

bill@billcoronato.com
732.330.8680



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CAUTION
GO SLOW
SOUND SIGNAL

The control console is a light-colored metal cabinet. It features a large windowed area containing a CRT monitor displaying a blue screen with a white cursor. Below the monitor is a control panel with a prominent yellow emergency stop button, a row of seven indicator lights, and a numeric keypad. A keyboard and mouse are placed on a shelf below the control panel. The lower section of the cabinet has several warning labels, including a yellow lightning bolt symbol and a large yellow rectangular label with black text.

A wooden storage rack with multiple shelves, filled with various tools, including what appear to be drill bits and other small metal components, organized in a systematic fashion.

A large, dark-colored industrial machine, likely a CNC lathe or mill, with a protective enclosure. A large, flexible, ribbed duct is connected to the top of the machine, extending towards the right side of the frame. The machine has a large window showing internal components.

A smaller, grey electronic device, possibly a power supply or a control unit, sitting on a wooden surface. It has a fan grille on the front and some connectors on the side.

A blue jacket or piece of clothing draped over a wooden surface, possibly a workbench or a table.

A white machine or cabinet with a yellow warning label on its side, partially visible in the background.

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CNC drilling and routing centres

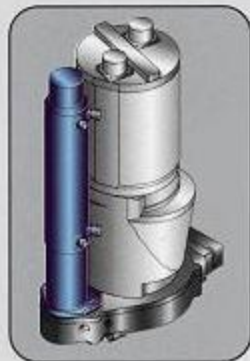


**Maximum versatility and flexibility
for all requirements**

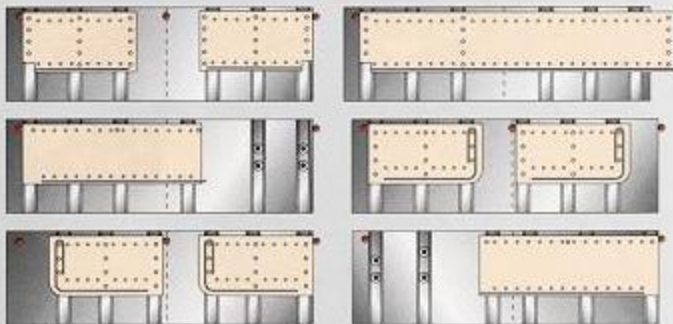
**Great strength,
guaranteeing
maximum
precision.**



Vector Axis:
tall ISO 30 and HSK 63
electro-spindles have
fittings for a fourth,
Vector Axis "C".



All **Tech 99** models available with
two machining fields for continuous
machining cycle as standard.



Precision

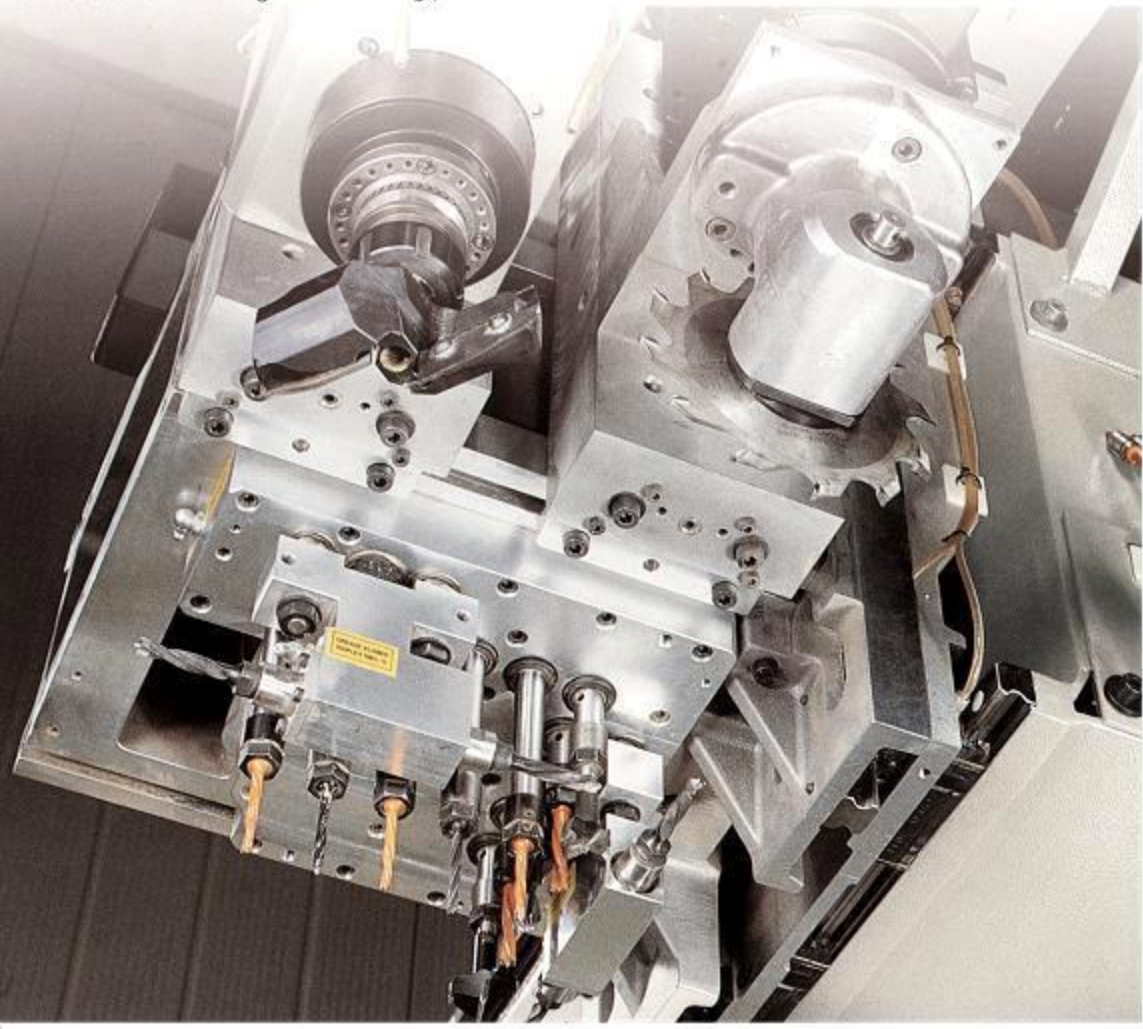
CNC axis positioning with
thousandths precision
Tolerance: +/- 0.1 mm

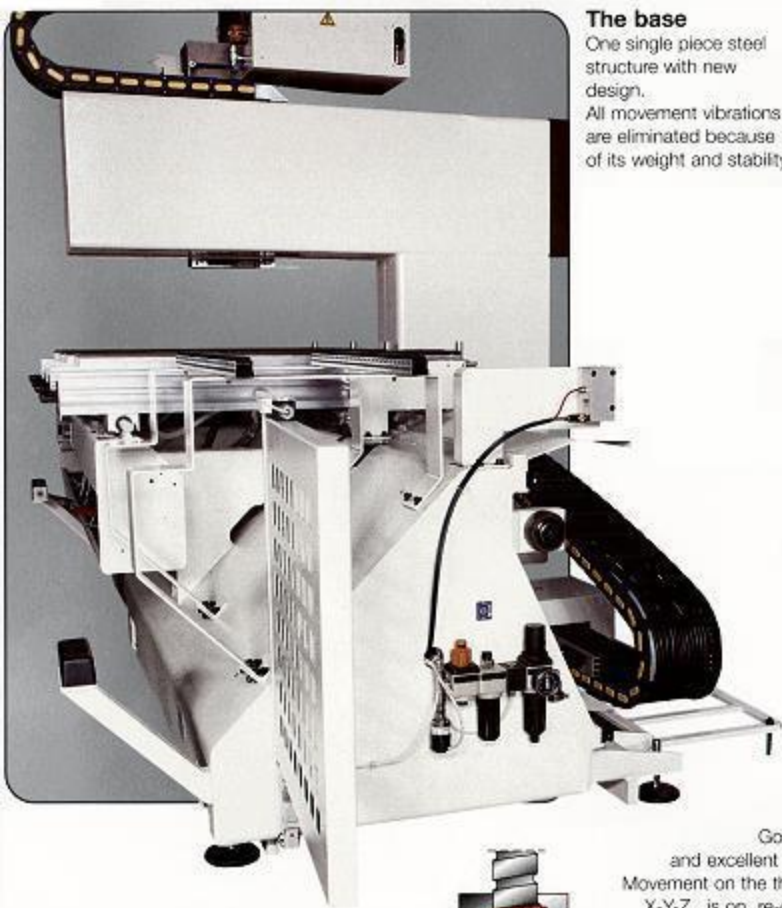
Versatility

The machining units can be configured
with various electro-spindles and various types
of tools for a wide range of machining processes.

Solid

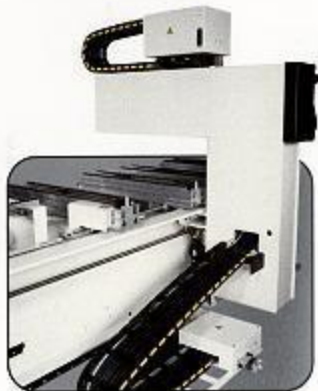
Machine base weight: **1063 Kg**
Weight of machining head support: **268 Kg**
Thickness of main upright sheet steel: **8 mm**
Total machine weight: **3000 Kg**





The base

One single piece steel structure with new design. All movement vibrations are eliminated because of its weight and stability.



The support beam

The machining unit's support beam is the result of research aimed at achieving:

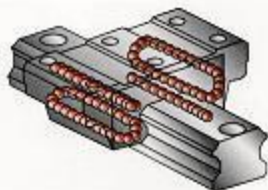
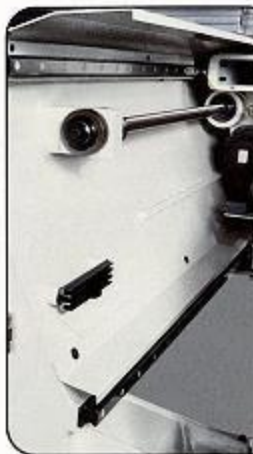
- good rigidity
- precision
- positioning flexibility

An excellent, rigid support which balances the weights and stresses produced by the various machining, even heavy duty, which all **Tech 99** models can carry out.



Good rigidity and excellent precision. Movement on the three axes, X-Y-Z, is on re-circulating ball screw prism guides.

Accurate positioning is guaranteed by a re-circulating ball screw mechanism.



Tables with 2 round suction cups –
Standard on all Tech 99 models.



Machining area is easily
reconfigured by repositioning
the suction cup tables without
removing those which are not used.

Bakelite supports
(for standard tables) with
vacuum area which may be
configured for routing
(optional).



Mechanical workpiece locking grippers
for small workpieces (optional).



Multifunction work tables with rectangular suction cups, whose
vacuum area may be configured in two pneumatic positions for
boring (under the work table) and for routing (above the work table)
– Optional on all models.



Available as optional, front referencing stops
which together with the standard rear stops
facilitate the positioning of short components.



Simple and practical positioning of heavy
workpieces using retracting pneumatic
supports (optional).



All types of boring.



Boring on tilted surfaces.



Shaping



Power routing operations



Combined routing and sanding



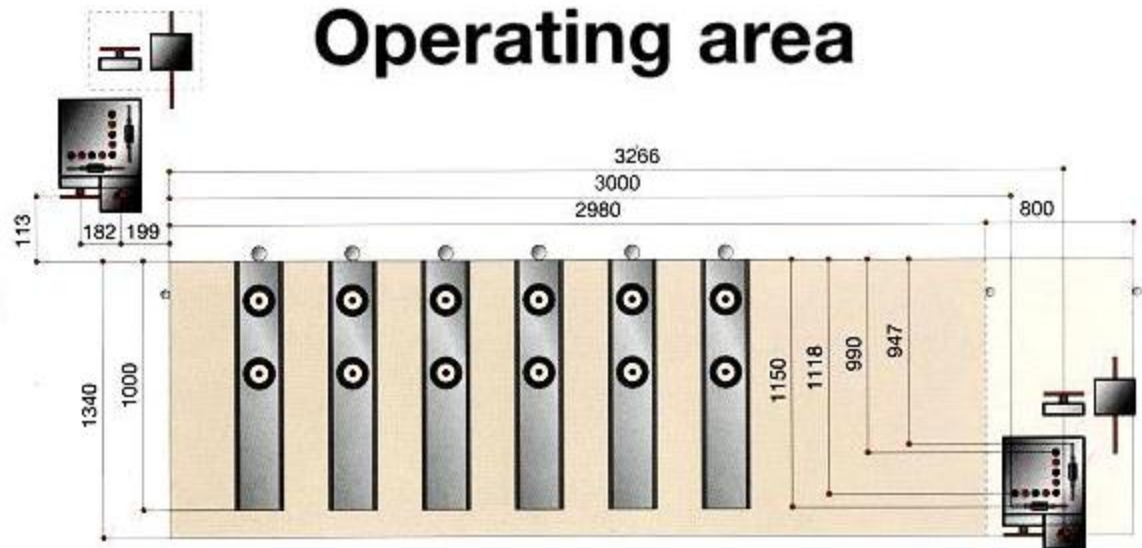
Complete cabinet door machining



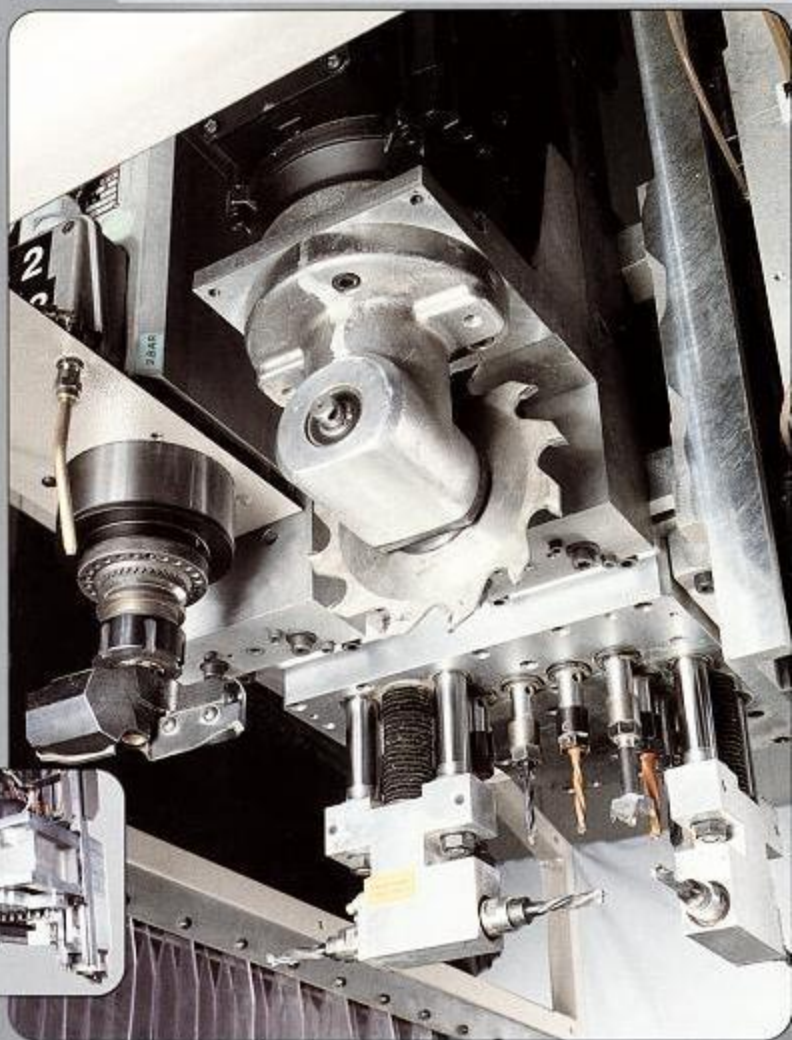
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Operating area



Using extra stop, available on request, operating area reaches 3,780 mm.



Standard - Standard



Main features.

The structure is an aluminium single block.

Configuration:

- 10 independent vertical spindles (6 in direction X and 4 in Y)
- 4 horizontal spindles (2 in direction X and 2 in Y)

Technical specifications**Tech 99**

X axis working area		2980 mm (3780 mm - opt)
Y axis working area	Vertical drilling	1020 mm
	Routings	1240 mm
	Cut with rear sawblade (POS.3)	680 mm
Panel pass		180 mm
Max panel thickness		100 mm
Z axis stroke		200 mm
No. vertical drilling spindles		10 (12 - 18 - opt)
No. horizontal drilling spindles		1+1 in X e 1+1 in Y (2+2 in X e 1+1 in Y opt)
Spindle speed		4000 rpm-U/min.
Speed spindle motor power		2,2 KW (3 HP-PS)
X-Y axis vectorial travel speed		67,5 m/min.
Z axe linear travel speed		22,5 m/min.
Cutter disc unit motor power		2,2 KW (3 HP-PS)
Cutter disc unit speed		6000 rpm-U/min.
Motor power of routing spindles with MK2 tool taper		3 - 6,6 KW (4 - 9 HP-PS)
Max speed of routing spindles with MK2 tool taper		24000 rpm-U/min.
Motor power of routing spindles with ISO 30 - HSK 63 tool taper		4,4 - 6,6 KW (6 - 9 HP-PS)
Max speed of routing spindles with ISO 30 - HSK 63 tool taper		24000 rpm-U/min.
Motor power of head unit for horizontal routings		4KW (5,4 HP-PS)
Max speed of head unit for horizontal routings		18000 rpm-U/min.
Installed power (according to fitted optional units)		KVA - 9 - 16
Compressed air pressure		6/7 atm
Compressed air consumption		150 nl/cycle-Zyklus
Vacuum pump		40 m ³ /h
Air extraction flow rate		30 m/sec
Air extraction consumption		3400 m ³ /h
Vacuum		3000 Pa
Extraction outlet diameter		ø 160 mm. (ø 200 mm. opt.units-Opt.Aggreg.)
Total machine weight (electrical cabinet included)		3000 Kg.

Dimensions