

Processing Centres

Vantage 12L/14L

Nest & More



Vantage 12L/14L - More than just nesting

With its heavy duty machine bed and highly rigid extension arm, the Vantage 12L and 14L provide the basis for wide-ranging different applications. The unique aluminium matrix table offers enormous scope for secure, high-speed clamping of different workpieces. Whether for nesting large-format panels up to 1,850/3,700 mm (Vantage 14L) or for heavy-duty trimming of stair treads.



Comprehensive software package, like e. g. woodNest Basic and woodDesign



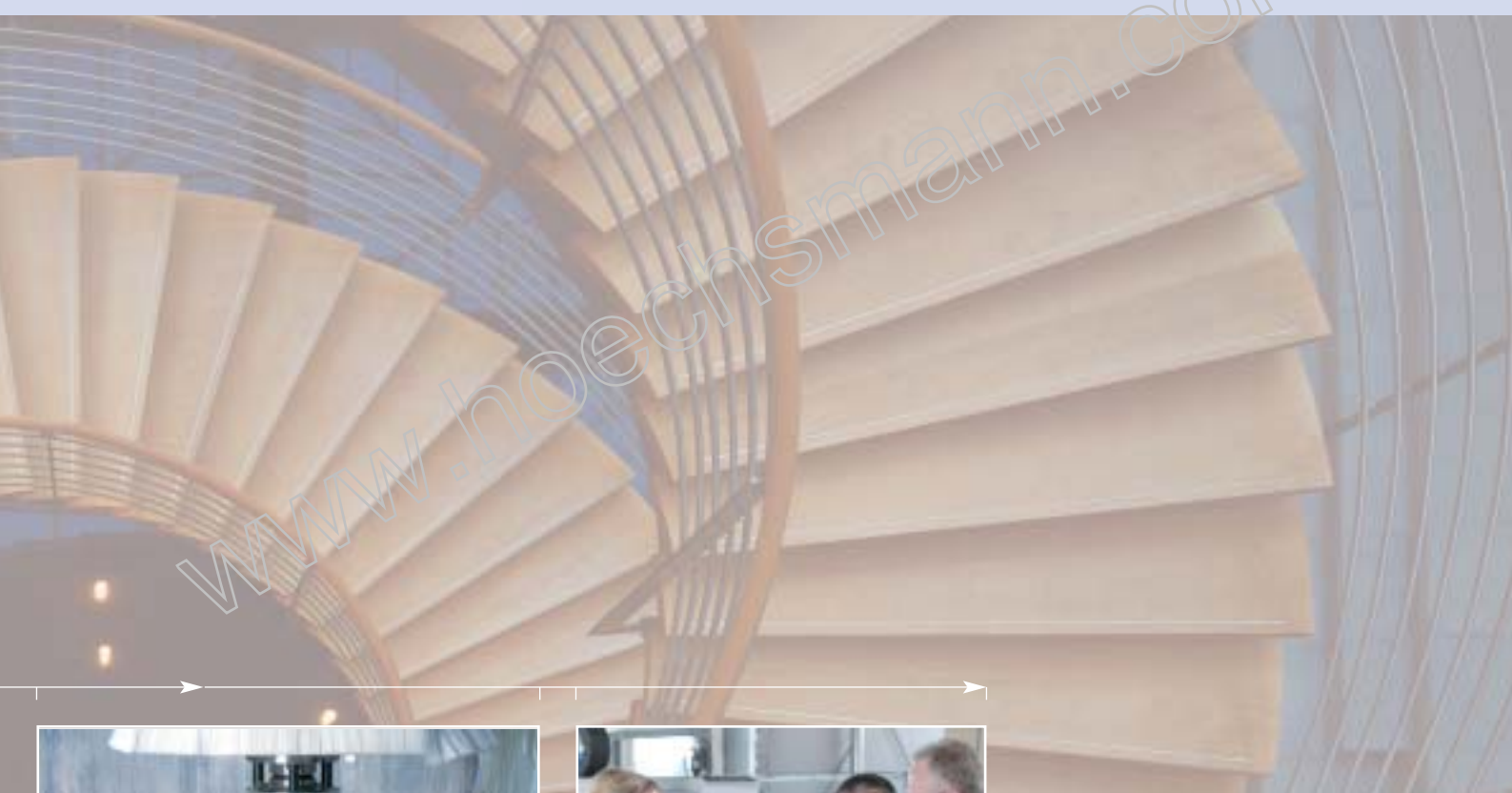
Highly flexible FLEX5 sawing and drilling unit for five-axis processing



Durable solutions

An intelligent machine concept makes the Vantage 12L and 14L the ultimate future-proof, secure investment. Not only do they grow in step with increasing requirements, they can also be simply upgraded at any time from a wide range of processing and adapter

units to equip them for new tasks: Sizing, profiling, drilling, grooving or dividing – whatever your order books dictate. This model will replace several single-purpose machines, providing a complete solution which will save you not only space, but hard cash too – not just now, but in the long term.



The fast, reliable route to your finished product, with the Vantage 12L and 14L it is no problem.

Vertically traced trimming unit for highly precise processing of, for instance, furniture fronts

Standard equipment features – point for point ahead of



1 Highly dynamic rack and pinion drives for optimum processing quality even with high feed rates and hogging forces



2 Work area of X = 3,700 mm and Y = 1,550 (Vantage 12L) or Y = 1,850 mm (Vantage 14L) with a processing height of 210 mm



3 Aluminium matrix table with dovetail profiles for positive locking, flexible fixture of clamps



4 1" vacuum connections with quick-action opening using a switch cabinet key, vacuum openings with fine thread for fixture of clamps



The optional feeder TBA 330 transforms any Vantage into a finished production cell.



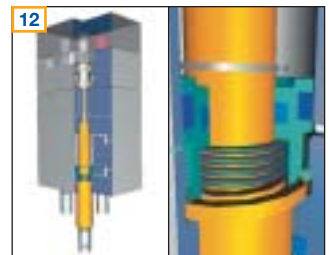
9 Interface for the FLEX5 five-axis unit



10 Fast plate changer (coupled motion in the X/Y direction) with 10 generous slots for tools and units with diameters up to 190 mm



11 HIGH-SPEED drilling head 7500 featuring 9 vertical spindles and 4 horizontal spindles. Ideal for fast processing during tool changes



12 Automatic spindle clamping: patented system for precise drilling depths every time – even when working with different materials

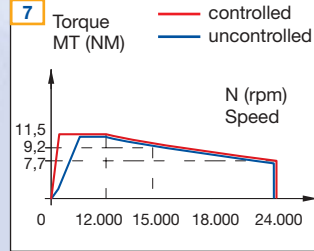
the field



5 Stop dogs for simple, secure positioning of workpieces, also for alternating processing



6 Vacuum pump with 500 m³/h output; 4 inch pipework in the basic machine for transmission of large vacuum flows



7 Working spindle (15 kW) with regulated spindle speed 1,000-24,000 rpm for extremely high torque levels even at low speed for operations such as sanding. A spindle sensor takes care of optimum working spindle protection, e. g. in the event of tool imbalance



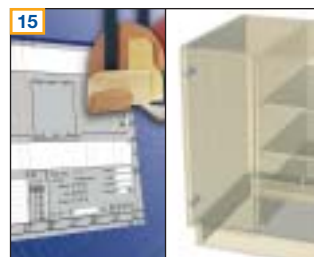
8 Interpolating C axis 360°: To allow the units to be rotated at any optional angle, including transmission of compressed air into the units (e. g. for traced units)



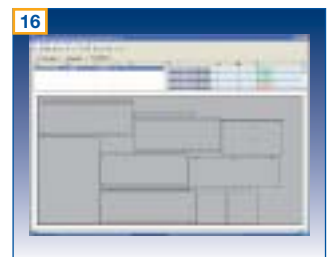
13 power control PC 85: with free-standing switch cabinet control panel for simple machine operation benefiting from features such as graphic workpiece database and machine data acquisition (MDA)



14 Uninterruptible power supply (UPS) to prevent defects in case of mains power fluctuations and data loss due to power failures



15 woodWOP 5.0 the world's most frequently used programming system with woodDesign as a 3D design tool for the "shortest" route from the drawing to the finished machine program



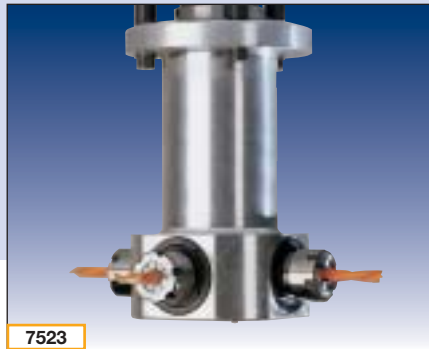
16 woodWOP Tools comprising woodNest Basic (for cutting waste optimization), woodMosaic (graphic program management) and woodType (for engraving)

Clever extras for endless opportunities

A clever investment in the future: The flexibility of the Vantage 12L and 14L means they grow in step with your needs. For additional applications, please apply for our catalogue of processing units and clamping systems.



7519
2-spindle sawing/trimming unit: for grooving, drilling and sawing (also for mitre cuts).



7523
4-spindle drilling/trimming unit: For trimming and drilling work with different tool diameters



7525
Lock case trimming unit: Features two spindles for horizontal trimming with integrated blow-off nozzle for chips



7535
Vertical trimming unit with tracing ring: e. g. for high-precision worktop joints



7546
Planing unit for heavy-duty trimming work: e. g. for stair handrail processing



7547
Corner notching unit: For precise cut-outs in doors or work tops



7549
Sanding unit with blow-off nozzle: guarantees a perfect finish on solid wood coupled with a long service life



7568
FLEX5 sawing / drilling unit with automatic swivel action: for processing operations at any optional angle (e. g. compound cuts)



7701
Flush trimming unit for simultaneous traced profiling of workpiece edges from above and below, e. g. stair treads



Handling tables for nesting with Mr Beam laser system for part identification



Nesting cell with TBA 330



Used in conjunction with the TBA feeder, the pushing device with integrated extraction, air cushion function and an outfeed conveyor table,

the Vantage 12L and 14L can be turned into an automated nesting cell, enhancing ROI and taking the strain off operating personnel

Other options



7138

Air cushion function for simple handling of large-format workpieces



7143-7387

Wide-ranging different clamping systems for reliable, precise processing of your products



7902

Tool holder with cleaning air jet for improved extraction output during nesting

Other options



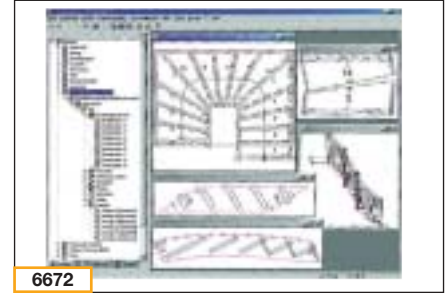
6172

Air conditioning system: for cooling the switch cabinet at external temperatures exceeding 35° C



6383

woodScout: permits systematic, high-speed troubleshooting and results in significantly increased machine availability

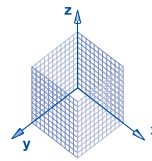
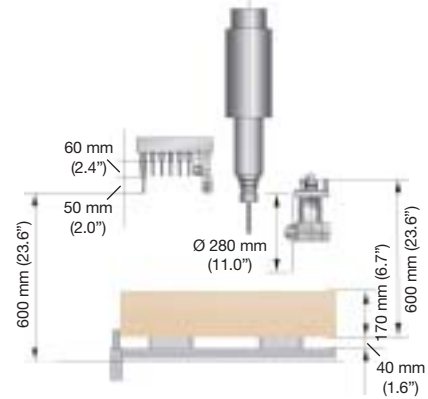
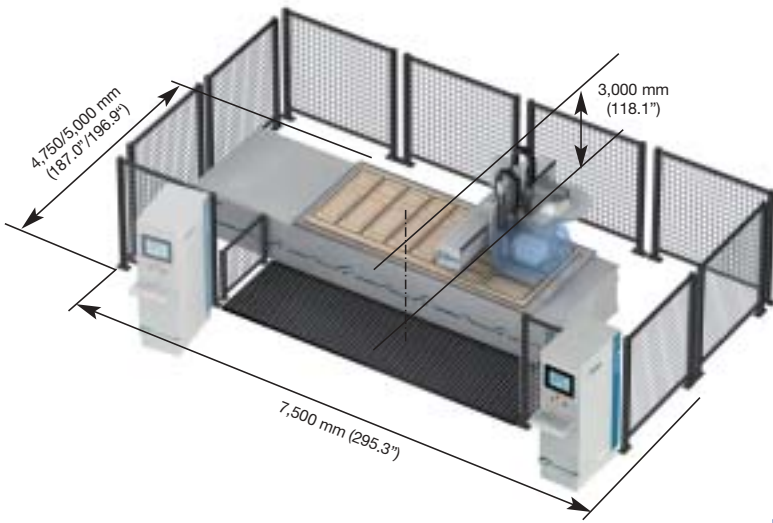


6672

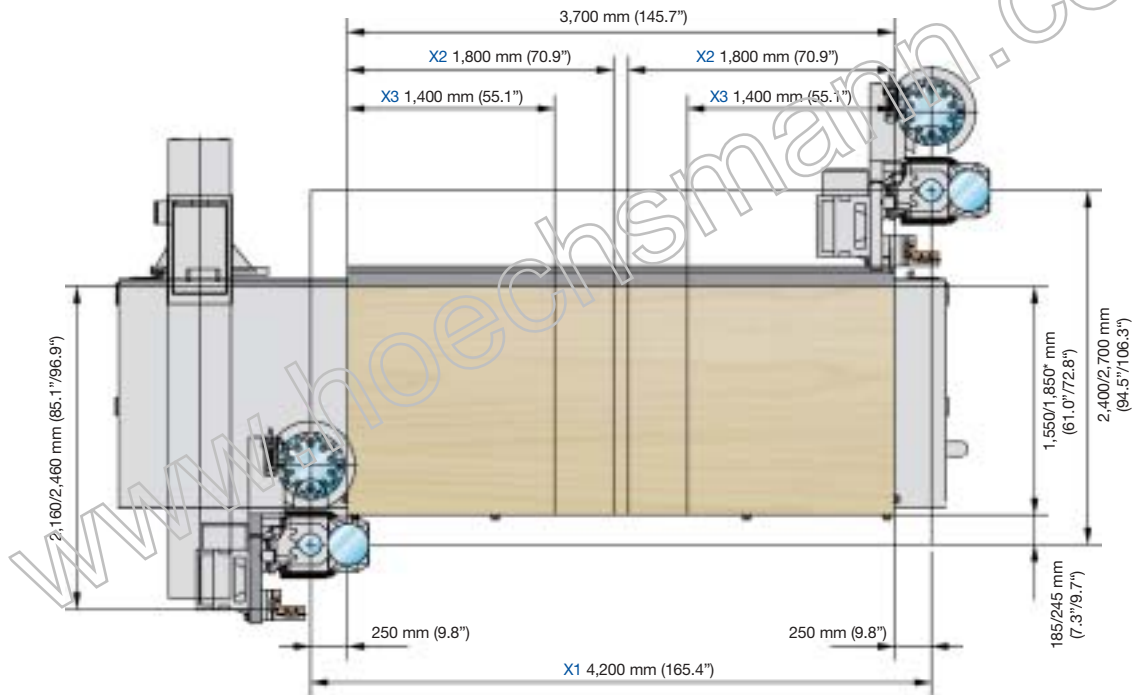
woodStairs: Staircase design software including data transmission to the Vantage machine

Specifications

Vantage 12L/14L



X: 4,200 mm (165.4")
 Y: 2,400/2,700 mm (94.5"/106.3")
 Z: 600 mm (23.6")



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

* With processing height 40 mm

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



HOMAG Holzbearbeitungssysteme AG
 Homagstraße 3-5
 72296 SCHOPFLOCH
 GERMANY
 Tel. +49 7443 13-0
 Fax +49 7443 13-2300
 info@homag.de
 www.homag.com