



**VERTIMAQ**

**DRILLBOY**

*"CNC Technology For everyone"*





# Vertical Concept

*All are advantages for your  
business*

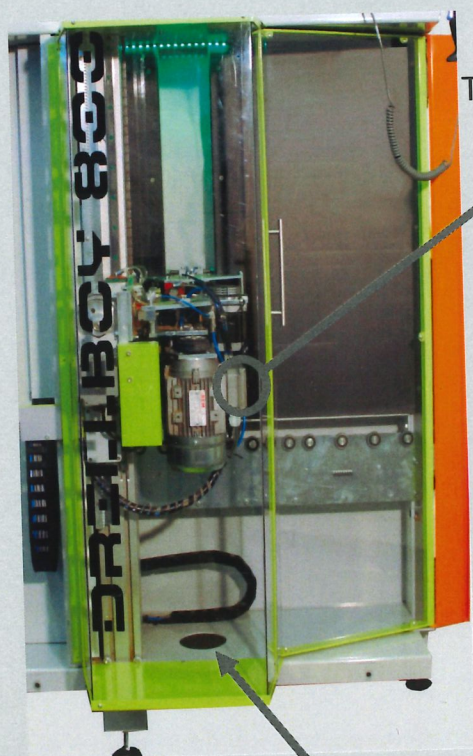
**FOR EVERYONE?**

The vertical machine occupies less space, a really record, to have a cnc drill center in only 2 m2 of your workshop.

The machined part always rest on one of the edges, his weight resides in that side avoiding scratches on its surface finish, the plastic table is behind the part, guiding it, so finally the external cabinet surface does not suffer any damage

Thanks to gravity, the piece always is in contact with the base with bearings, the zero point of all measures, does not need adjustable pusher, avoiding wasted time to set up the machine to each workpiece, as it happens in the horizontal machines.

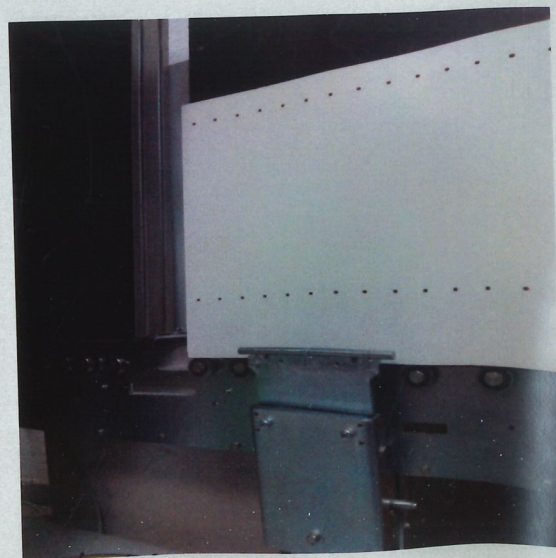
All the dust generated by drilling falls down about gravity and it goes straight to the suction inlet located at the base of the machine.



Transparency visual for work

Dust extractor  
inlet

- Weight supported in edge.
- Not scratching the workpiece surface as the horizontal systems



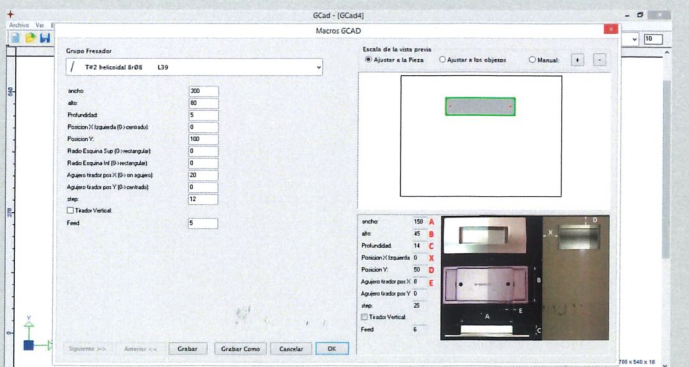
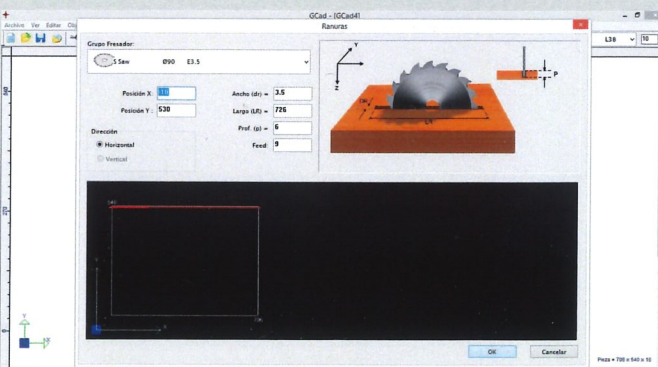
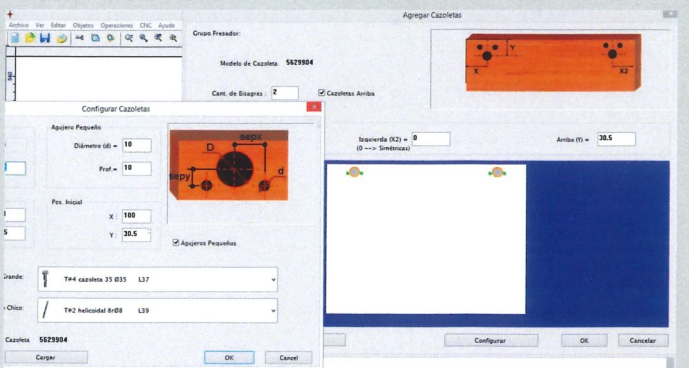
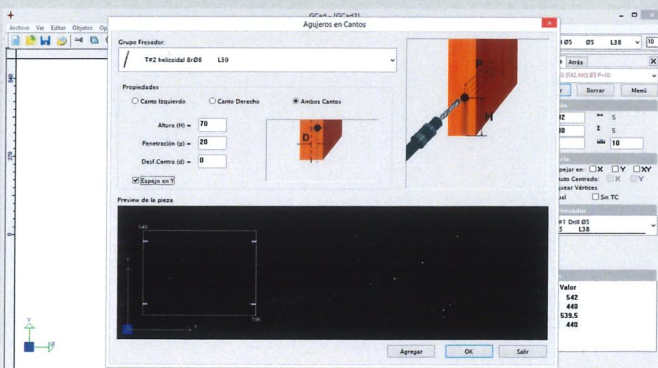
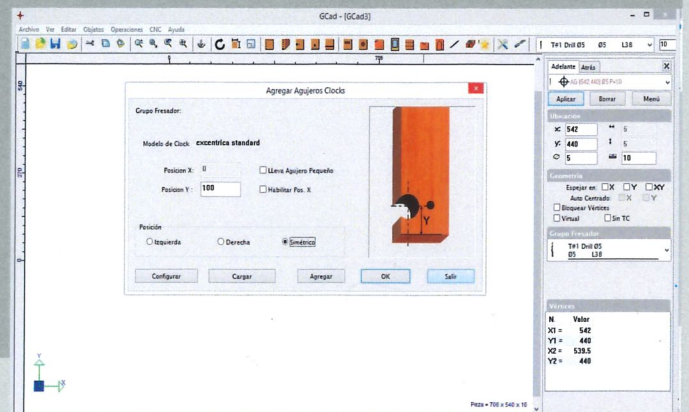
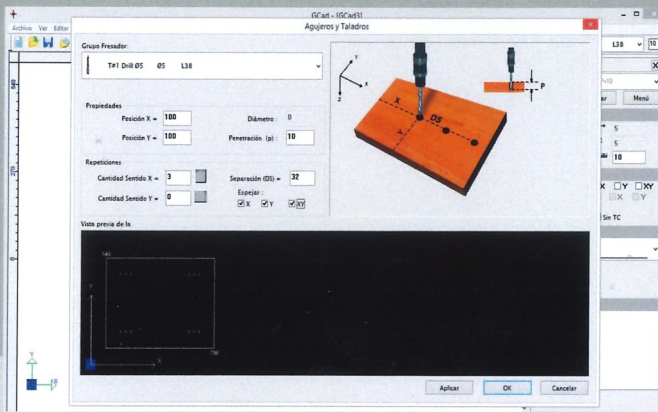


# The friendly Software

The gcaD Lepton, certainly one of the most intuitive woodworking software, provides easy use, speed and flexibility. From the comfort of your office, without to borrow machine time to programming, the partprogram is copied in a pendrive to put then in the cnc control , so by the menú selection or by reading the bar code, the program is loaded automatically, and pressing the green button, the part is mechanized.



After you fill the boxes with the measures information for the specific macro, the part desing is generated immediately, so simple like that!





**DRILLBOY: the new Vertimaq cnc drilling center, provides the craftsmen the state of the art in woodworking technology**

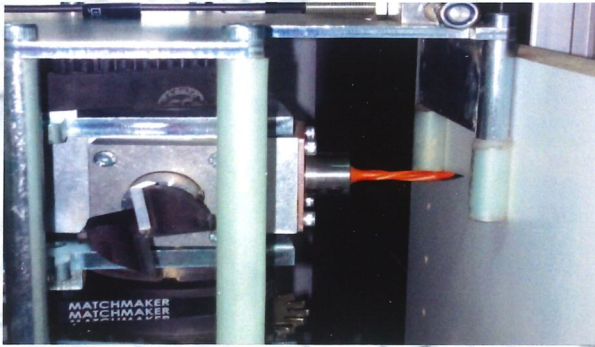
**Absolutely compact, easy to use and fully flexible. It makes drills, groves, millings, cuts... all you need for cabinets and furnitures, all that in only 2m2**



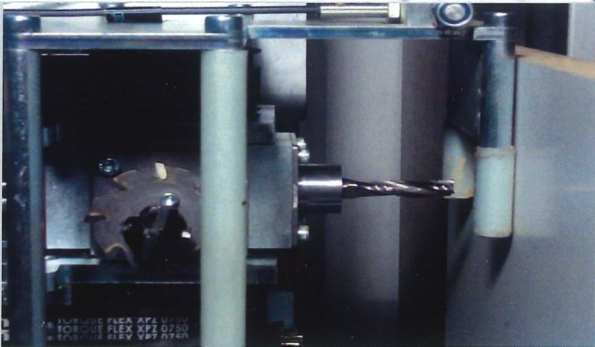


# The boringhead

Drill N°1: 3-5mm Tools for frontal and edge drillings

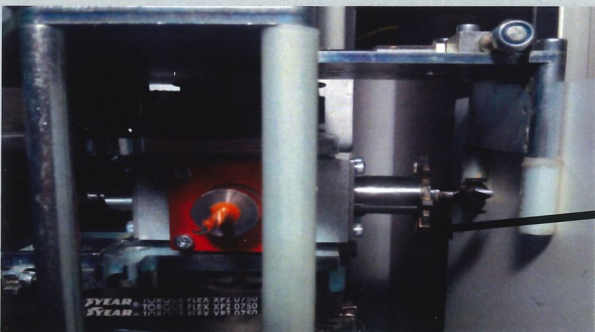


Drill N°2: 8mm tool, for frontal and edge drilling , optional mill functions

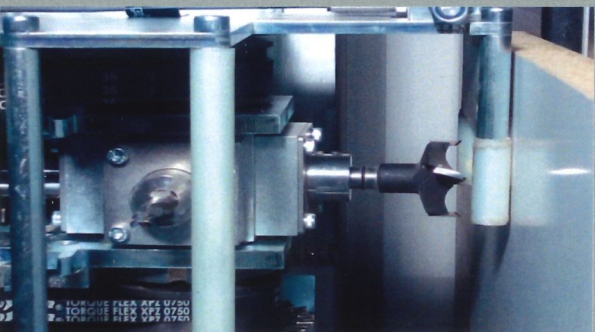


Drill N°3: 15-20 mm tool for minifix hinges

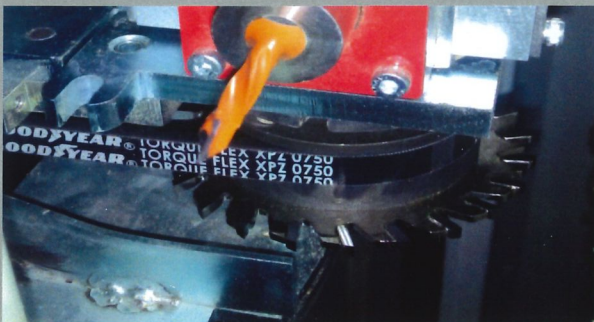
\*optional N°5: small saw blade for edge grooving



Drill N°4: 35mm tool for door hinges.



N°6. saw blade for horizontal grooving.

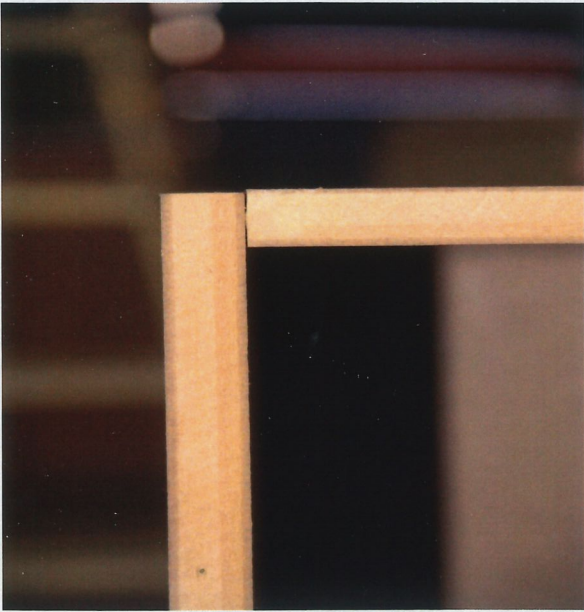


OPTIONAL: replace drill N°4 with 3 x32mm multidrilling device





**A**

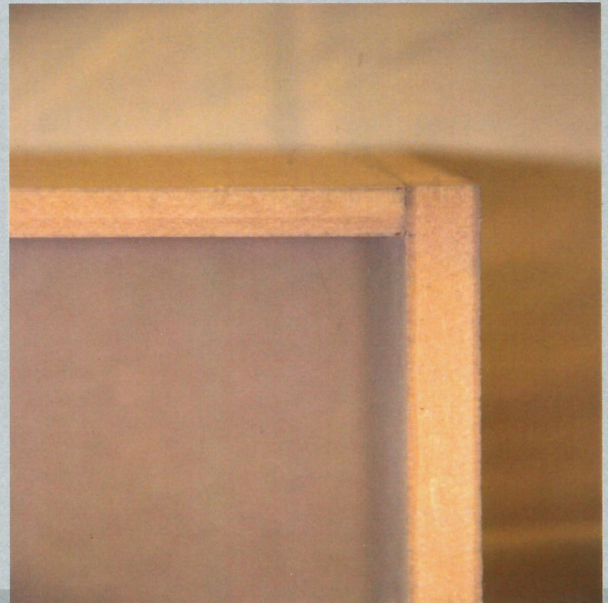


**B**



**A** .Bad joints can appear by differences in panel thickness machining with drills “under table” systems.

**B.** Bad joints produced by differences in the length and squaring of the piece (machines without Electronic squaring probe)



Perfect joints thanks to our frontal boringhead system, integrated pneumatic press on it, and our exclusive Electronic Squaring Probe Tester that corrects the position of the holes respect to the length and squaring of the part piece.

¿why is important the Electronic probe?

We know that the majority of the craftsmen cut the panels in manual panel saws, so, as result of this, there are some imperfections in the length and the squaring of the parts.



# TECHNICAL DATA

DRILLBOY (dimensions in mm)	750	850	1000
Y axis reach drilling	650	750	900
Max. height Grooving with saw blade	580	680	830
X axis	3000	3000	3000
Z axis plate thickness	12-50	12-50	12-50
Max. movement speed	25m/min	25m/min	25m/min
Min Dimensions workpiece	(x)200	(y)60	(z)Thickness 12
Max height workpiece	750	850	1000
Boring head Motor 3PH 380V/220V	1HP	1HP	1HP
Dimensions(mm)1150x620x...	1500	1650	1800
Minimal dust extractor capacity required	2300m3/h	2300m3/h	2300m3/h
Weight (kg)	335	345	360

## Typical functions:

- 3-35mm drills
- Minifix drills
- hinge drills, for every market model.
- Slots with the saw blade operates in the X axis direction, maximum depth grooving 10mm
- Slots with router bit in every direction (optional software plug in)

## The boring head

The boring head is controled by the A axis, turns 360º positioned every 90º by software.

It is equipped with 4 chucks and an integrated sawblade.

Min-max diameter tools: 3-35mm and 90mm saw blade

## Standard equipment

CNC control Vertimaq,

Software Gcad Lepton, dedicated. Basic version for drilling and grooving, (optionals for millings )

4 drill tools: 5mm, 8mm,20mm, 35mm

Saw blade 90mm diámetro

Left and right arms support for pieces of 3000mm of length

Manual Grease pump, two central distribution points

Electronic probe on the boring head, to correct the position of the drills, in reference to the length and squaring of the piece.



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