LIVRA

HIRZT

Point to Point through-feed Boring machine with drilling from the bottom

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FLEXIBILITY = Total (zero setting time)
PRODUCTIVITY = Very high (while processing you can load next panel)
EASY USE = Appropriate and parametric CN

Innovation and Quality our instruments of competition

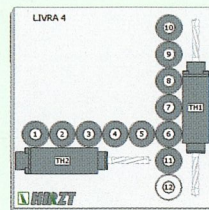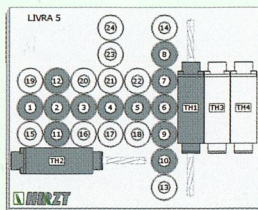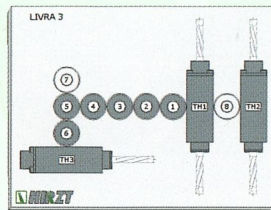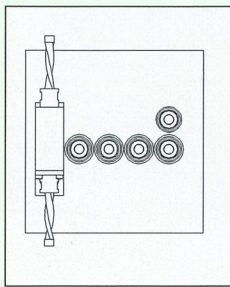## 4 NC AXIS:

- NC axis for Panel feeding
- NC axis for boring unit
- NC axis for vertical boring depth and horizontal
- NC axis for horizontal boring height

VERTICAL - BORING

REAR - BORING

FRONT - BORING

SIDE - BORING

SAW GROOVING
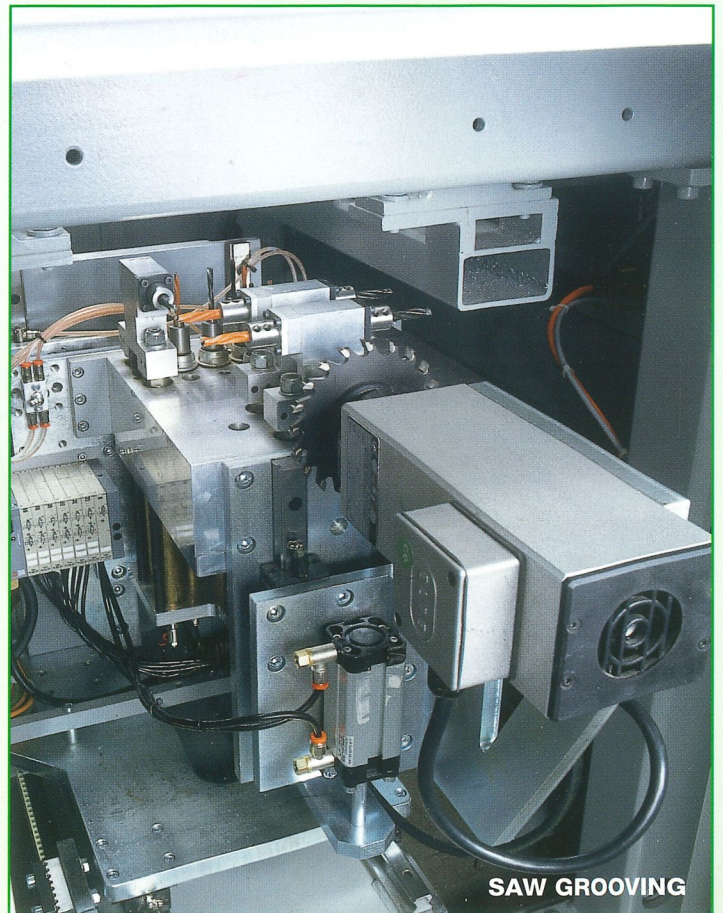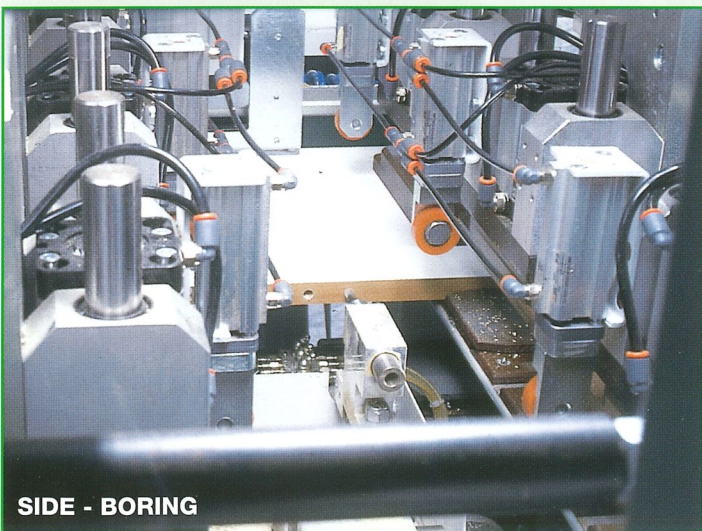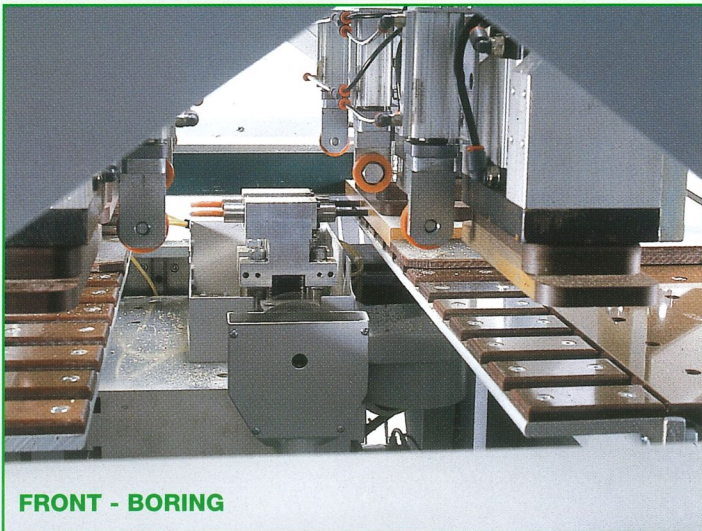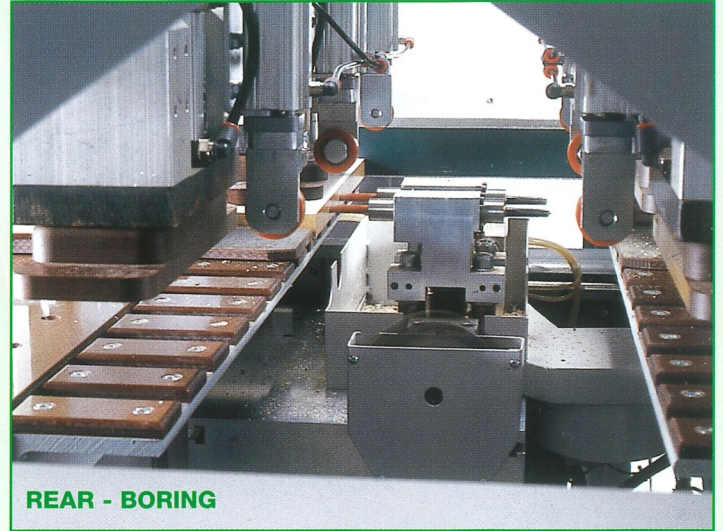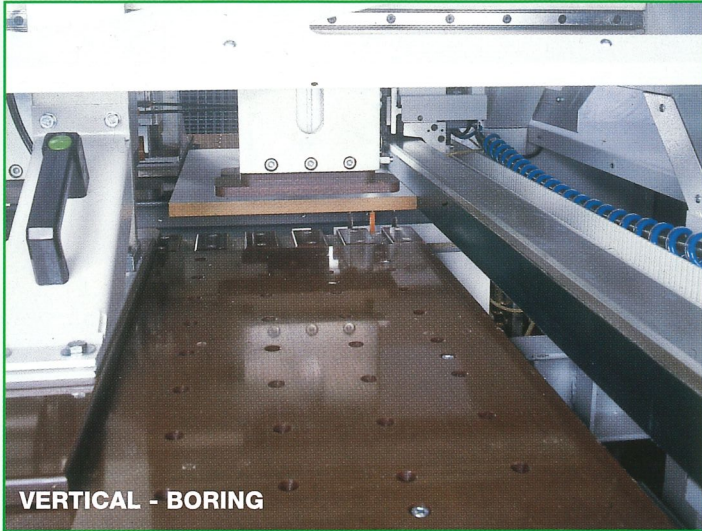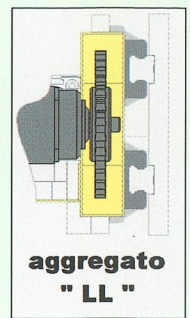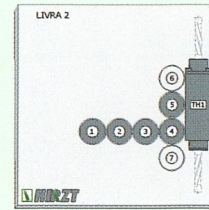
TOTAL FLEXIBILITY

■ There is not need of any adjustments, it is sufficient to recall the program and load the panel. You can immediately go from the processing of one piece to the next one of different dimensions.
The program can execute the panel unloading with return to the in-feed position or from the opposite back side.

FULL PRODUCTIVITY
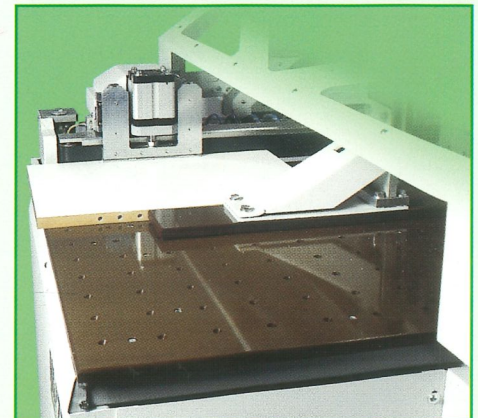
For processing in series it is used the back unloading system that allows a one after the other panel unloading. It is possible to program processing sequences of big and small lots by reducing time because in the process are eliminated positioning and loading times.

ADVANTAGES OF BORING FROM THE BOTTOM

1 - CLEANING Execution of boring from the bottom gets the panel's good-face protected from any mechanical component contact.

2 - FINISH The boring from the bottom eliminates definitely shavings from the hole reaching a high finish. The automatic double speed feeding, fast and slow, to the boring position makes the process of high performance for time required and precision.

3 - PRECISION The "beginning / end" panel reading is made automatically by an optic fibre. It transfers the panel cutting errors to the panel inward.
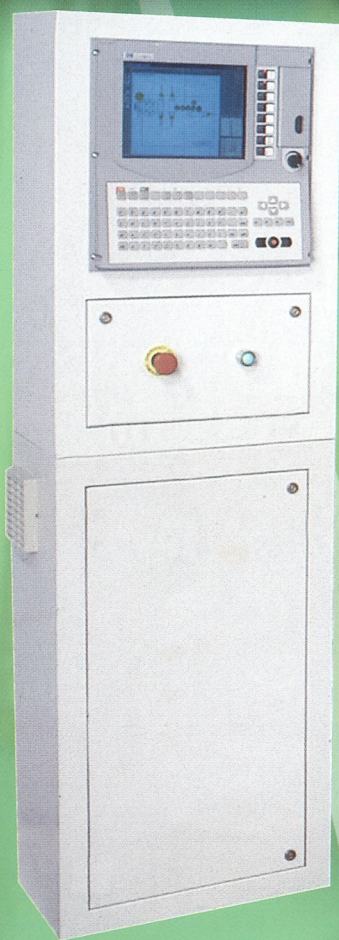
CN BOARD VERS. LIVRA 2

■ **Cn** with PC processor pentium on a separate consolle, colored display LCD 10 inches, floppy disk 1,44, built-in mouse, keyboard and potentiometer for Override. Multitask UNIX operative system. Programming with graphics. Processing optimization with automatic choice of type of tool and diameter previously established, with control of the boring speed in accordance with the tool's diameter. Possibility to make a copy of the programs. PLC program set on board, for following modifications and developments made by Hirzt on request.
Software with oscilloscope for axis optimization.
Predisposition for bar-code. Processing time work-out in advance.
Predisposition of teleassistance through modem. Manual instruction into the program with help. The machine is completely controlled electronically in all its movements to be used with simplicity by any user.

STEP BY STEP CLAMPS PROCESSING

■ The step by step panel feeding with the clamps return to the loading position is made only with the panel blocked to avoid any error of panel seizing and makes the boring of very high precision. No limits of panel length in longitudinal way and machine of small dimensions.

Technical data	vers. 1	vers. 2	vers.3	vers. 4	vers. 5
NC axis	4	4	4	4	4
CNC	point to point	parametric	parametric	parametric	parametric
Saw unit	-	opt.	opt.	opt.	opt.
Air pressure	6 bar	6 bar	6 bar	6 bar	6 bar
Power	3,5 kw	3,5 kw	3,5 kw	3,5 kw	3,5 kw
Spindles RPM	3.400 rpm	3.400 rpm	3.400 rpm	3.400 rpm	3.400 rpm
Dust extraction	Ø 120	Ø 120	Ø 120	Ø 120	Ø 120
Top pressing unit	4	4	4	4	4
Beginning/ end panel check	-	opt.	opt.	opt.	opt.

We reserve the right to modify the design or equipment without notice

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