

The New Series STARMATIC

Giben®



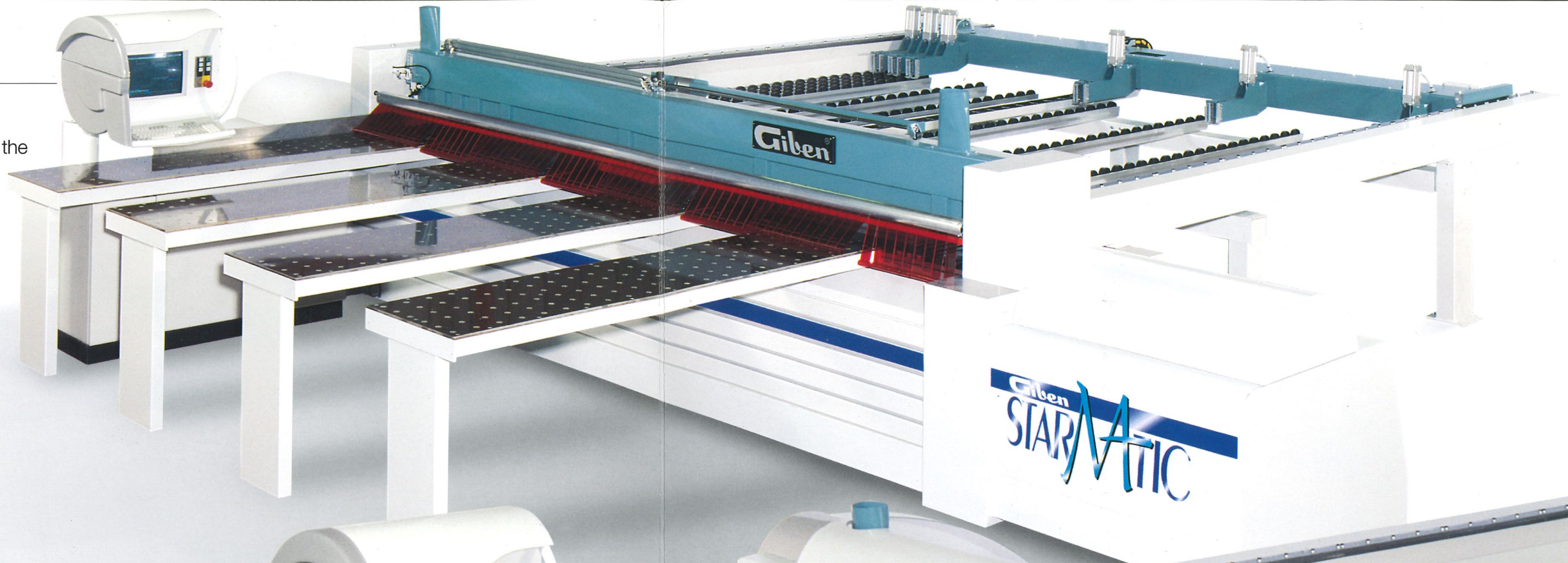
Giben®



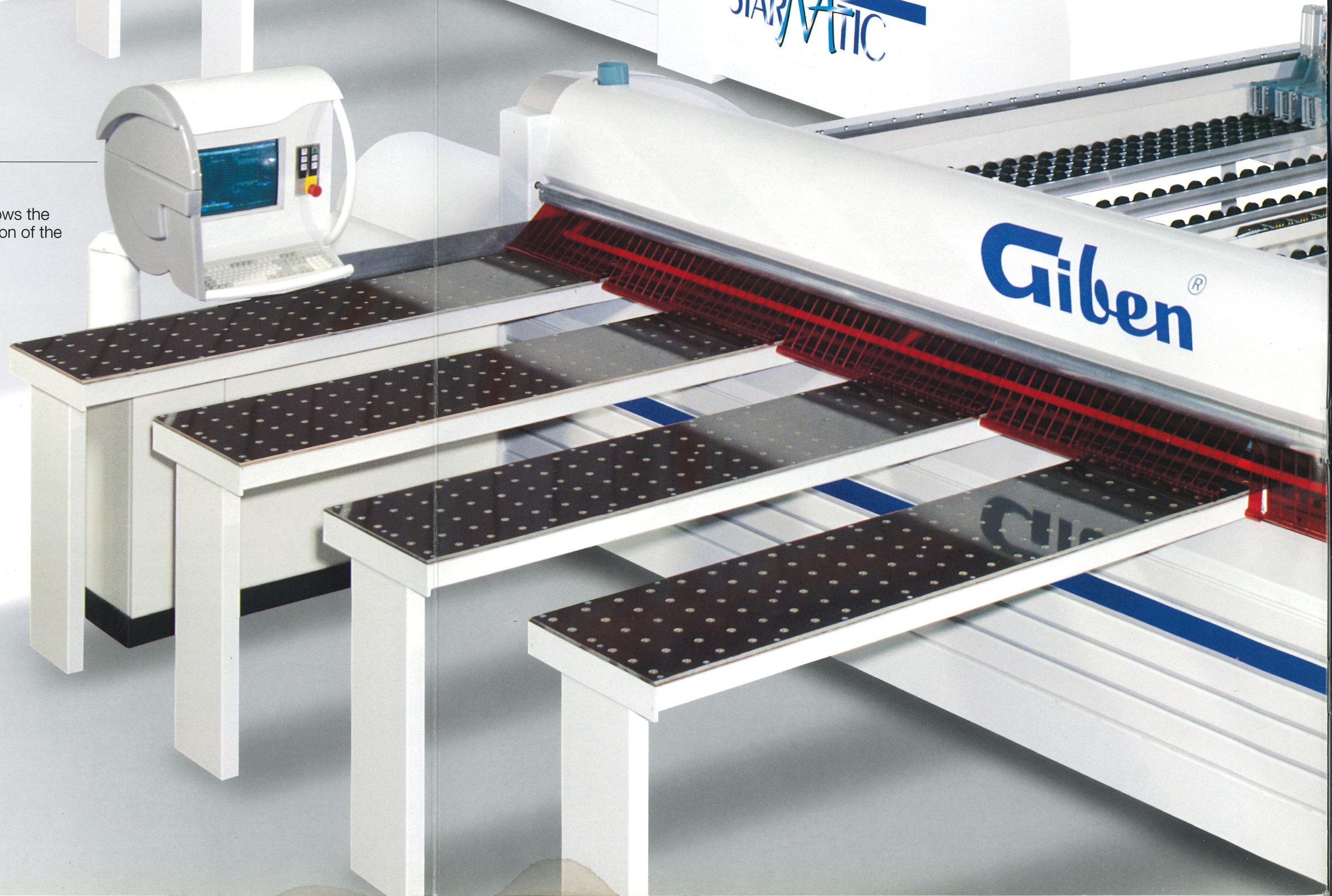
GIBEN, specialisation brings advantages.

GIBEN, having focused its efforts totally on panel sizing, has accumulated an immense amount of knowledge on the subject. This has enabled the company to provide designs and solutions which anticipate customers needs rather than relating purely to current demands. Today GIBEN is a strong industrial group with four manufacturing plants and nine sales subsidiaries. Giben Impianti, Giben America, Giben Australia, Giben Canada, Giben do Brasil, Giben Deutschland, Giben de España, Giben Scandinavia, Giben U.K. are proof of an important organisation, offering a guarantee to customers who trust in Giben's five decades of technological experience.

The picture shows the **STARMATIC G-DRIVE 2D**.

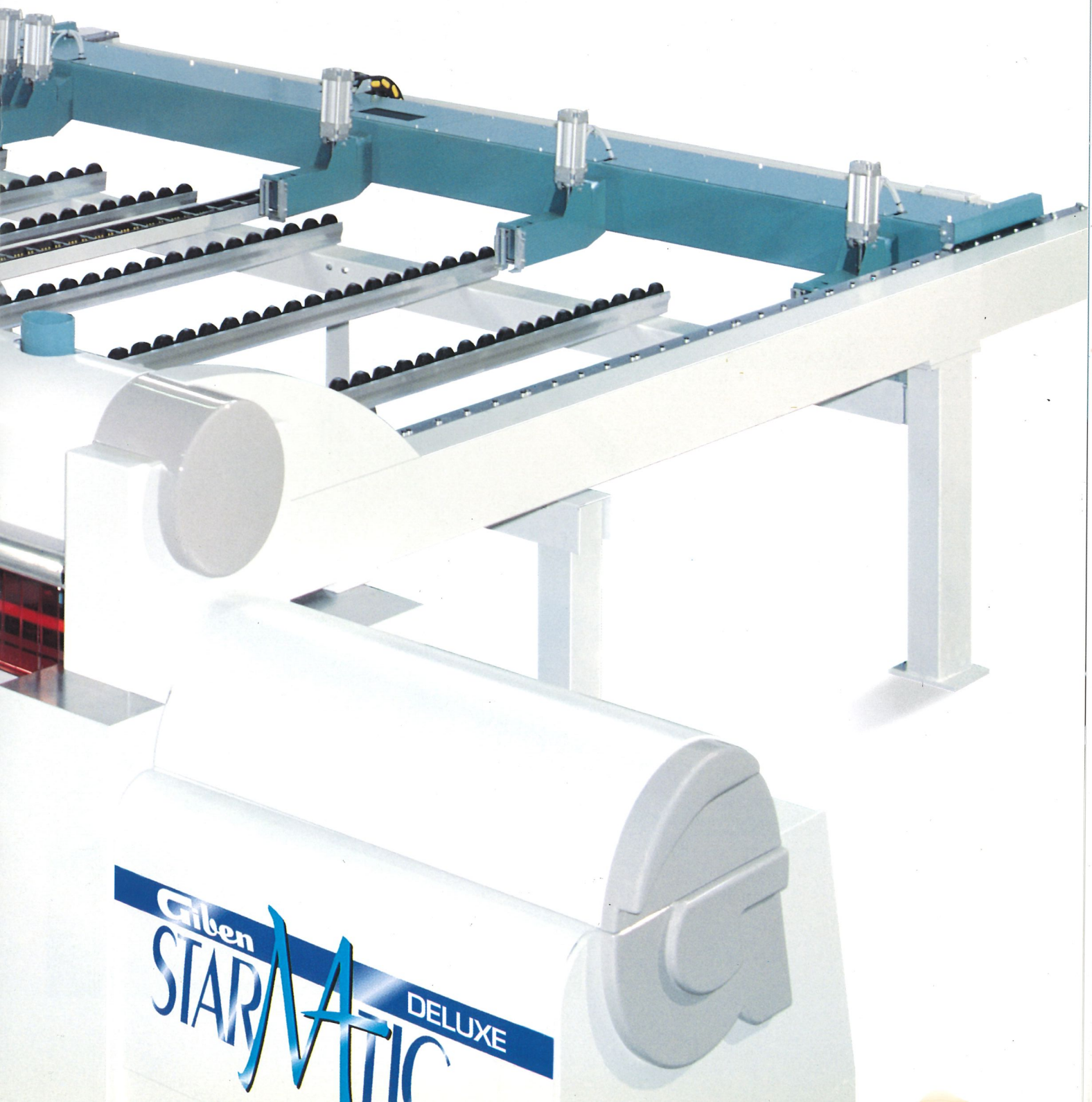


The picture shows the **DELUXE** version of the **STARMATIC G-DRIVE 2D**.

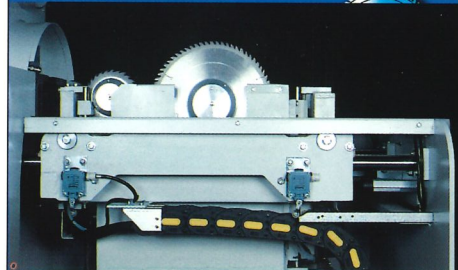


New STARMATIC panel sizing centre.

The STARMATIC version features front loading of the stacks and pusher with grippers. The grippers of the pusher equipped with double bottom floating appendices block the stack during the whole cutting cycle until the last trim cut is executed. Support tables under the pusher bar are equipped with roller modules to protect the board surface from any damage.

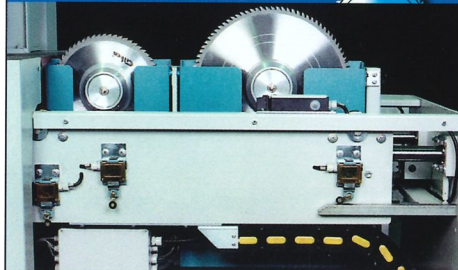


STARMATIC 850



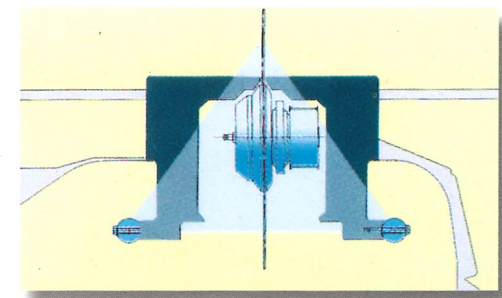
MAIN SAW BLADE PROJECTION	85-(100) mm
MAIN SAW MOTOR	7,5-(11) kW
SAW CARRIAGE FEED SPEED	1-80 m/min.

STARMATIC 1000



MAIN SAW BLADE PROJECTION	100-(115) mm
MAIN SAW MOTOR	7,5-(11-13,2) kW
SAW CARRIAGE FEED SPEED	1-100-(130) m/min.

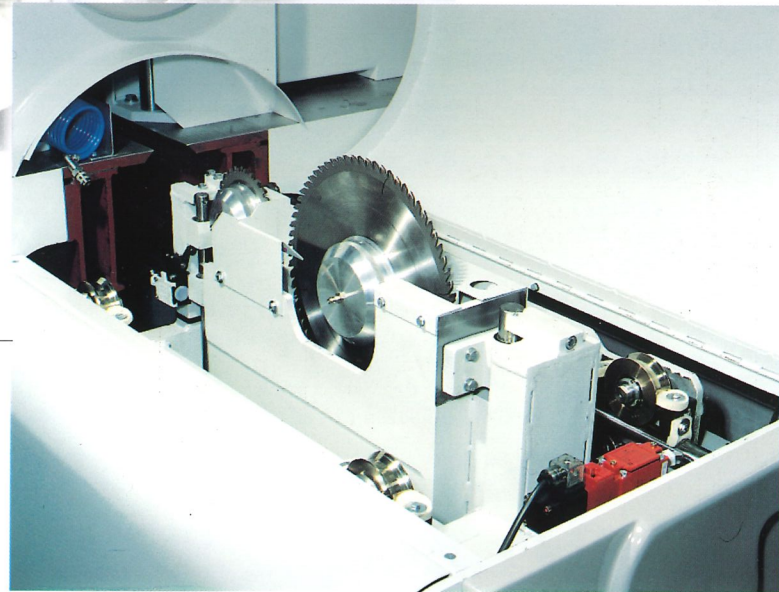
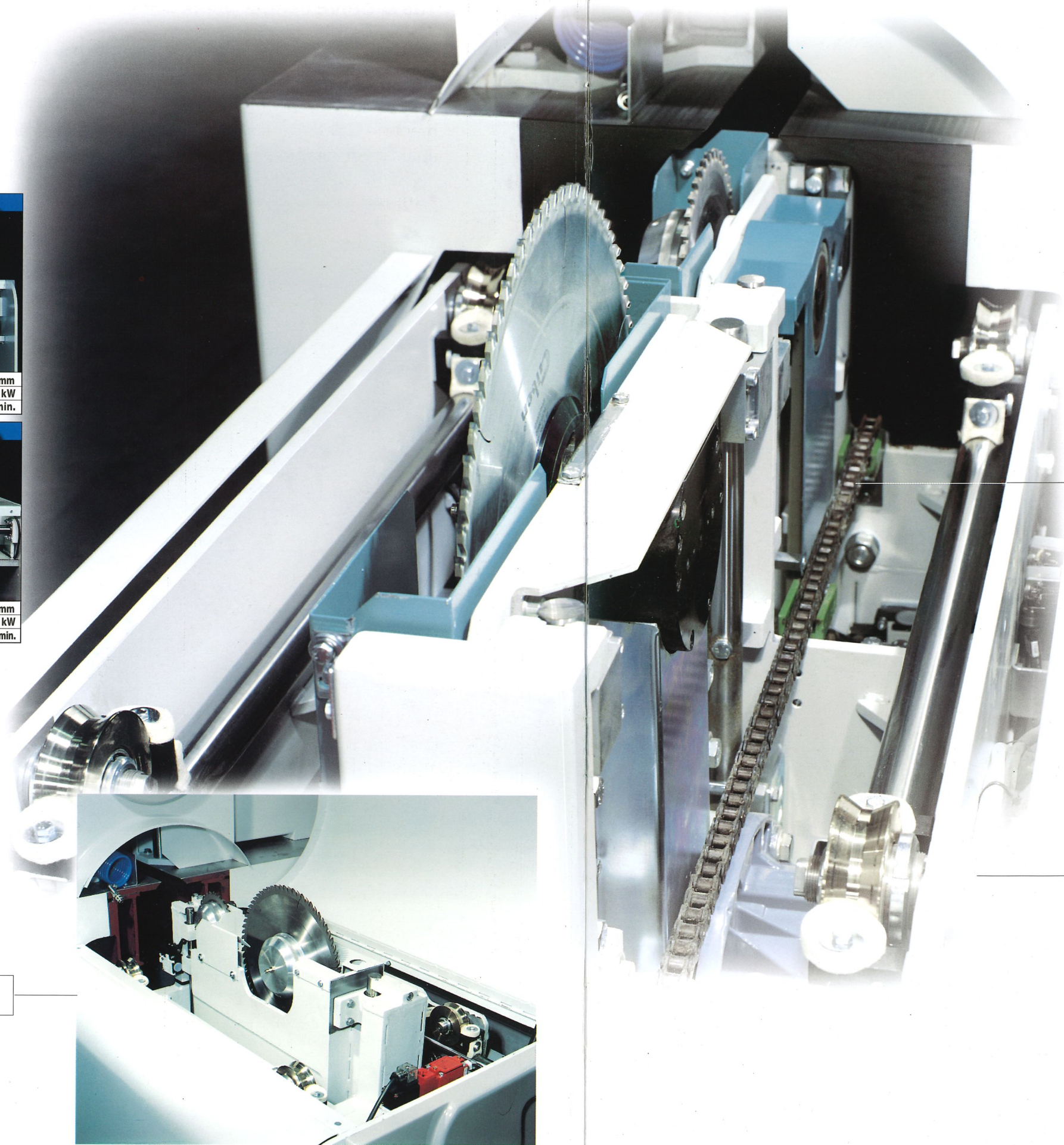
SAW CARRIAGE and "triangle shaped" guiding system that has been in use for more than 30 years on all GIBEN machines, guaranteeing sturdiness and maximum stability.



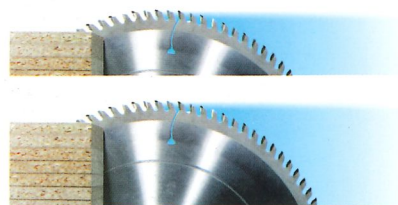
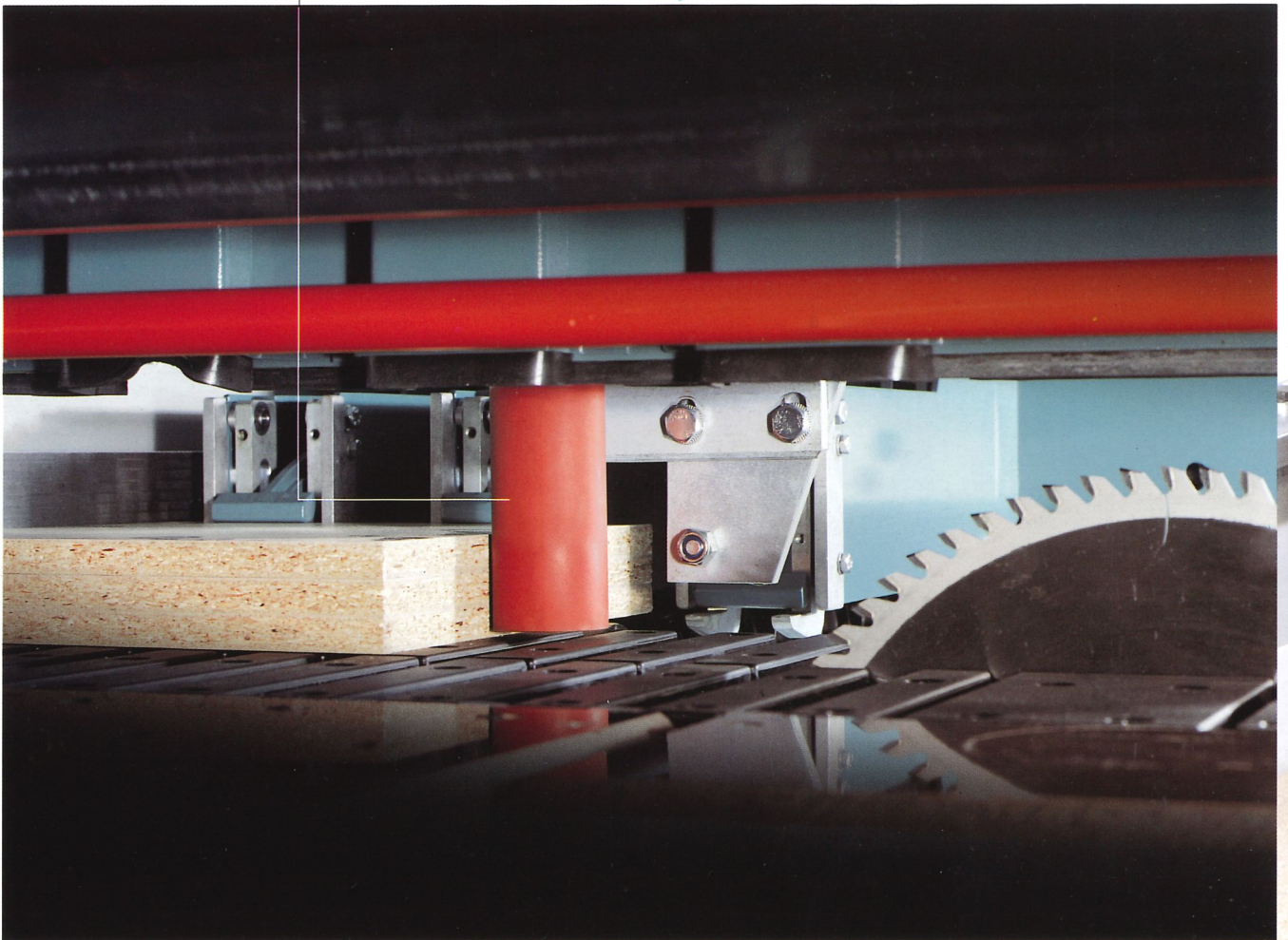
Vibration free continuous stroke. The drive chain slides on a supporting guide to avoid any side deflection. A special system keeps the chain automatically tensioned.

STARMATIC 1000

STARMATIC 850

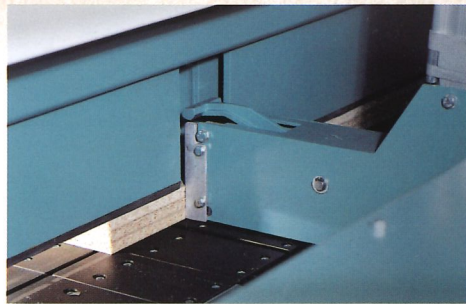
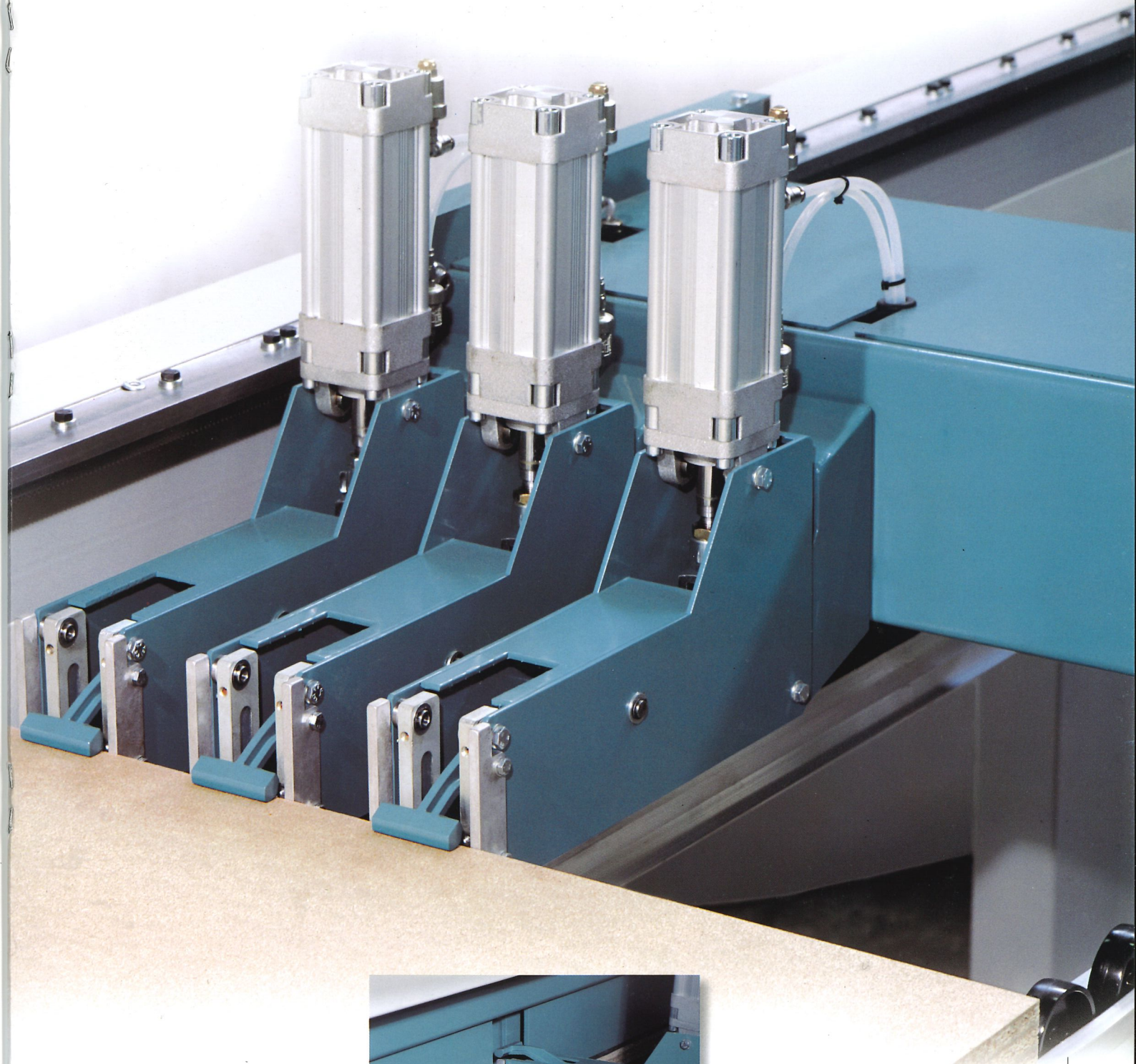


Automatic side aligning. This device keeps the stack of strips constantly aligned during the forward and reverse movement of the pusher and during the whole cross cutting cycle until the last trim cut.



Electronic saw blade adjustment according to the stack height.

Electronically controlled pusher with overhead side guides. The grippers on the pusher, fitted with double bottom floating appendices, keep the stack firmly in place during the entire cutting cycle until the last trim cut.

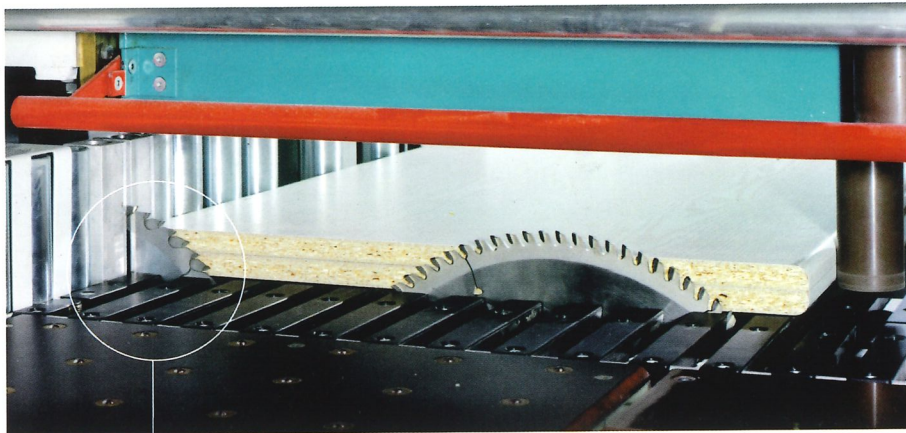


Pusher bed with rollers to avoid any damage to the board surfaces.

Blocking of the stack throughout the entire cutting cycle. During the last cut, the grippers hold the stack firmly until the pressure beam reaches its lowest position. This helps to prevent even the slightest uncontrolled movement of the stack.

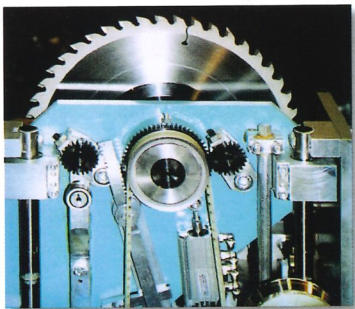
Accessories for the new STARMATIC range

GIBEN accessories are the key to a more personalized use of your beam saw by offering specific solutions to even the most diverse and demanding applications.



PF scorer on saw carriage

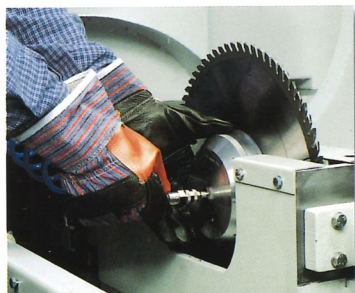
Jump scorer for the execution of chip free cuts of edge banded strips with square or rounded profiles (post and soft formed). A pre-cut of the profile is carried out during the cutting phase, significantly speeding up the cycle (STARMATIC 1000).



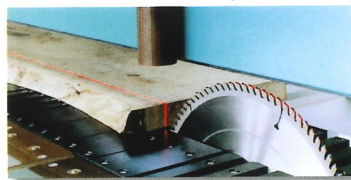
Electrical adjustment of score. Horizontal and vertical adjustment are made while the blade is in operation with digital setting (STARMATIC 1000).



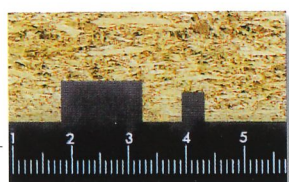
Mitre fence.



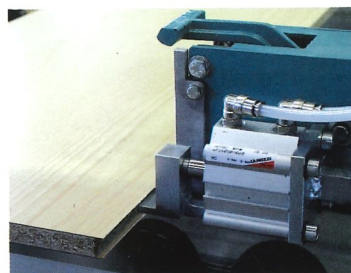
Quick pneumatic saw blade release (STARMATIC 850).



Laser light.



Groove cutting device with variable depths of cut programmed in automatic sequence (STARMATIC 1000).



System for cutting panels, with overhanging edges.

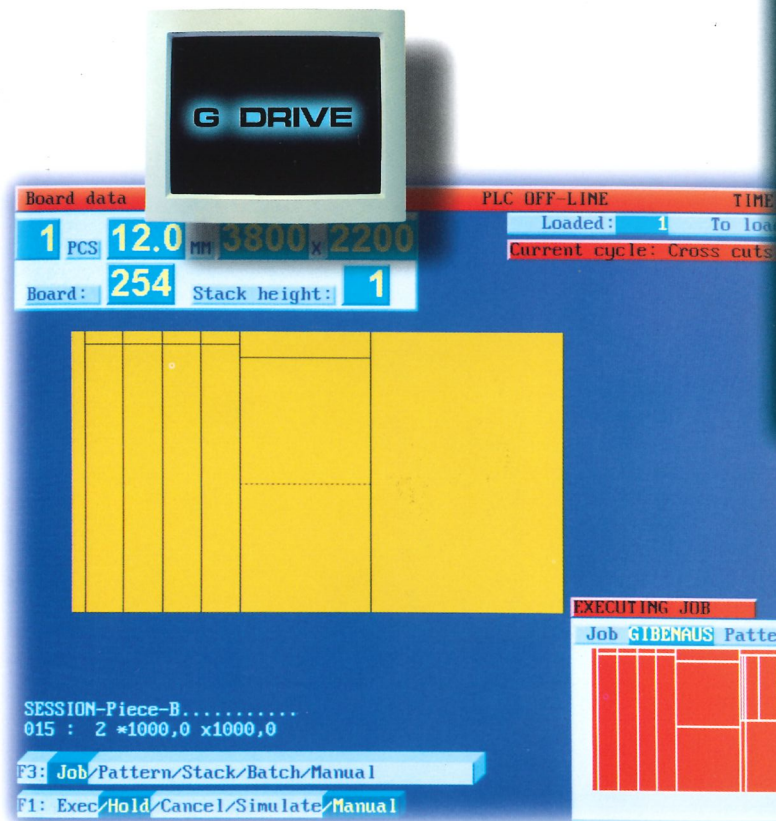
The G-DRIVE control works within a multitasking environment using an industrial standard PC for programming cutting patterns and for control of the machine. G-DRIVE's innovative feature is that the PC is used not just as the operator's interface (for programming and displaying cutting patterns, alarm signals, diagnostics, etc.), but also a direct control in real time of all the complex machine functions, leaving the PLC as a simple executional tool. Maximum automation; easy to programme; minimum cycle times; diagnostics; simulation; can be networked; colour monitor. Automatic on-line transmission of the cutting patterns (on request) using Giben's optimisation software, Optisave.



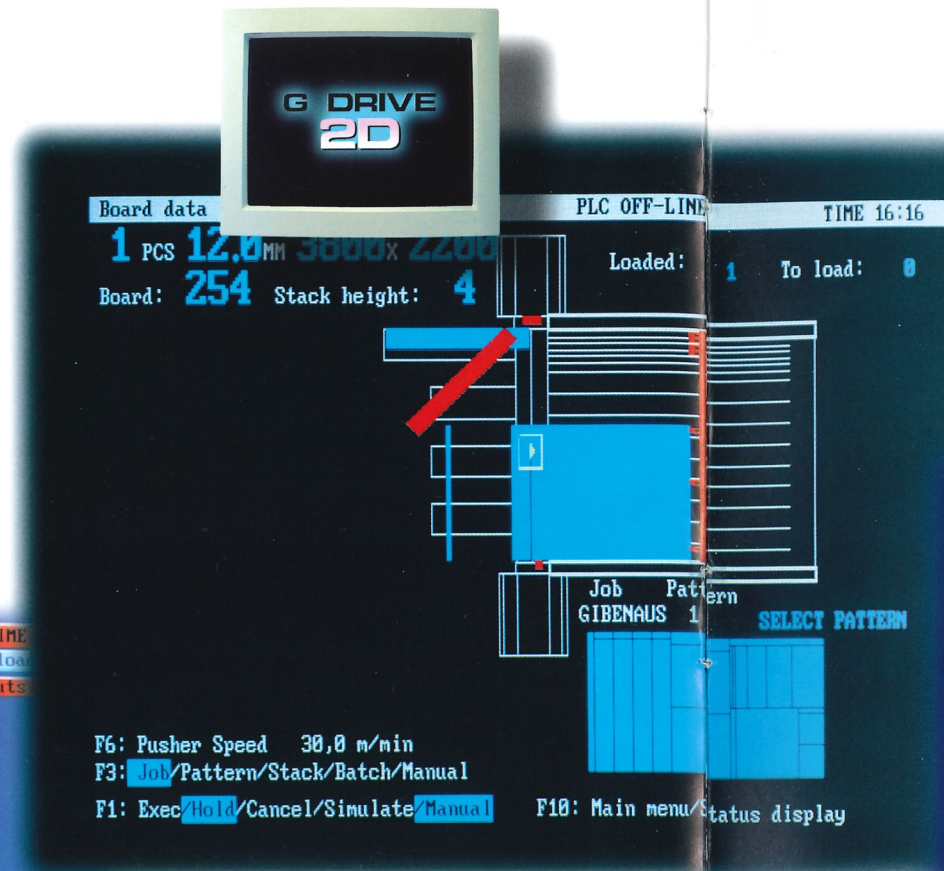
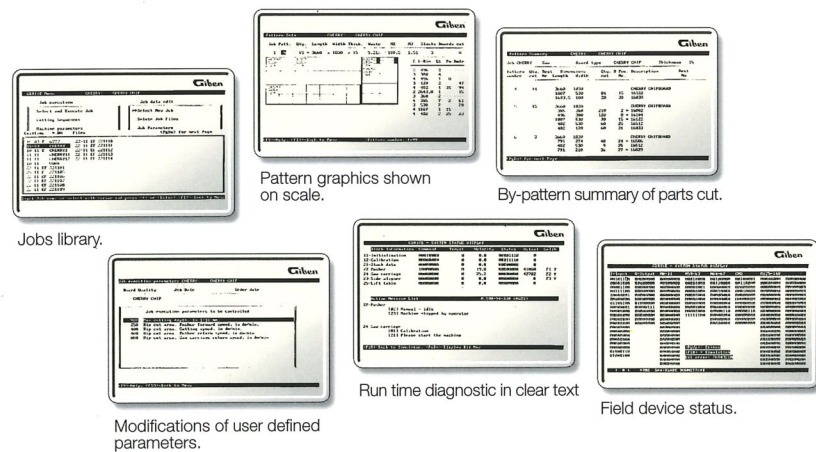
Easy access to the control panel. The control pad and the electronic programmer are positioned on a monitor on the left side of the machine. The monitor can rotate 180°.

Infrared remote control for cycle START/STOP (optional).

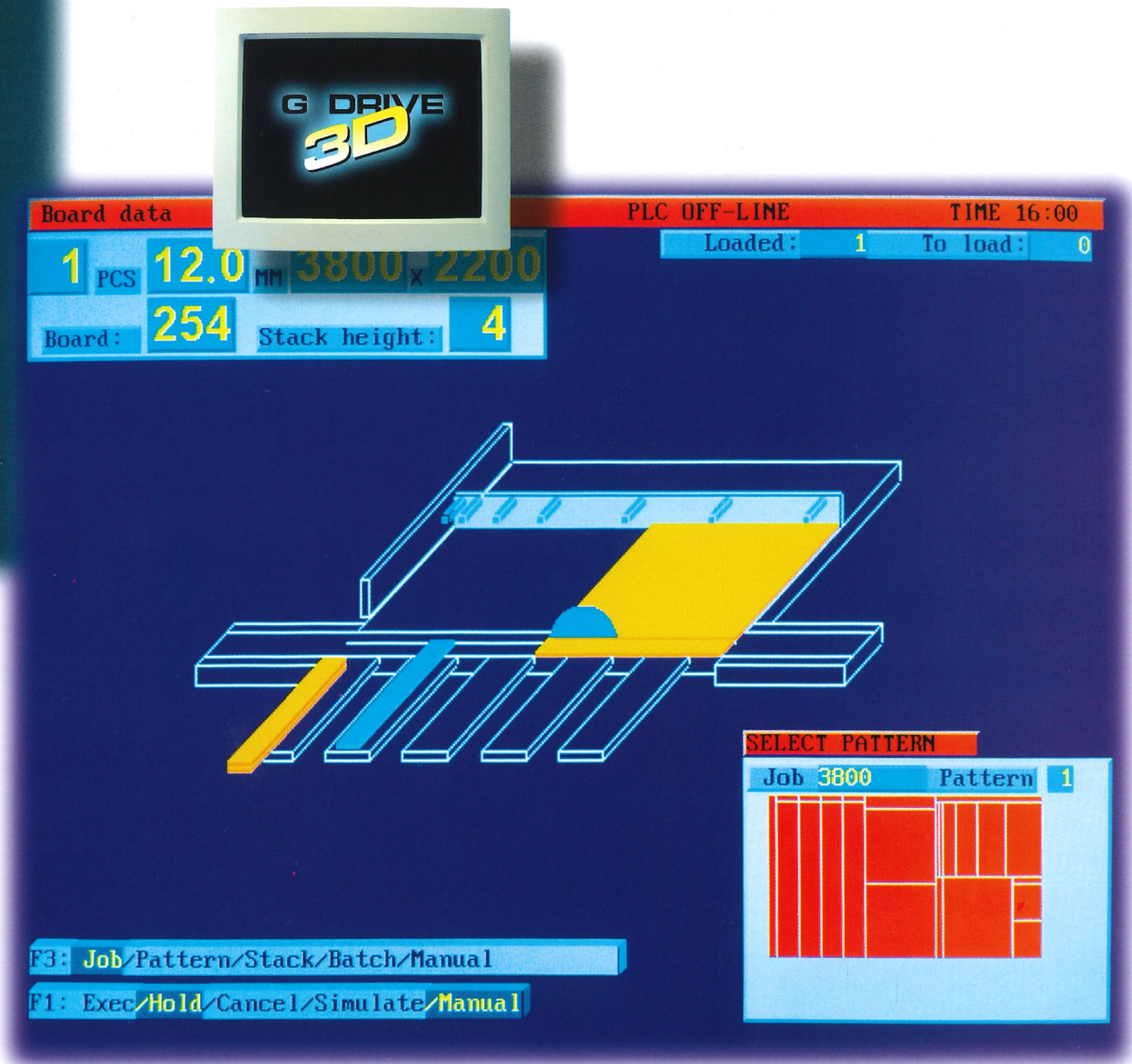




Software "R.T.G." with graphical display in scale of cutting patterns. During the cutting cycle it shows the parts being cut.



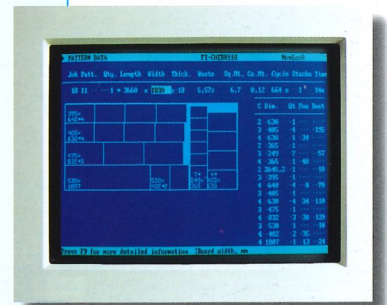
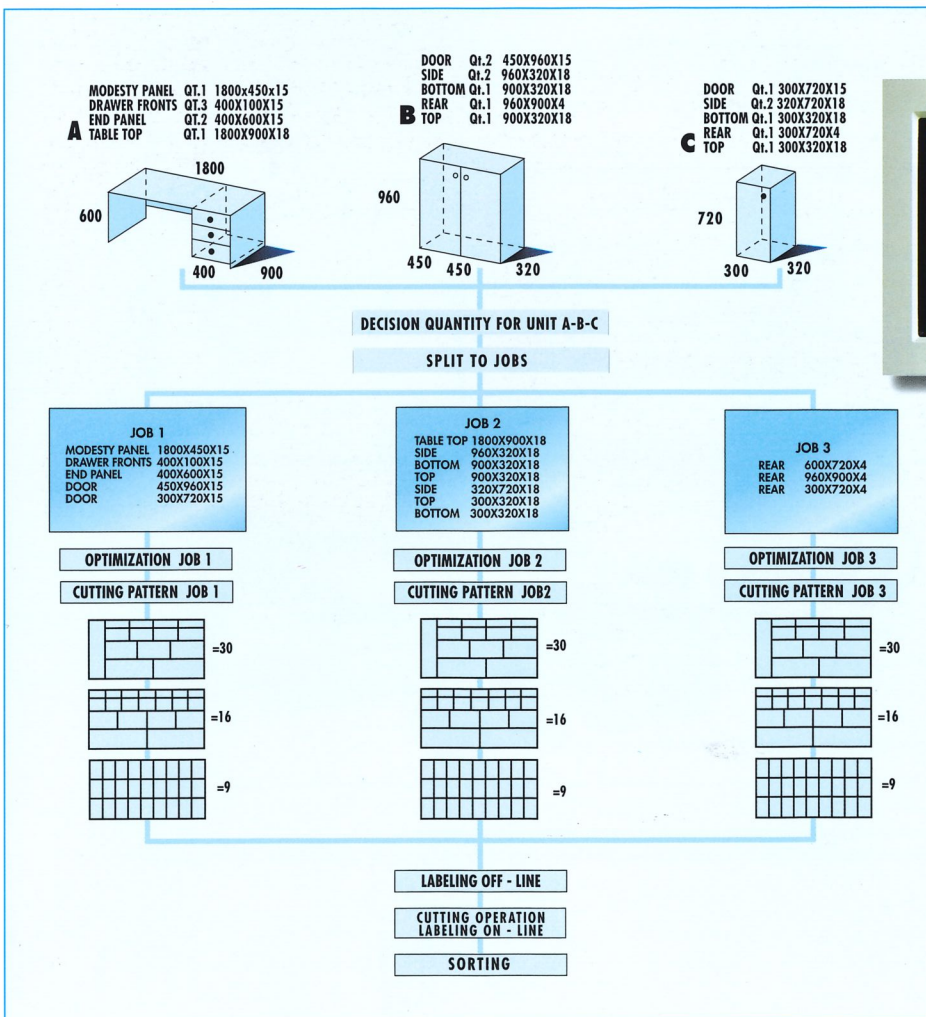
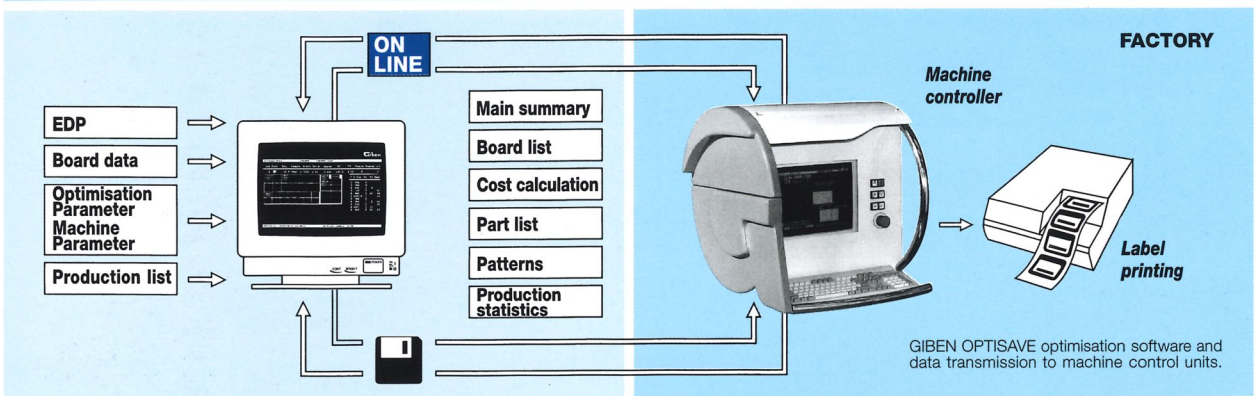
Software "R.T.G. 2 D" with bidimensional simulation of the machine cycles. The bidimensional layout of the machine and of the cutting pattern are displayed in scale. During the execution of the cutting cycle, the cutting operations and boards movements are simulated in real time.



Software "R.T.G. 3 D" with tridimensional simulation of the machine cycles. The tridimensional layout of the machine and of the cutting pattern are displayed in scale. During the execution of the cutting cycle, the cutting operations and boards movements are simulated in real time.

OPTISAVE

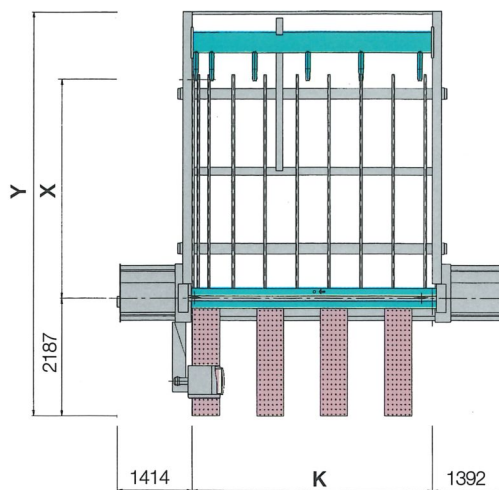
OPTISAVE, Giben's optimisation software, is a perfect example of Giben's implementation of advanced technology. Optisave provides the best yield cutting patterns, taking into consideration the waste factor, the cost of running the saw, cutting time and the cost of the material being cut. Window menu - on-line connection with the main computer and the machine controller - can be networked - batch processing - label printing in processing order with a bar code - control rest parts of stock records - re-use of rest parts for optimisation - "door" and "strip" optimisation - downloading management - cost calculation.



STARMATIC

K	X	Y
3300	3350	6810
3800	3350	6810
	4100	7560
4500	4100	7560
	4550	8010

Giben®



Technical specifications	STARMATIC 850		STARMATIC 1000	
	Hz 50	Hz 60	Hz 50	Hz 60
Saw projection	85-(100) mm	3,3"-(3,9")	100-(115) mm	3,9"-(4,4")
Saw carriage				
● feed speed	1+80 m/min.	3+262 ft/min.	1+100-(1+130) m/min.	3+328-(3+427) ft/min.
● return speed	80 m/min.	262 ft/min.	100-(130) m/min.	328-(427) ft/min.
Main saw				
● motor	Ø 360-(400) mm. 7,5 - (11) kW	Ø 14,2"-(15,7") 9 - (13,2) kW	Ø 400-(430) mm. 7,5 - (11-13,2) kW	Ø 15,7"-(17") 9 - (13,2-16) kW
Scoring saw				
● motor	Ø 160 mm. 1,1 kW	Ø 6,3" 1,3 kW	Ø 215 mm. 2,2kW	Ø 8,4" 2,6 kW
Pusher traverse				
● fast feed (*)	1+60 m/min.	3+197 ft/min.	1+60 m/min.	3+197 ft/min.
● return (*)	60 m/min.	197 ft/min.	60 m/min.	197 ft/min.
Dust extraction				
● air speed	30+35 m/sec.	98+115 ft/sec.	30+35 m/sec.	98+115 ft/sec.
● dust extraction outlets	Ø 200 mm Ø 115 mm	Ø 7,8" Ø 4,5"	Ø 200 mm Ø 115 mm	Ø 7,8" Ø 4,5"
Compressed air				
● pressure	5+6 bar	5+6 bar	5+6 bar	5+6 bar
● consumption	20+30 l/min.	20+30 l/min.	20+30 l/min.	20+30 l/min.

(*) The feed speed of the pusher can be modified. The value stated above corresponds to a parametric data set during running tests. The data may vary country by country in relation to safety requirements.

STARMATIC is equipped with devices which ensure that European safety standards (CE mark) are respected completely. In order to meet European safety standards the machine must be supplied with safety guards.



MACHINES AND TECHNICAL DATA MAY VARY COUNTRY BY COUNTRY IN RELATION TO SAFETY REQUIREMENTS. WE RESERVE THE RIGHT TO MAKE MODIFICATIONS WITHOUT PRIOR NOTICE PROVIDED THE OVERALL CAPACITY AND VALUE OF THE EQUIPMENT REMAIN UNCHANGED.

Giben®

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