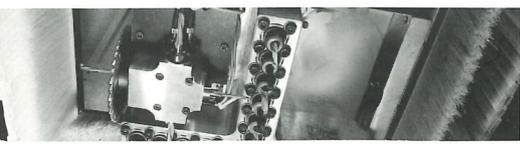
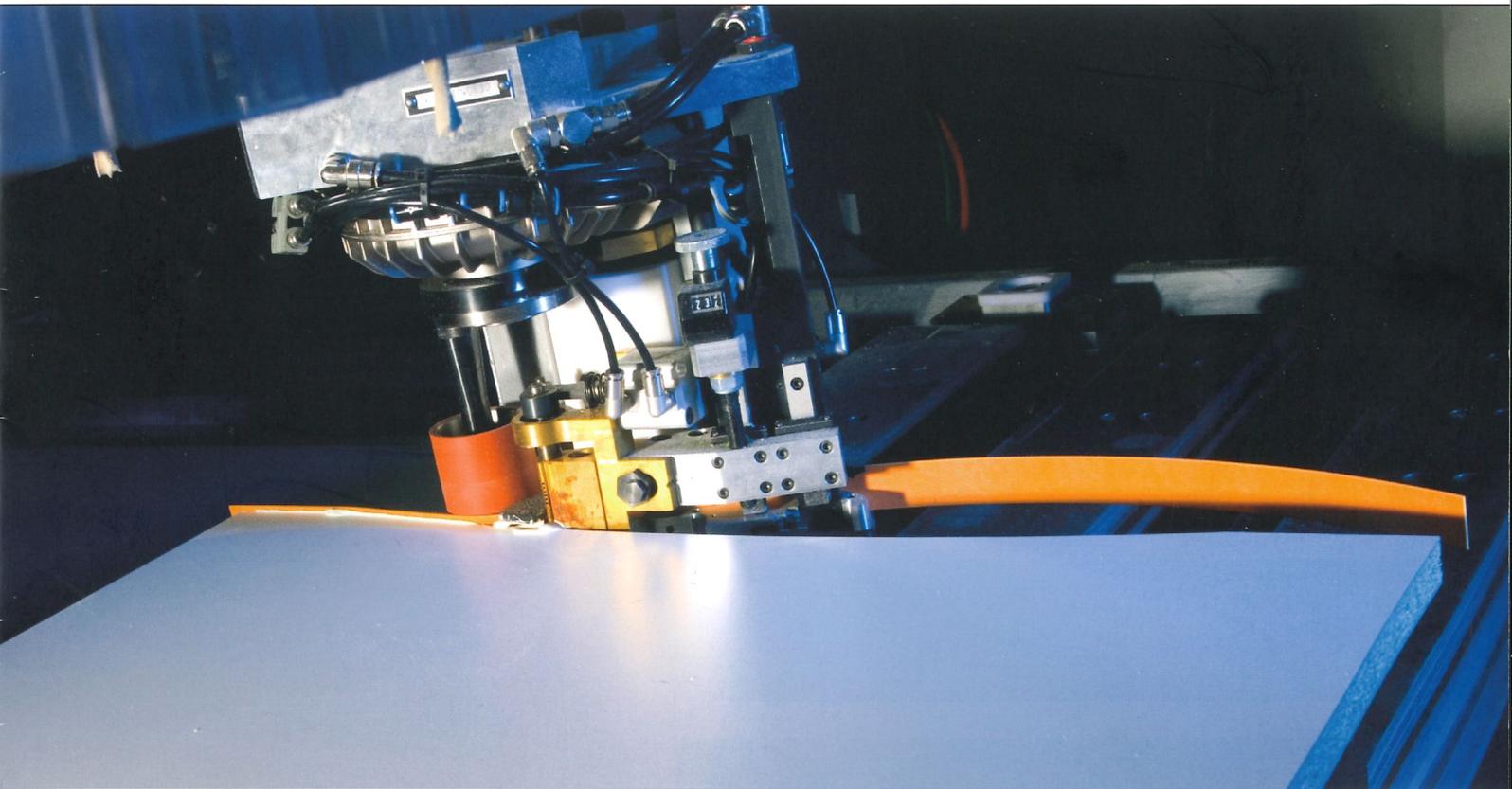


Processing Centers

Venture 20/22

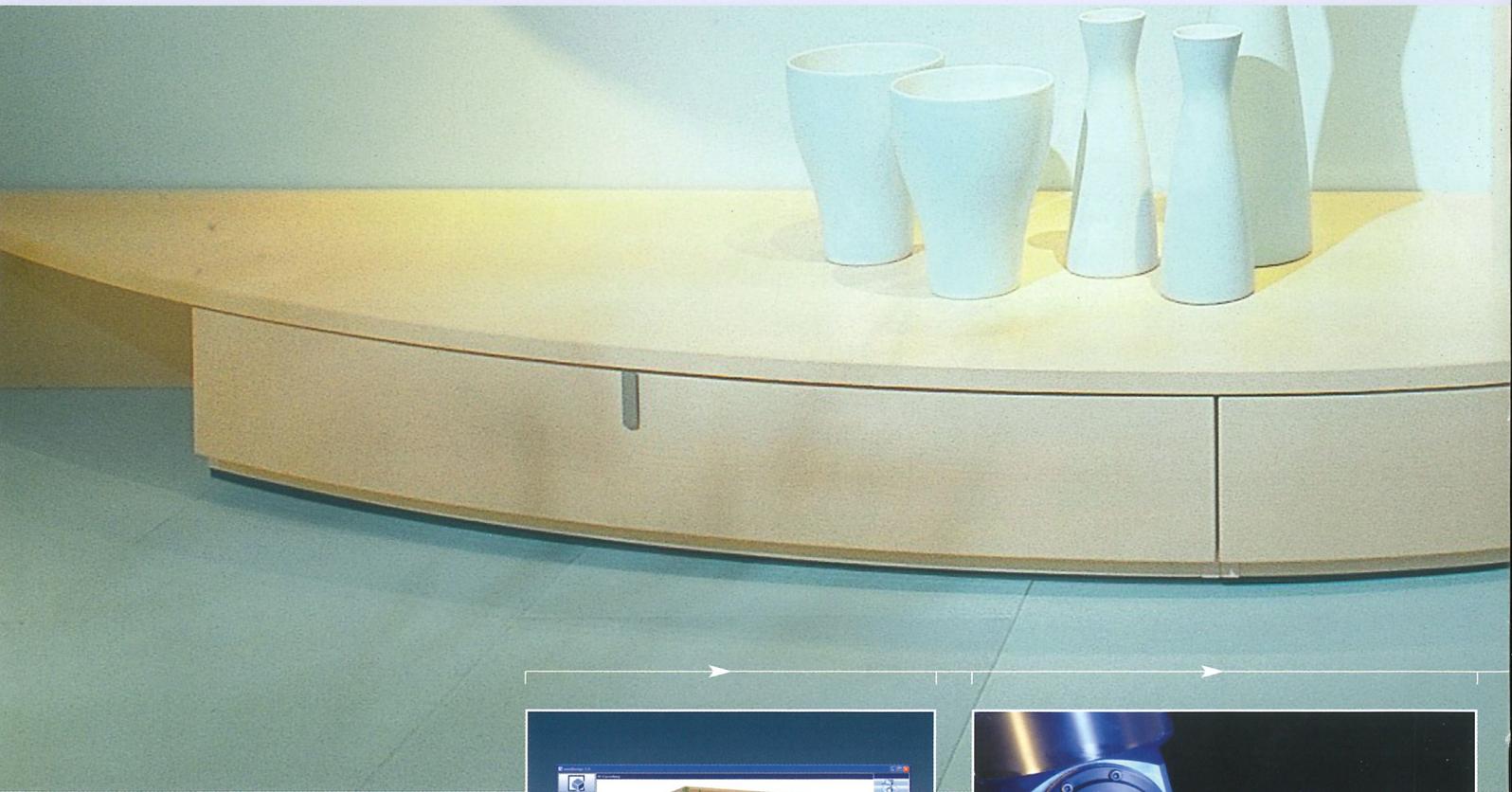




Venture 20 and Venture 22 –

Alongside versatile routing functions, the compact Venture 20 and Venture 22 processing centers offer a range of unique additional functions:

- Edge banding with exchangeable gluing units (patented)
- FLEX5 unit with automatic angle adjustment (patented) for trimming and drilling operations, e. g. for shift cuts
- Entry into nesting technology (panel dividing) with the matrix adapter plate
- Sanding, traced profiling etc., by exchanging a wide range of available units into the 11 kW working spindle
- High-speed drilling operations including groove sawing with the high-speed drilling head



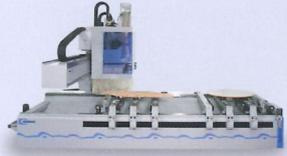
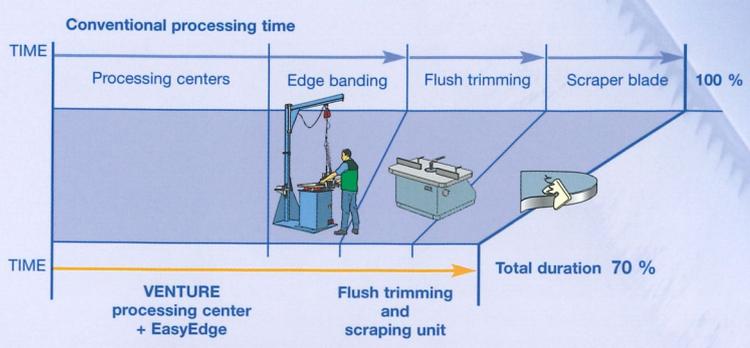
- Comprehensive software package:
- Extra woodWOP software licence for office workstation including data transfer to DXF format (CAD)
 - woodDesign – the graphic furniture design software for box furniture
 - MDE Basic – machine data acquisition for production cost optimization



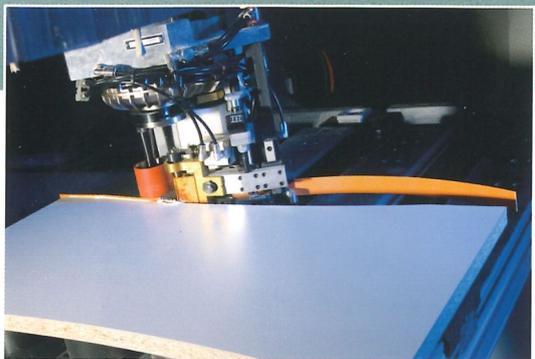
- Highly flexible FLEX5 sawing and drilling unit for five-axis processing
- Shift cuts fit right from the first go
 - Drill holes at "any" angle
 - Lamello grooves on "every" level

FLEX5

precision down to the last detail



Precisely tailored to the needs of an universal production. With the EasyEdge gluing unit you will save space and time. Edge by edge, to an exemplary standard of quality.



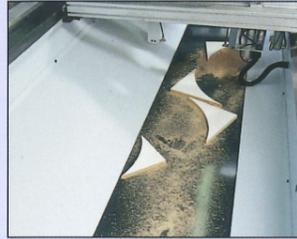
The fast, reliable way to achieve your finished furniture product. All in a day's work for Venture machines 20 and 22.

EasyEdge gluing unit for efficient edge banding even with small batch sizes. Universal application for:

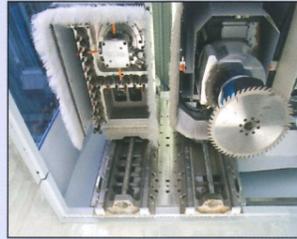
- ABS edges
- PVC edges
- Veneer edges



High-End Features – all inclusive



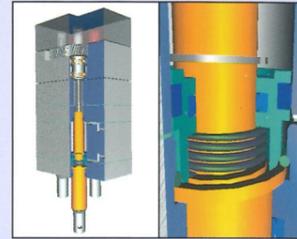
Highly rigid machine bed with integrated waste piece disposal over entire processing depth of 1,300 (Venture 20) / 1,600 mm (Venture 22). No waste pieces drop in front of the machine (optionally with chip conveyor belt)



Two separate Z axes for the working spindle and drilling head permit fast alternating use of the working spindle and drilling head



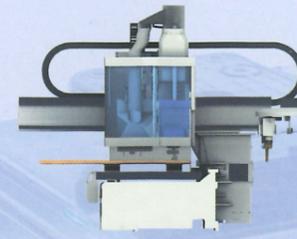
HIGH-SPEED drilling head 7,500 with 17 vertical spindles, grooving saw and four horizontal spindles with 0/90° swivel facility. Ideal for fast drilling operations and grooving without tool changes. For use over the entire processing depth of over 2,000 mm



Automatic spindle clamping: patented system for precise drilling depth every time even with different materials



Fast plate changer with 12 generous slots for tools and units with a diameter of up to 180 mm



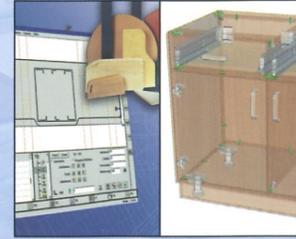
The compact, transparent safety cover allows oversized workpieces to project beyond the machine bed



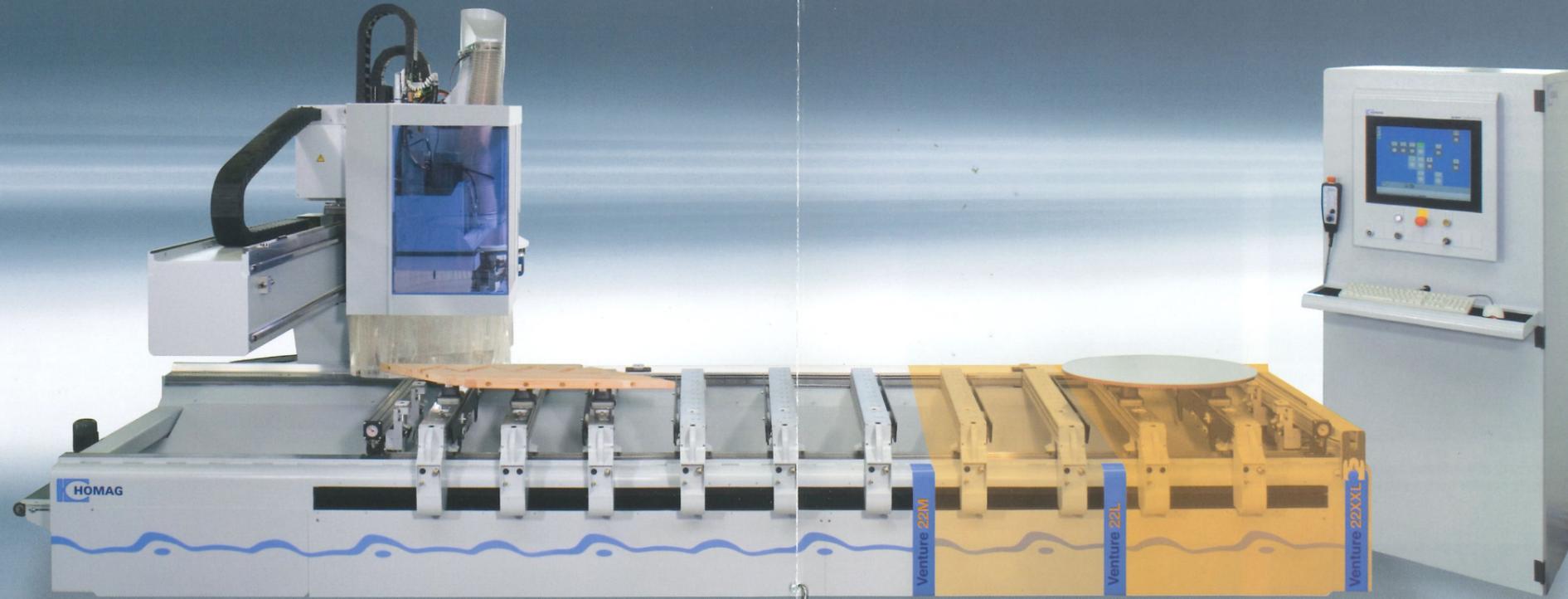
The patented electronic interface permits the use of exchangeable EasyEdge and PowerEdge edge banding units for perfect edge banding onto shaped components. Top class edge finish by means of finish processing units. HOMAG – experience gathered over thousands of successful installations working for your benefit



Unadulterated flexibility – the integrated FLEX5 interface can be retrofitted at any time with automatic angle adjustment. A unique feature for the precise execution of shift cuts or drilling and trimming operations at “any angle” without the need for manual setting work



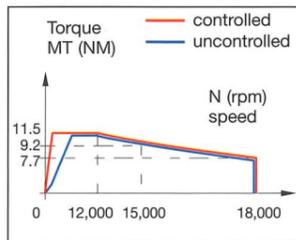
woodWOP 5.0: The world’s most frequently used programming system with woodDesign as a 3D design tool for a “short-track” route from the drawing to the finished machine program



Stop bolts with hinging stop plates for coated workpieces with overhanging cover layer. Complete with stop bolt end position monitoring to safeguard against damage to tools and units



Interpolating C axis 360°: to allow units to be rotated at any optional angle, including compressed air transmission to the units (e. g. for cleaning away chip residues by air jet or for traced processing operations)



Working spindle (11 kW) with controlled spindle speed 0-18,000 rpm for extreme torque even at low speeds, for example when sanding. A spindle sensor takes care of optimum protection of the working spindle, for instance in case of tool unbalance.



Working table with six consoles and precise linear guides ensuring optimum workpiece clamping for heavy-duty hogging operations



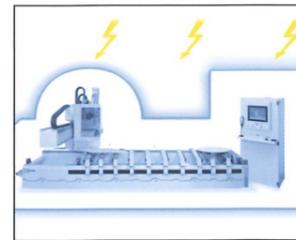
Durable insertion aids for support of heavy workpieces



LED displays for fast, simple positioning of vacuum clamps and consoles



power control system PC 85: with swivel-mounted control panel for simple machine operation using features such as the graphic tool database and machine data acquisition (MDA)



Uninterruptible power supply (UPS) to prevent data loss in case of power failure and mains voltage fluctuations

Ingenious extras for unlimited production scope

A wise investment in the future: The Venture grows flexibly step by step with your requirements.

For other applications, please apply for our processing unit and clamping fixture catalogue.



7471

Tool transfer station, reliable, fast loading of the tool changer including empty slot interrogation in the tool changer



7519

2-spindle sawing/drilling unit: for grooving, drilling and sawing (also for mitre cuts). As sawing/snipping unit (7513) with cutting depth up to 110 mm



7523

4-spindle drilling/trimming unit: for trimming and drilling work with different tool diameters



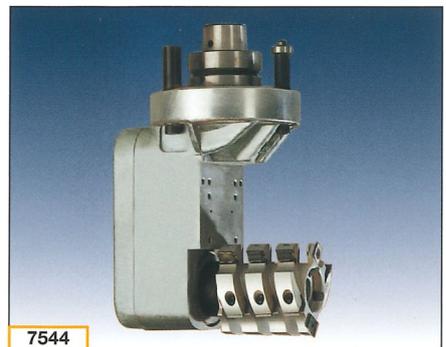
7529

Lock case trimming unit: with 2 spindles for horizontal trimming with integrated cleaning air jet for chips



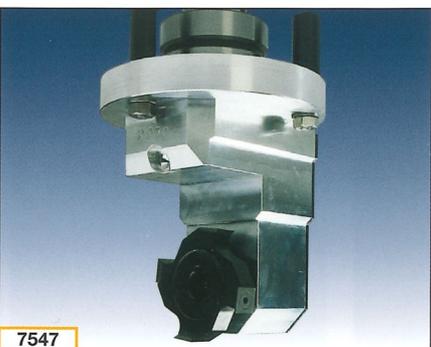
7535

Vertical trimming unit with tracing ring: e. g. for highly precise work surface joints



7544

Horizontal trimming unit for heavy-duty trimming work: e. g. for staircase handrail processing



7547

Corner snipping unit: for precise recesses in doors or work surfaces



7549

Sanding unit with cleaning air jet: Guaranteed perfect for solid wood coupled with a long service life



7568

FLEX5 unit with automatic angle adjustment (patented) for trimming and drilling operations (for shift cuts)

FLEX5

Durable solutions

Venture machines 20 and 22 stand for maximum future and investment security. Because they grow step by step with your changing requirements, they can be simply upgraded with new processing and adapter units at any time, making them ideally equipped to tackle new challenges. Economy in a minimum of space as a result of:

- Compression of work steps
- Reduced transport times and transport damage
- Reduced delivery periods
- Improved quality due to automatic sequences
- Data transfer from e. g. CAD systems, cutting down on necessary preparatory work prior to production

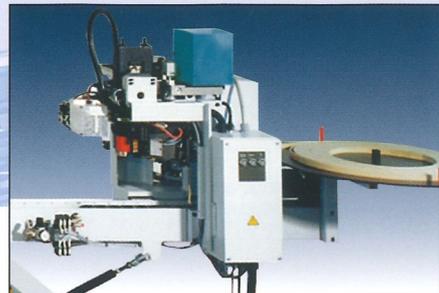
PowerEdge gluing package 7620 with combi-trimming and scraping unit and single snipping station



The PowerEdge gluing unit offers perfect all-round gluing with a feed rate of up to 20 m/min.



Top-quality results – the traced combi-flush trimming scraping unit which makes use of the drive system, the C axis and the pneumatic system produces stunning edge appearance. Once again, technology developed and patented by HOMAG



Added convenience is provided by the pick-up station with single rough snipping unit – the best solution for efficient processing of coil material

EasyEdge gluing package 7623



EasyEdge gluing unit for efficient edge banding on shaped components. Naturally also contained in the combi-flush trimming scraping unit package

Other options

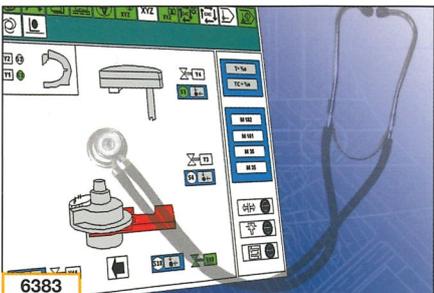


Maxi-Flex clamping system for flexible shaped component clamping

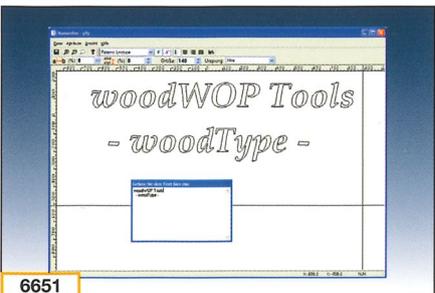


Hoseless vacuum clamp for frame components

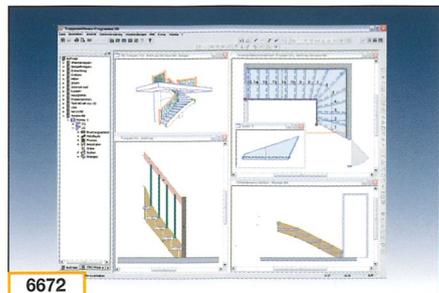
Other options



woodScout: The system permits systematic, fast troubleshooting and results in a substantial increase in machine availability



woodWOP Tools: Software tool package for nesting (cutting waste optimization for shaped components), programming of engravings and file management using a browser

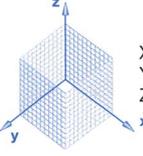
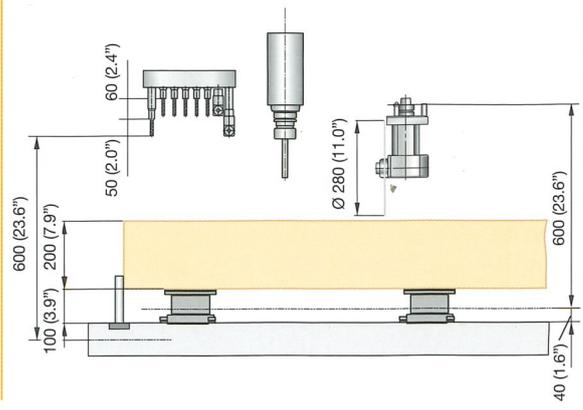
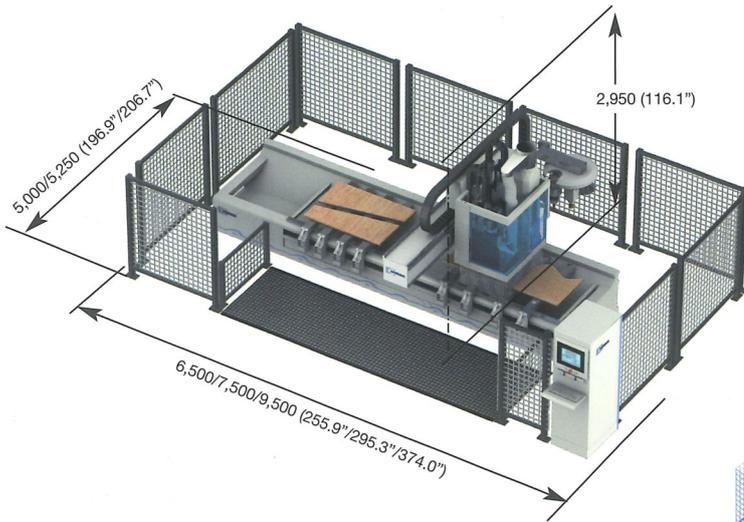


woodStairs: Staircase software for the design of staircases including data transfer to the Venture

HOMAG software products – everything from a single, reliable source.

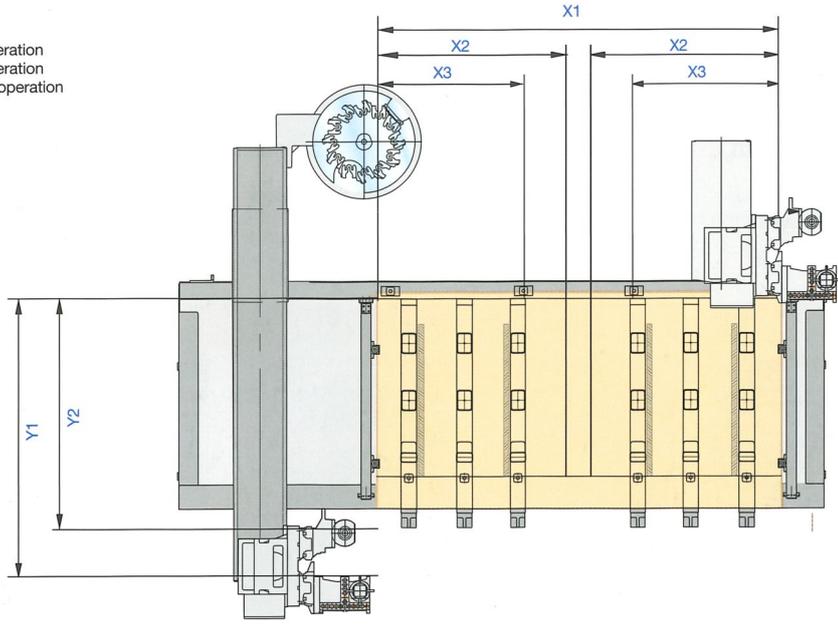
For additional software packages, please request our brochure "Software for processing centers".

Specifications **Venture 20/22**



X: 3,500/4,500/6,500 (137.8"/177.2"/255.9")
 Y: 2,145/2,445 (84.4"/96.3")
 Z: 600 (23.6")

X1 = single operation
 X2 = 2-fold operation
 X3 = alternate operation



	X1	X2	X3	Y1	Y2
Venture 20M	3,225 mm (127.0")	1,475 mm (58.1")	1,075 mm (42.3")	1,870 mm (73.6")	1,550 mm (61.0")
Venture 20L	4,175 mm (164.4")	1,950 mm (76.8")	1,550 mm (61.0")		
Venture 20XXL	6,175 mm (243.1")	2,950 mm (116.1")	2,550 mm (100.4")	2,170 mm (85.4")	1,850 mm (72.8")
Venture 22M	3,225 mm (127.0")	1,475 mm (58.1")	1,075 mm (42.3")		
Venture 22L	4,175 mm (164.4")	1,950 mm (76.8")	1,550 mm (61.0")		
Venture 22XXL	6,175 mm (243.1")	2,950 mm (116.1")	2,550 mm (100.4")		

Specifications and photos are not binding in every detail. We reserve the right to make changes in the interests of further development.

A member of the HOMAG Group



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