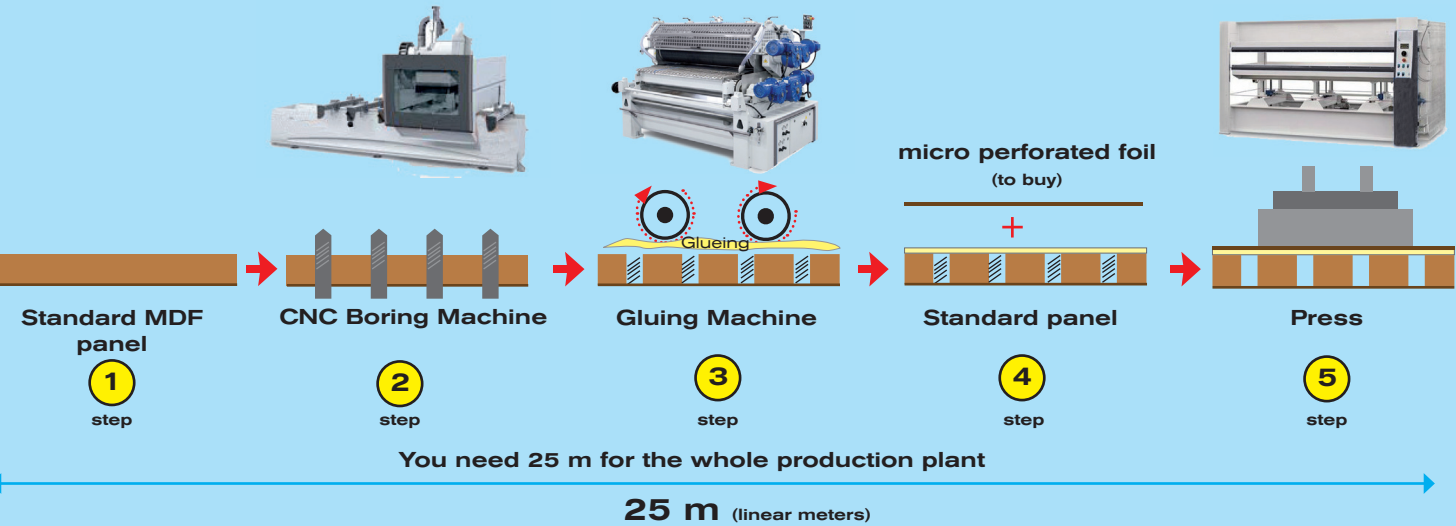
- PROBLEMI DI:**

  - Fumi che si disperdono nell'ambiente lavorativo, nocivo per la salute umana.
  - Profondità del microforo.
  - Non perpendicolarità dei fori.
  - Costi elevati.
- PROBLEMS OF:**

  - Fumes that are dispersed in the working environment, harmful to human health.
  - Depth of the micro hole
  - Non-perpendicularity of the holes
  - High costs
- PROBLÈMES DE:**

  - Fumées dispersées dans l'environnement de travail, nocif pour la santé humaine.
  - Profondeur du micro-trou.
  - Non-perpendicularité des trous.
  - Coûts élevés

Metodo Tradizionale - Traditional Method - Méthode Traditionelle



TECHNICAL DATA (standard)

Length machine:	3597 mm
Width machine:	1701 mm
Height machine:	2264 mm
Minimum panel length L min.:	270 mm
Maximum panel length L Max.:	3000 mm o Max 80 kg
Minimum panel width H min.:	150 mm
Maximum panel width H Max.:	1300 mm
Minimum panel thickness S min.:	5 mm
Maximum panel thickness S Max.:	50 mm
Max air consumption:	750 NLt/min
Operating pressure:	0.6-0.8 MPa 6-8 (ATM)
Horizontal movement speed of the panels on the X axis:	25 m/min
Horizontal displacement speed on the X axis:	30 m/min
Max punching depth (drilling):	3 mm
	depending on the material used
User interface:	yes
Data input with USB port:	yes
P.C. Windows environment:	yes
Albatros TPA software with optimizer:	yes
Possibility of networking and remote diagnostics:	yes
Pelletizing machine for lifting and transporting:	yes
Tool set:	yes
Operating system license:	yes
Software CD of all components installed on the machine:	yes

Metodo Vitap - Méthode Vitap - Method Vitap

