

Your sales partner:

PRACTIVE – Everything from a single source

PRACTIVE – Intelligent woodworking solutions



- **BRANDT**
Kantentechnik
www.brandt.de
- **BÜTFERING**
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www.buetfering.de
- **HOLZMA**
Plattenaufteiltechnik
www.holzma.de
- **HOMAG**
Holzbearbeitungssysteme
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- **LIGMATECH**
Automationssysteme
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- **SCHULER**
Software & Consulting
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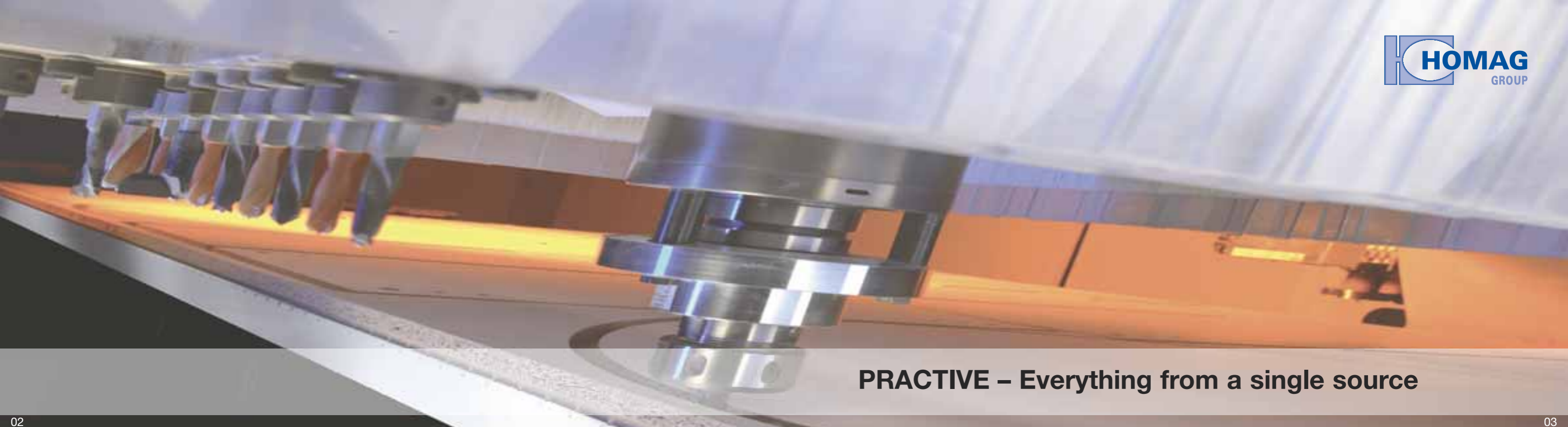


The complete range 2009/2010



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PRACTIVE – Everything from a single source

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HOMAG Group Success through partnership	PRACTIVE The companies in overview	lifeline service The complete range of services	HOLZMA Fast, precise panel dividing	BRANDT Perfect edges for exacting customers	HOMAG Flexible edging and complete CNC technology
26	32	36	44/46	48/49	50/51
WEEKE Innovation for drilling and trimming operations	LIGMATECH Efficient assembly and return conveyors for higher productivity	BÜTFERING Sanding fascination for woodworking shops and interior fitters	SCHULER Consulting and Software SCHULER MCS industry specific ERP system for all company sizes	Software woodWOP 6.0 – Software for efficient CNC production Cut Rite - Software for cutting optimization	WORKSHOPONLINE Present in every market: Sales and servicing companies as well as sales partners

Anyone hoping to achieve success in a hotly contested marketplace must be capable of fast, flexible and efficient production. This is particularly true of woodworking shops and medium-sized producers. The HOMAG Group offers a local presence hand in hand with its sales partners in over 80 countries around the globe, making it a powerful partner you can rely on.

The HOMAG Group – Success through partnership



Working for our customers around the world

- Workforce of 5,000
- 20 dedicated sales and servicing companies
- 60 sales partners over every continent
- 16 producing locations in Europe, Asia and America



Competent advice



Sparing use of resources – enhanced productivity



Proximity to customers around the world

Concentrated competence to safeguard your business success

The assurance of strong partnerships is particularly important in this day and age. Especially for small and medium-sized operations active in the woodworking sector. The companies of the HOMAG Group are there to offer you unbeatable benefits – with PRACTIVE. This is the way forward to create a sharp competitive edge and security for your business in the long term. This is your chance to tap directly into the innovative drive of an internationally successful group of companies.

Individual machine solutions

PRACTIVE offers individual solutions from a single, reliable source. Tried and tested machines for woodworking at affordable prices, backed by concentrated expertise and global know-how. PRACTIVE helps you utilize this rich fund of experience and accumulated knowledge in every aspect of woodworking technology.

The decisive benefit for your productivity

How to make sure your production is fast, flexible and efficient: With a machine outfit tailored precisely to your operational needs which works for you.

Sparing use of resources – enhanced productivity

With the cost of energy and raw materials at a high level and set to rise further in the medium term, resource-saving production methods have become an essential prerequisite to keeping abreast of the competition. To meet this need, the HOMAG Group has been working on the development of pioneering solutions in cooperation with customers and suppliers.

The focus is on increasing machine and plant productivity, which in turn will reduce the input of resources and consumption of energy. Features such as high-speed resetting times, special tools and tools with internal extraction, the latest control engineering and optimum servicing all contribute towards ensuring the highly efficient deployment of plant and machinery. The use of electrical power has been significantly reduced in machines by the addition of features such as standby circuits and modern extraction concepts. State-of-the-art mechanical engineering from the HOMAG Group, permitting for instance the manufacture and processing of lightweight panels or cutting waste optimization with CutRite, also helps save money by minimizing the consumption of raw materials.

Your benefits at a glance:

- Everything from a single source: sawing, edge banding, CNC, sanding, assembly, software
- The woodworking industry's most powerful sales and servicing network worldwide
- Innovation market leader and industry trendsetter
- Top quality machines featuring outstanding versatility and operating convenience
- International availability of spare parts
- Flexible high-tech solutions at favourable prices
- Ultra-modern control technology even for the most complex assignments
- Custom tailored to your own precise individual needs

Perfect individually – unbeatable as a team: the PRACTIVE label stands for the collective competence and experience of leading companies in their respective fields, all under the HOMAG Group umbrella. The result: Precisely coordinated machines and plants designed specifically for woodworking shops and medium-sized enterprises –with the whole range of possibilities you could conceivably require.

Be on the safe side with PRACTIVE

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HOLZMA
Plattenaufteiltechnik



BRANDT
Kantentechnik



HOMAG
Holzbearbeitungssysteme



WEEKE
Bohrsysteme



BÜTFERING
Schleiftechnik



LIGMATECH
Automationsysteme



SCHULER
Software & Consulting

07

en!

Take your capacity utilization to the limits

The companies of the HOMAG Group cover every conceivable requirement of the woodworking shop and medium-sized enterprise sector. Panel dividing technology, edging technology, woodworking systems, drilling systems, sanding technology, automation systems and software afford a seamless innovative product and performance spectrum. Your benefits include increased precision, efficiency and the technology it takes to ensure absolute flexibility – all of which will help you to utilize your production capacity to the utmost.

PRACTIVE – Intelligent woodworking solutions

In-depth communication with the users of our machines generates new ideas and essential impetus for the development of innovative products. Whether for structural fitters or carpenters, cabinet makers or joiners, interior fitters, staircase, window, door manufacturers or large-scale project fitters – PRACTIVE offers individual one-stop solutions for machine and software link-up.

Direct, no-compromise and smooth servicing is just as much a central element of the cooperative partnership we enter into with you. This is something you may rely on as you go about your work.
Day by day, hour by hour.





lifeline | service

The sale of our machines comes with all-in optimum service backup and individual advice. We place the entire wealth of our extensive expertise at your service, both at the procurement stage and during running operation. And our efficient training events will have your operating staff quickly up to speed with the latest developments.

Optimum service and good advice with lifeline | service

08



Financing / Leasing



Inspection / Maintenance



Training



Remote servicing



Spare parts supply



Customer-specific programming

09



lifeline | service provides the assurance of optimum availability of economical production – over the entire service life of the machine.

HOMAG Finance
We offer tailor-made financing arrangements for our plants and machines. Our advisory service goes hand in hand with our technical expertise over a wide range of issues. You only need to deal with a single contact, who will take care of the entire processing sequence.
The benefit for you: The ability to invest without delay in new technologies and remain financially flexible.

Training
Practical, machine-specific training to bring your machine operators and maintenance personnel abreast of the latest developments. We offer dedicated start-up assistance packages for new producers entering the market.

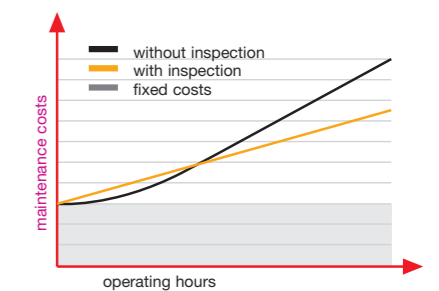
Remote servicing
There is no more effective way to keep up and running. We can reduce your servicing costs and cut machine downtimes through our hotline and remote troubleshooting service.
TeleServiceNet allows over 85 per cent of all disruptions to be solved without the need to send out a service technician.
E-service and **TeleServiceNet** also offer a machine-specific spare parts catalogue, quick support, the latest virus protection software, and facility for downloading software components.

Original spares
Using original spares from HOMAG will help prevent incorrect deliveries and ensure the best possible availability of your production facilities. The effective way to prevent costly consequential damage.

eParts
We are able to offer short response times with the aid of eParts. This service permits you to identify any necessary spare parts required for your machine, check their delivery availability and enquire or place orders immediately online.

Customer-specific programming
Using your workpiece drawings, our specialists will generate specific machine programs tailored precisely to your needs.

Inspection / Maintenance
Regular preventive inspection and maintenance offers the ideal conditions to help you avoid unplanned machine standstills. By providing competent support, we can assure you of the very highest product quality.



Founded in 1966, HOLZMA Plattenaufteiltechnik has been setting cutting-edge standards in the industry for over forty years. The traditional Southern German company has since grown to become the world's biggest manufacturer of panel-sizing saws and systems.

HOLZMA – fast, precise panel sizing



Sales volume: approx. 1000 machines in 2008



HOLZMA in Holzbronn, 30,000 m² production area, approx. 530 employees worldwide

Flexibility and economy

Whether stand-alone saws, angular systems or large industrial units, basic equipment or special optional extras – panel-sizing saws from HOLZMA help you to process your work load with greater flexibility, speed and economy. How? Our advisors take a close look at the specific requirements on site and work with you to create an individual performance package.

Panel-sizing saws from HOLZMA offer both woodworking shop and industrial customers a custom-tailored finish cut for every type of wood-based or plastic panel material. The development of the company and its steady increase in market share testify to the outstanding quality of its machines and also its reliability.

Wide performance range

The product portfolio includes stand-alone saws and angular systems with manual and automatic feed as well as large industrial units with automatic feeding and stacking systems. The control and software areas include machine controls on various platforms, system simulations and cut optimisation programs (Cut Rite, cf. p. 49) as part of the core competency of the company.

Your partner for perfect service

Proximity and availability are the keys to perfect service. HOLZMA offers you both – throughout the world. For, as a member of the large HOMAG Group, the company is part of the industry's strongest international sales and support network. The in-house specialists from the Service Center in Holzbronn are in action for you all around the globe. That's the kind of service that gives you an edge over your competitors.

HOLZMA Panel-sizing technology

HPP 230 – The smallest horizontal saw

The new HPP 230 provides concentrated power, reliability and functionality in a minimum of space. An innovative development to ensure the fast, efficient completion of your customer orders. Even in its standard version, the HPP 230 provides an impressive array of state-of-the-art technologies. A machine with plenty of substance and an affordable price tag. And to really maximize on its potential, a range of supplementary equipment options is available as and when required. Extras that pay dividends!

- Compact in its size and price tag, pedigree HOLZMA in its technology and quality
- Creates a competitive edge through high speed, as faster sawing times free up personnel capacity
- Supplementary equipment features make the machine control system particularly simple and ensure added efficiency
- CADmatic 4 PRACTIVE with 3D moving graphics

Ask for information about the new saw-storage-combination, too.



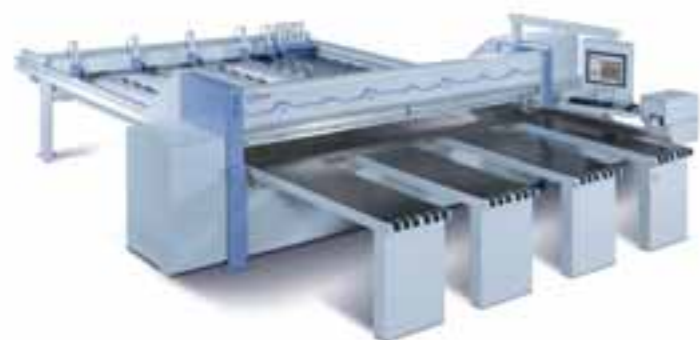
	HPP 230
Saw blade projection	55 mm
Cutting length	3,100 / 3,800 / 4,300 mm
Saw carriage speed	up to 60 m/min.
Program fence speed	up to 40 m/min.
Operating software	CADmatic 4 PRACTIVE
Main saw motor	5.5 kW
Scoring saw motor	1.1 kW

HPP 250 – Faster, more compact, even better

The HPP 250 is the champion of the small horizontal panel-sizing saw class: it is durable, versatile and popular the world over. A successful model that HOLZMA has improved still further. The result: significantly shorter cutting cycles, smaller footprint and increased quality. That makes the HPP 250 more than ever the ideal choice for cutting smaller batches and books fast. The wide range of additional equipment options on offer opens up scope for even more.

- Shorter cutting cycles due to higher saw carriage speed
- Smaller footprint in spite of an increase in performance
- Greater precision due to rack and pinion saw carriage drive
- Flexible pressure regulation for clamps and pressure beam
- CADmatic 4 PRACTIVE with 3D moving graphics

Ask for information about the new saw-storage-combination, too.



	HPP 250
Saw blade projection	75 mm
Cutting length	3,100 / 3,800 / 4,300 mm
Saw carriage speed	up to 100 m/min.
Program fence speed	up to 60 m/min.
Operating software	CADmatic 4 PRACTIVE
Main saw motor (frequency controlled)	7.5 kW
Scoring saw motor	1.1 kW

HPP 350, HPP 380 & HPL 380 – Performance made to measure



HPP 350
The tried and tested basic model of the 3 series offers high performance in a minimum of space. The ideal solution to keep pace with expanding needs.

HPP 380
With a greater saw blade projection, it offers even higher performance and more versatility than the basic model HPP 350.

HPL 380
With automatic feed for substantially higher material throughput and short production times.

All the models are also available in a **profiLine** version – for even greater application versatility, for example Power Concept.

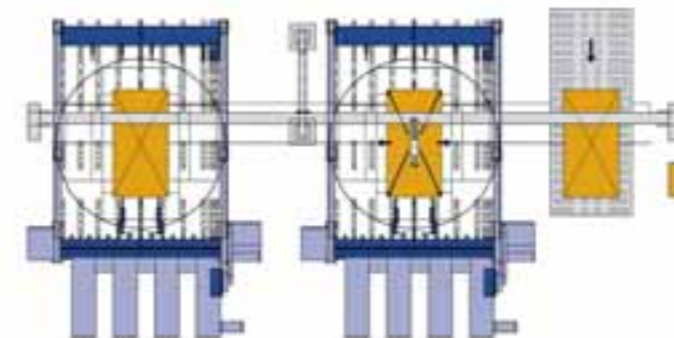
	HPP 350	HPP 380	HPL 380
Saw blade projection	80 mm	95 mm	95 mm
Cutting length	3,100 / 3,800 / 4,300 mm	3,100 / 3,400 / 4,300 mm	3,800 / 4,300 mm
Saw carriage speed	up to 130 m/min.	up to 130 m/min.	up to 130 m/min.
Program fence speed	25 / 80 m/min.	25 / 80 m/min.	25 / 80 m/min.
Main saw motor (frequency controlled)	13.5 kW	18 kW	18 kW
Scoring saw motor	2.2 kW	2.2 kW	2.2 kW

Handling

In addition to solutions for machinery and software, HOLZMA also offers a variety of handling systems. These include, on the one hand, feed systems designed for feeding from the front (e.g. Econolift) and, on the other hand, solutions for feeding the machine from the rear (e.g. purely push-feed systems, the "2in1" system for push-feeding in conjunction with an integrated vacuum feed and purely vacuum feed systems).

These are complemented by a range of destacking options (e.g. Ergomat, Liftomat, rake destacking systems and clamping traverse). These components are further supplemented by an extensive modular system of lift tables and roller conveyors as well as by special systems (spoilboard outfeed, camera-controlled thin panel infeed, aligning tables etc.).

HOLZMA also designs customised handling systems (e.g. TBP) – complete with intelligent storage concepts if desired. In such cases HOLZMA works closely with sister company BARGSTEDT where necessary and expedient.



NEW!
As of LIGNA 2009, HOLZMA offers a budget-priced storage system for the entry-level saws!



BRANDT Kantentechnik offers innovative, high-performance edge banding machines designed for woodworking shops and small to medium producers. Top priority is given to economy and quality, ensuring long-term competitive benefits for BRANDT customers.

BRANDT – perfect edges for quality oriented customers



Heavy-duty pressure zone for optimum glue joint quality

BRANDT in Lemgo, production area of 12,500 sq.m, workforce of 275

Our expertise working for your success

With an annual production output of over 2,000 edge banding machines, BRANDT is the edging specialist of the HOMAG Group, as well as being the world market leader in its market segment. A high degree of standardization working hand in hand with pioneering production techniques and over 50 years of experience in the mechanical engineering business provide the guarantee of an optimum cost-to-performance ratio coupled with top quality.

The clearly structured product range is targeted specifically to current and future customer needs and provides an impressive array of innovations and major competitive benefits. The focus of all developments to emerge from BRANDT is on practically oriented and economical solutions which guarantee customers the best possible production results.

Founded in 1932 as structural metal-working company, and active in the field of mechanical engineering since 1955, BRANDT has developed to become an internationally active enterprise with customers in over 70 countries. From the simple entry-level machine through to the fully automated edge bander, BRANDT has a solution to offer for every conceivable customer requirement or processing assignment.

Selective and consistent technological further developments have culminated in the assurance of operating simplicity and convenience. At BRANDT, the central focus is on the human element and the final product.

Product portfolio

- Edge banding, flush trimming and corner rounding machines for shaped components
- Throughfeed edge banding machines with comprehensive processing technology and automation

BRANDT Edge technology

Table-top machines – The flexible solution for shaped components



- The flexible machine concept for gluing and processing of shaped components
- Direct glue application and individually positionable distance cams ensure a wide application spectrum
- Large workpieces can be simply glued by guiding the gluing unit along the workpiece contour
- Flush trimming machine, equipped with precision ball bearings to trace the workpiece for consistent trimming results
- Optional end snipping device for complete processing of straight and shaped components

	Optimat KTD 820	Optimat KTD 720	Optimat FTK 130	Optimat FTF 200
Machine length	1,430 mm	1,320 mm	1,150 mm	1,360 mm
Weight	590 kg	280 kg	320 kg	140 kg
Feed rate	var. 0.7 - 4.2 m/min.	var. 4 - 9 m/min.	manual	without feed
Edging thickness	0.4 - 3 mm	0.4 - 3 mm	0.4 - 3 mm	0.4 - 3 mm
Workpiece thickness	16 - 40 mm	16 - 55 mm	16 - 55 mm	12 - 40 mm

Ambition 1100 – The basis for success



- Banding of edges up to 2 mm in thickness
- Direct glue application on the workpiece using a glue roller for even glue application
- Pneumatic snipping unit for splinter-free snipping cuts
- Trimming unit for radius and chamfer processing with high-frequency motors for a precise trimming result

	Ambition 110
Machine length	2,6000 mm
Weight	260 kg
Feed rate	6 m/min.
Edging thickness	2 mm
Workpiece thickness	10 - 50 mm

Ambition 1200 Series* – Entry into a whole new dimension



- Banding of edges up to 3 mm in thickness (optionally 6 mm) – no-compromise performance
- Available also with a jointing trimming unit for perfect cuts and optimum glue joint quality
- Use of EC 10+ plus ensures optimum operating convenience and safety
- Multifunctional trimming unit through the use of combination trimming units – minimum resetting time due to automation
- Nesting capability for special requirements when bridging cup hinge holes or acute angled workpieces
- Profile trimming unit for corner rounding
- Buffing or scraper blade unit for the perfect finish
- Fast resetting to different edge types through pneumatic 3-point adjustment

	Ambition 1200 - 1220 FC
Machine length	3,450 - 4,150 mm
Weight	800 - 1,600 kg
Feed rate	10 m/min.
Edging thickness	0.4 - 3 mm (optional 6 mm)
Workpiece thickness	8 - 50 mm (optional 60 mm)

Ambition 1400 Series* – The powerful compact class



- Banding of edges up to 8 mm in thickness
- High-strength gluing due to optimum workpiece pre-heating
- Multifunctional trimming unit for a clean trimming result with optimum extraction by DFC tooling technology and optional automation
- Nesting capability for special requirements when bridging cup hinge holes or acute angled workpieces
- Extremely fast set-up times due to pneumatic adjustment
- Job data acquisition for precise determination of job-related costs (in conjunction with PC 20+ control system)
- Context-specific help function – detailed information on machine operation and functions directly at the control system (in conjunction with PC 20+ control system)

	Ambition 1420 - 1440 FGC
Machine length	4,270 - 5,270 mm
Weight	1,350 - 1,850 kg
Feed rate	11 (optional 14) m/min.
Edging thickness	0.4 - 8 mm
Workpiece thickness	8 - 60 mm

BRANDT Edge technology

Ambition 1600 Series* – Output and quality to set new standards



- Banding of edges up to 12 mm in thickness (optionally 15 mm)
- Processing of workpieces up to 80 mm in thickness (option)
- **powerControl PC 20+** for an optimum overview with large 12" screen
- Multifunctional trimming unit for a tidy trimming result and with optimum extraction using DFC (Dust Flow Control) tooling technology
- Universal profile trimming unit for corner rounding with automatic adjustment between thin and thick edges
- Surface scraper blade and spray device ensure an optimum result
- Optional optimization of the gap between workpieces for a higher output volume in the same processing time
- Job data acquisition for precise determination of job-related costs
- Soft touch function for optimum snipping result even with high feed rates

	Ambition 1650 C - 1660 FGC
Machine length	5,860 - 6,360 mm
Weight	2,540 - 3,000 kg
Feed rate	var. 8 - 18 m/min.
Edging thickness	0.4 - 12 mm (optional 15 mm)
Workpiece thickness	8 - 60 mm (optional 80 mm)

Ambition 1800 Series* – no-compromise performance at any timegent demands



- Banding of edges up to 12 mm in thickness (optionally 15 mm/20 mm edge thickness)
- Processing of workpieces up to 80 mm in thickness
- **powerControl PC 20+** with self-explanatory operator prompting, supported by a graphic user interface
- High degree of availability and optimum gluing quality through Quickmelt gluing unit
- High feed rates with fully automatic lubrication of chain tracks for a long service life
- Optimization of the gap between workpieces for a higher output volume in the same processing time
- Job data acquisition for precise determination of job-related costs
- Context-specific help function – detailed information on machine operation and functions directly at the control system
- Soft touch function for optimum snipping result even with high feed rates

	Ambition 1870 FC - 1880 FGC
Machine length	6,360 - 7,360 mm
Weight	3,000 - 3,560 kg
Feed rate	var. 8 - 20 m/min.
Edging thickness	0.4 - 12 mm
Workpiece thickness	8 - 60 mm (optional 80 mm)

Highflex Series* – Top flexibility for optimum edges



- Banding of 8 mm to 20 mm edging thickness for maximum flexibility and an optimum processing result
- **powerControl PC 20+** with self-explanatory operator guidance, supported by a graphic user interface
- Servo axes for fully automatic and highly flexible setting of the machine to the panel and edging thickness as well as different profiles
- Processing of workpieces up to 80 mm in thickness (option)
- Optimization of the gap between workpieces for a higher output volume in the same processing time
- Job data acquisition for precise determination of job-related costs
- Context-specific help function – detailed information on machine operation and functions directly at the control system
- Soft touch function for optimum snipping result even with high feed rates

	Highflex 1650 - 1890
Machine length	5,860 - 7,860 mm
Weight	2,540 to 3,900 kg
Feed rate	8 - 20 m/min.**
Edging thickness	0.4 - 20 mm**
Workpiece thickness	8 - 60 mm (optional 80 mm)

profiLine Series* – Precision and performance to address stringent demands



- Banding of edges from 12 mm to 20 mm in thickness for maximum flexibility and an optimum processing result
- **powerControl PC 20+** with self-explanatory operator prompting, supported by a graphic user interface
- High-powered motors for no-compromise hogging output during solid edge processing
- Optimum extraction using DFC (dust flow control) tooling technology
- Highly flexible unit concept available, equipped with multiple-stage technology for fast resetting to four different profiles
- Job data acquisition for precise determination of job-related costs
- Optimization of the gap between workpieces for a higher output volume in the same processing time
- Soft touch function for optimum snipping result even with high feed rates
- The modular profiLine range offers the ideal solution no matter what your requirements

	profiLine 1630 - 1895
Machine length	4,860 - 10,360 mm
Weight	1,900 - 5,500 kg
Feed rate	8 - 20 m/min.**
Edging thickness	0.4 - 20 mm**
Workpiece thickness	8 - 60 mm (optional 80 mm / 100 mm)

* The series description contains options
 ** Series-dependent



Whether machines for edgeworking or CNC processing machinery, production lines or complete plants, HOMAG Holzbearbeitungssysteme AG offers integral solutions for every aspect of woodworking. Innovations from HOMAG have been shaping the face of the market for decades – all working for the benefit of the customer.

HOMAG – flexible edging technology and complete CNC processing centres



Cyclical assembly using throughfeed technology

80,000 sq.m. of production area, 1,500 employees

The whole world of woodworking

Whether furniture or structural element production, whether for the supply industry, woodworking shops or interior fitters – the HOMAG product range is tailored to address a wide-ranging spectrum of application requirements. The performance range encompasses sizing and edge banding, softforming and postforming, stationary CNC processing centers and complete production lines.

Flexible, simple and speedy complete processing, even for the smallest production runs: Here, customers can rely on innovative edge banding machines from HOMAG. When it comes to individual, custom-tailored interior fittings, we have an efficient solution to offer for every kind of edging material. The deal answer for small and medium-sized woodworking shops.

Edge technology product portfolio

- Fully automatic edge banding machines
- Edge banding machines for panels with straight or profiled edges
- Edging lightweight panels
- Double-end tenoners
- Postforming machines
- Innovative solutions for every type of edge material

Total solutions for your product

This is where the complete range of HOMAG processing centres comes into its own. We are the only manufacturer worldwide to offer complete production cells and plants backed by the experience of several thousand processing centres in multiple shift operation including project processing and software. Alongside classical drilling, trimming and sawing applications, ultra high-precision solutions are also offered including edgebanding.

CNC technology product portfolio

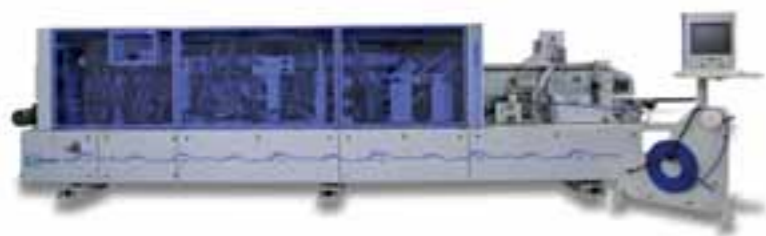
- CNC processing centres for drilling and trimming of solid wood, wood-based materials, plastic, aluminium and similar
- Processing centres for all customarily used edging types and panel materials incl. lightweight panels
- Highly efficient production cells with automatic feed, workpiece change-over and stacking
- Hardware technology for lightweight panels

HOMAG Edge technology

Ambition 2220 – Entry into the HOMAG class

The number one edgebanding choice for edges off the coil up to 3 mm.

- Programming using the universally familiar Windows standard
- Best possible trimming quality and optimum chip collection using I-tools
- Top pressure beam in steel with composite V-belt for precise workpiece clamping

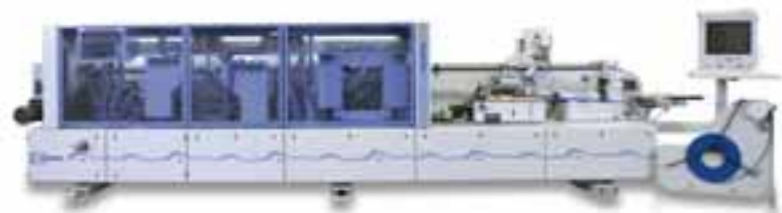


	Ambition 2220	Ambition 2240	Ambition 2250	Ambition 2260
Machine length	5,130 mm	6,130 mm	6,880 mm	7,750 mm
Weight	3,000 kg	3,500 kg	4,000 kg	4,500 kg
No. of autom. resettable profiles	Chamfer + 1 radius	Chamfer + 1 radius	Chamfer + 1 radius	Chamfer + 1 radius
Feed rate	18 - 25 m/min	18 - 25 m/min (max. 32 m/min)	18 - 25 m/min (max. 32 m/min)	18 - 25 m/min
Edging thickness	0.4 - 1 mm	0.4 - 3 mm	0.4 - 3 mm	0.4 - 3 mm
Workpiece thickness	8 - 60 mm	8 - 60 mm	8 - 60 mm	8 - 60 mm

Ambition 2262 – The master class

The master class machine for banding edges up to 3 mm off the coil and solid edges up to 20mm.

- Operation using a 19" touchscreen for maximum possible overview



- 2262**
High-speed tool change at profile trimming units to different profiles
- 2264**
Simple exchange of the hot melt glue application unit with quick-release clamping system for colour change
- 2270**
Four-motor profile trimming unit for splinter-free veneer trimming
- 2272**
Profile trimming unit with automatic 8-slot tool changer

	Ambition 2262	Ambition 2264	Ambition 2270	Ambition 2272
Machine length	7,755 mm	7,755 mm	8,545 mm	8,545 mm
Weight	4,500 kg	4,500 kg	5,000 kg	5,000 kg
No. of autom. resettable profiles	Chamfer + 1 radius	Chamfer + 1 radius	Chamfer + 1 radius	Chamfer + max. 8 radii
Feed rate	18 - 25 m/min	18 - 25 m/min	18 - 25 m/min	18 - 25 m/min
Edging thickness	0.4 - 6 mm	0.4 - 20 mm	0.4 - 20 mm	0.4 - 20 mm
Workpiece thickness	8 - 60 mm	8 - 60 mm	8 - 60 mm	8 - 60 mm

HOMAG KAL 300 – For industrial application

The all-rounder for banding edges up to 3 mm off the coil and solid edges up to 25 mm.

- Universal profile trimming units with two or four motors for splinter-free copying also of veneer edges
- Automatic resetting to different profiles
- Selection of any units from the extensive modular range of industrially tried and tested units



KAL 310

The range for individual equipment options

KAL 330

Additionally offers scope for complete processing of aluminium edges or at the entry level for fully automatic flexible production and high cyclical output

	KAL 310 and KAL 330
Machine length	5,760 - 13,725 mm
Weight	3,500 - 7,500 kg
No. of autom. resettable profiles	Chamfer + max. 8 radii
Feed rate	18 - 32 m/min.
Edging thickness	0.4 - 25 mm
Workpiece thickness	8 - 60 mm (optional 100 mm)

HOMAG – Profiling and postforming

Double-end tenoner FPL 220

The smallest in its class for every type of sizing and profiling work with different materials from MDF to solid wood

- Simple operation using a clearly arranged control panel
- Simple resetting with minimal adjustments
- High-powered hogging motors with 6.6 kW at 100 Hz



VFL 310/5 - Postforming for every type of producing operation

- The affordable solution for postforming individual decor types
- Easily accessible units for simple resetting
- Flexible pressure zone for processing different profile radii



	FPL 220	VFL 310/5
Machine length	4,650 - 5,650 mm	7,040 mm
Weight	1,900 - 3,160 kg	3,500 kg
Feed rate	8 - 32 m/min.	5 - 18 m/min.
Workpiece thickness	8 - 110 mm	16 - 45 mm
Max. workpiece/laminate overhang	30 - 110 mm	110 mm
Laminate thickness	--	up to max. 0.8 mm

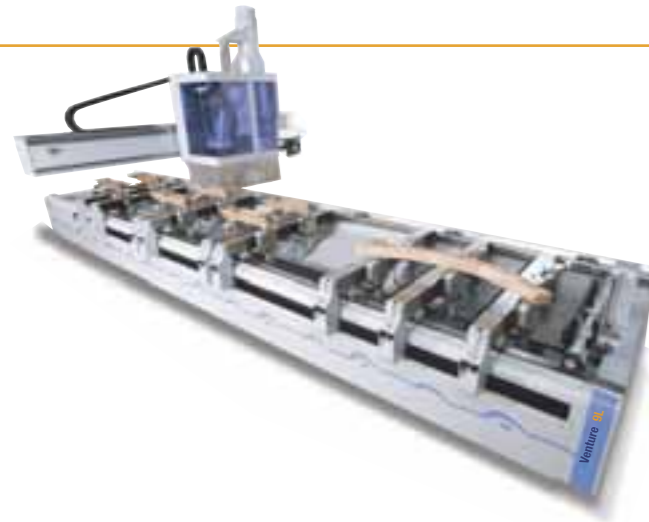


HOMAG CNC technology

Venture 9 – The solid wood specialist

Solid wood from every angle

- 4-axis trimming spindle: with 15 kW output for high feed rates coupled with a high hogging volume
- Drilling head: with 13 spindles (nine vertical, four horizontal) for drilling holes e.g. for doorknobs
- 18-slot tool changer for units and tools with large diameters
- Second coupled-motion 10-slot tool changer mounted on the working spindle for tool change while the drilling head is in operation
- Options:
 - FLEX5+ with automatic tool change
 - powerClamp, the pneumatic clamping system for solid wood processing



	Venture 9
Workpiece depth max.	1,550 mm - (2,005 mm*)
Workpiece thickness max.	300 mm
Workpiece length max. (M/L/XXL)	3,250 / 4,175 / 6,175 mm
4-axis trimming spindle	15 kW
Tool changer	10-slot + 18-slot
Set-up aids	Laser positioning aid

* With supplementary trimming spindle

Venture 10/11 – Panel processing and more

Every variety of model furniture production

- 4-axis trimming spindle: with 15 kW output for high feed rates coupled with a high hogging volume
- Drilling head: with 21 spindles (17 vertical, four horizontal and 0/90° grooving saw) for efficient drilling and sawing
- Options:
 - FLEX5+ with automatic tool change



	Venture 10	Venture 11
Workpiece depth max.	1,550 mm	1,850 mm
Workpiece thickness max.	300 mm	300 mm
Workpiece length max. (M/L/XXL)	3,250 / 4,175 / 6,175 mm	3,250 / 4,175 / 6,175 mm
4-axis trimming spindle	15 kW	15 kW
Tool changer	18-slot	18-slot
Set-up aids	pat. LED chains	pat. LED chains

HOMAG Venture 12 – Windows, doors and more

The complete system – through to window design software

- 4-axis trimming spindle: with 15 kW output for higher feed rates coupled with higher hogging volumes
- 30-slot tool changer with pre-changer for high-speed tool changes
- Drilling head: with 13 spindles (nine vertical, four horizontal) for drilling e. g. door knobs
- Highly rigid window clamping system for single part processing without folding
- Options:
 - FLEX5+ with automatic tool change
 - woodWindows: software for window production



	Venture 12
Workpiece depth max.	1,550 mm - (2,005 mm*)
Workpiece thickness max.	300 mm
Workpiece length max. (L/XXL)	4,175 / 6,175 mm
4-axis trimming spindle	15 kW
Tool changer	30-slot
Set-up aids	automatic console positioning

* With supplementary trimming spindle

HOMAG Venture 16/18 – 5-axis technology for panel and solid wood processing

Unlimited design for furniture production and interior fittings

- DRIVE5+ 5-axis trimming spindle: the all-in-one-solution – greater flexibility, fewer processing units. Unit interface including pneumatic transmission, e. g. for traced rounding of staircase steps.
- 18-slot tool changer for tools and units with large diameters
- Drilling head with 21 spindles (17 vertical, four horizontal and 0/90° grooving saw) for efficient drilling
- Additional pick-up station for saws with 350 mm dia
- Options:
 - woodStairs: the software for staircase production



	Venture 16	Venture 18
Workpiece depth max.	1,550 mm	1,850 mm
Workpiece thickness max.	300 mm	300 mm
Workpiece length max. (M/L/XXL)	3,250 / 4,175 / 6,175 mm	3,250 / 4,175 / 6,175 mm
DRIVE5+ 5-axis trimming spindle	15 kW	15 kW
Tool changer	18-slot	18-slot
LED-Set-up aids	pat. LED chains	pat. LED chains

HOMAG CNC technology

HOMAG Venture 20/22 – All-in-one processing centres



The world's smallest workshop

- 4-axis trimming spindle: with patented electronic interface or flexible application of different units
- Drilling head: with 21 spindles (17 vertical, four horizontal and 0/90° grooving saw) for efficient drilling and sawing

Options:

- **easyEdge** gluing unit: the patented edge banding unit for woodworking shops – affordable and compact
- **powerEdge**: the edge banding unit for high feed rates and automatic butt joint gluing
- **FLEX5+** with automatic tool change – automatic swivel-action sawing and drilling unit for processing operations at any optional angle, (e. g. shift cuts)



	Venture 20	Venture 22
Workpiece depth max.	1,550 mm	1,850 mm
Workpiece thickness max.	300 mm	300 mm
Workpiece length max. (M/L/XXL)	3,250 mm	3,250 / 4,175 / 6,175 mm
4-axis trimming spindle	11 kW	11 kW
Tool changer	12-slot	12-slot
Set-up aids	pat. LED chains	pat. LED chains

HOMAG Venture 13/15/21/23 – Power through the Multi Processing Unit



The high-end processing centre

- 4-axis trimming spindle
- Multi Processing Unit (MPU): 360° swivel-action processing unit for drilling and sawing, with 20 vertical and 10 horizontal spindles plus a sawing unit for flexible processing “without” tool change
- Second coupled-motion 10-slot tool changer mounted on the working spindle for tool change while the MPU is in operation

Options:

- **FLEX5+** with automatic tool change

Venture 21/23: with patented electronic interface for flexible deployment of different edgebanding units

Options:

- **easyEdge** gluing unit
- **powerEdge**



	Venture 13/21	Venture 15/23
Workpiece depth max.	1,550 mm	1,850 mm
Workpiece thickness max.	300 mm	300 mm
Workpiece length max. (M/L/XXL)	3,250 mm	3,250 / 4,175 / 6,175 mm
4-axis trimming spindle	18.5 kW	18.5 kW
Tool changer	10-slot + 18-slot	10-slot + 18-slot
Set-up aids	pat. LED chains	pat. LED chains

HOMAG Vantage 13/15 – Nesting & More

Panel dividing and single part processing in a minimum of space

- 4-axis trimming spindle: with 15 kW output for higher feed rates coupled with higher hogging volumes
- Drilling head with 21 spindles (17 vertical, four horizontal and 0/90° grooving saw) for efficient drilling
- Second coupled-motion 10-slot tool changer mounted on the working spindle for tool change while the drilling head is in operation
- High-performance vacuum pump with 500 m³/h

Options:

- **easyEdge** gluing unit
- **FLEX5+** with automatic tool change



	Vantage 13	Vantage 15
Workpiece depth max.	1,550 mm	1,850 mm
Workpiece thickness max.	300 mm	300 mm
Workpiece length max. (L)	3,700 mm	3,700 mm
4-axis trimming spindle	15 kW	15 kW
Tool changer	10-slot / 18-slot	10-slot / 18-slot

BMG 500 – Entry into 5-axis technology

Compact, affordable, universal



- Moving portal with heavy-duty machine bed made from the new vibration-absorbing material SorbTech (patented) for high precision and long tool service life
- **Drive5C+** 5-axis trimming spindle: the compact solution for fewer units and greater flexibility
- Optionally also with an additional 4-axis trimming spindle
- Individually selectable drilling technology from 13 spindles through to the multi processing unit (MPU) for the 360° swivel action processing unit for drilling and sawing, with 20 vertical and ten horizontal spindles and a sawing unit for flexible processing operations “without” tool changes
- Tool changing systems with 10 - 28 slots



	BMG 500
Workpiece depth max.	1,550 mm
Workpiece thickness max.	300 mm
Workpiece length max. (L)	3,300 / 4,000 / 6,000 mm
4-axis trimming spindle	11 - 18 kW
DRIVE 5C 5-axis trimming spindle	10 - 12 kW
Tool changer	10-slot / 18-slot



Our CNC processing centers are already offering the technology of the future. Why? – Tradition. »Made in Germany« is our motivation and our commitment. Customers around the world have come to expect the highest standards from this quality label. And we meet those expectations.

WEEKE – Quality is the result of skill, motivation – and location



Specialist in the field of CNC technology



A production area encompassing over 20,000 sq.m., a workforce of more than 600

High Quality – "Made in Germany"

As a specialist in the field of CNC processing centers, high-performance automatic throughfeed drilling machines and innovative solutions in the field of drilling and hardware mounting technology, WEEKE has expanded its market share continuously over recent years.

Continuous optimization of production processes coupled with an ultra-modern machine outfit and a high vertical depth of production form the basis for the optimum cost-to-performance ratio, value and engineering excellence of products "Made in Germany".

And this is well received - whether industry or shop solutions, the customers of the international successful machine manufacturer are distributed worldwide. Over 1,400 machines now roll off the production line at Herzebrock-Clarholz every year. Convince yourself of the expertise and the quality of WEEKE.

Product portfolio

- CNC processing centers for drilling, trimming and grooving of solid wood, wood materials and plastics
- CNC-controlled moving gantry type processing centers with workpiece longitudinal and transverse through feed for drilling and hardware assembly technology
- CNC-controlled moving gantry type processing centers especially for the nesting technology (dividing and interleaving)
- High-performance dowel hole drilling machines for stand-alone operation or integration into complex machine lines

WEEKE CNC technology

Venture 05 - For a perfect start



- Vector speed X/Y 80 m/min
- Second row of stops in standard version
- Electronic surveillance of all stops
- High-Speed 7500 - 14 drilling spindles (8 vertical/6 horizontal)
- Patented quick change system
- Patented automatic spindle clamping system
- Powerful 6 kW ETP routing spindle inclusive hydro clamping system

	Venture 05S	Venture 05M
Workpiece length (X) max.	2,510 mm	3,130 mm
Workpiece width (Y) max.	1,250 mm	1,250 mm
Workpiece thickness (Z) max.	85 mm	85 mm
Traveling ranges (X) max.	2,880 mm	3,976 mm
Traveling ranges (Y) max.	1,600 mm	1,600 mm
Traveling ranges (Z) max.	155 mm	155 mm

Venture 07 - Kitchens, office furniture, interior fittings



- 2 x 8-fold tool changing system
- Vector speed X/Y 80 m/min
- Simple positioning of the vacuum cups through the pin laser
- Second row of stops in standard version
- Electronic surveillance of all stops
- High-Speed 7500 - 18 drilling spindles (12 vertical/6 horizontal)
- Patented quick change system
- Patented automatic spindle clamping system
- 9 kW HSK routing spindle (Torque support)

	Venture 07S	Venture 07M
Workpiece length (X) max.	2,510 mm	3,130 mm
Workpiece width (Y) max.	1,250 mm	1,250 mm
Workpiece thickness (Z) max.	100 mm	100 mm
Traveling ranges (X) max.	3,325 mm	3,945 mm
Traveling ranges (Y) max.	1,953 mm	1,953 mm
Traveling ranges (Z) max.	340 mm	340 mm

Venture 06 - Kitchens, office furniture, interior fittings



- Vector speed X/Y 80 m/min
- Second row of stops in standard version
- Electronic surveillance of all stops
- High-Speed 7500 - 14 drilling spindles (8 vertical/6 horizontal)
- Patented quick change system
- Patented automatic spindle clamping system
- 9 kW HSK routing spindle
- 8-fold tool changing system

	Venture 06S	Venture 06M
Workpiece length (X) max.	2,510 mm	3,130 mm
Workpiece width (Y) max.	1,250 mm	1,250 mm
Workpiece thickness (Z) max.	85 mm	85 mm
Traveling ranges (X) max.	3,180 mm	3,976 mm
Traveling ranges (Y) max.	1,645 mm	1,645 mm
Traveling ranges (Z) max.	155 mm	155 mm

Venture 08 - C-axis for more flexibility



- 2 x 8-fold tool changing system
- Vector speed X/Y 80 m/min
- Simple positioning of the vacuum cups through the pin laser
- Second row of stops in standard version
- Electronic surveillance of all stops
- High-Speed 7500 - 18 drilling spindles (12 vertical/6 horizontal)
- Patented quick change system
- Patented automatic spindle clamping system
- 9 kW HSK routing spindle (C-axis 360°)

	Venture 08S	Venture 08M
Workpiece length (X) max.	2,510 mm	3,130 mm
Workpiece width (Y) max.	1,250 mm	1,250 mm
Workpiece thickness (Z) max.	100 mm	100 mm
Traveling ranges (X) max.	3,325 mm	3,945 mm
Traveling ranges (Y) max.	1,953 mm	1,953 mm
Traveling ranges (Z) max.	340 mm	340 mm

WEEKE CNC technology

Venture 1 – Kitchens, office furniture, interior fittings, doors



- Vector speed X/Y 110 m/min
- Simple positioning of the vacuum cups through the pin laser
- Second row of stops in standard version
- Electronic surveillance of all stops
- High-Speed 7500 - 25 drilling spindles (19 vertical/6 horizontal)
- Patented quick change system
- Patented automatic spindle clamping system
- 9 kW HSK routing spindle (Torque support)
- 8-fold tool changing system
- 2 CNC-controlled Z-axes

	Venture 1M	Venture 1L	Venture 1XL
Workpiece length (X) max.	3,250 mm	4,250 mm	5,250 mm
Workpiece width (Y) max.	1,250 mm	1,250 mm	1,250 mm
Workpiece thickness (Z) max.	125 mm	125 mm	125 mm
Traveling ranges (X) max.	3,860 mm	4,860 mm	5,860 mm
Traveling ranges (Y) max.	1,822 mm	1,822 mm	1,822 mm
Traveling ranges (Z1/Z2) max.	325 mm / 185 mm	325 mm / 185 mm	325 mm / 185 mm

Venture 2 – Comfort and speed



- Vector speed X/Y 110 m/min
- Simple positioning of the vacuum cups through the pin laser
- Second row of stops in standard version
- Electronic surveillance of all stops
- High-Speed 7500 - 25 drilling spindles (19 vertical/6 horizontal)
- Patented quick change system
- Patented automatic spindle clamping system
- 9 kW HSK routing spindle (C-axis 360°)
- 14-fold tool changing system
- 2 CNC-controlled Z-axes

	Venture 2M	Venture 2L	Venture 2XL
Workpiece length (X) max.	3,250 mm	4,250 mm	5,250 mm
Workpiece width (Y) max.	1,250 mm	1,250 mm	1,250 mm
Workpiece thickness (Z) max.	125 mm	125 mm	125 mm
Traveling ranges (X) max.	3,860 mm	4,860 mm	5,860 mm
Traveling ranges (Y) max.	1,822 mm	1,822 mm	1,822 mm
Traveling ranges (Z1/Z2) max.	325 mm / 185 mm	325 mm / 185 mm	325 mm / 185 mm

Venture 3 – Kitchens, office furniture, interior fittings, doors



- Vector speed X/Y 110 m/min
- LED-positioning system for the vacuum cups
- Second row of stops in standard version
- Electronic surveillance of all stops
- High-Speed 7500 - 25 drilling spindles (19 vertical/6 horizontal)
- Patented quick change system
- Patented automatic spindle clamping system
- 9 kW HSK routing spindle (interpolating C-axis 360°)
- 14-fold tool changing system
- 2 CNC-controlled Z-axes

	Venture 3M	Venture 3L	Venture 3XL
Workpiece length (X) max.	3,250 mm	4,250 mm	5,250 mm
Workpiece width (Y) max.	1,250 mm	1,250 mm	1,250 mm
Workpiece thickness (Z) max.	125 mm	125 mm	125 mm
Traveling ranges (X) max.	3,860 mm	4,860 mm	5,860 mm
Traveling ranges (Y) max.	1,822 mm	1,822 mm	1,822 mm
Traveling ranges (Z1/Z2) max.	325 mm / 185 mm	325 mm / 185 mm	325 mm / 185 mm

Venture 4 – Strong and flexible



- Vector speed X/Y 110 m/min
- LED-positioning system for the vacuum cups
- Second row of stops in standard version
- Electronic surveillance of all stops
- High-Speed 7500 - 25 drilling spindles (19 vertical/6 horizontal)
- Patented quick change system
- Patented automatic spindle clamping system
- 12 kW HSK routing spindle (interpolating C-axis 360°)
- 14-fold tool changing system
- 2 CNC-controlled Z-axes
- FLEX5+ interface

	Venture 4M	Venture 4L	Venture 4XL
Workpiece length (X) max.	3,250 mm	4,250 mm	5,250 mm
Workpiece width (Y) max.	1,250 mm	1,250 mm	1,250 mm
Workpiece thickness (Z) max.	125 mm	125 mm	125 mm
Traveling ranges (X) max.	3,860 mm	4,860 mm	5,860 mm
Traveling ranges (Y) max.	1,880 mm	1,880 mm	1,880 mm
Traveling ranges (Z1/Z2) max.	410 mm / 185 mm	410 mm / 185 mm	410 mm / 185 mm

LIGMATECH Automatisierungssysteme is the leading manufacturer of innovative products in the fields of assembly, return conveyor and packaging technology. Over 25 years of experience in the mechanical and plant engineering sector, coupled with the continuous endeavour to achieve innovation and perfection – a combination that takes some beating!

LIGMATECH – efficient assembly and return conveyors for higher productivity



Return conveyors on edge banding machines

Production area of 9,000 sq.m., workforce of 175

The right solution for every requirement

Whether assembly, return conveying or packaging – the LIGMATECH product range offers precisely the right product for the job – every time.

Our space-saving workpiece return conveyors are designed to optimize the flow of workpieces in your production. True one-man machine operation makes for lean and efficient production processes.

Our outstanding assembly solutions are designed to enhance your product quality and save valuable time. From the simple carcass press to the complete assembly line.

Also for the packaging of furniture components and flat-pack furniture. No matter whether just-in-time packaging or small production runs – LIGMATECH packaging machines help save you time and money.

In brief: LIGMATECH will put everything in place to meet the challenges of the future. Because implementing faster, lower-cost production not only provides a major competitive benefit, it helps secure your survival in an increasingly competitive environment.

Product portfolio:

- Return conveyors
- Carcass presses
- Packaging machines
- Robot applications

LIGMATECH assembly technology, return conveyors

MPH – 400 – The carcass press for woodworking shops



- Lamellar surface permits fast pressing – no adjustment of press sides required
- Permits pressing of carcasses with several fixed shelves
- Two traversing speeds of the press frame result in faster production
- Carcasses are pressed at a precise angle due to the torsion-free welded frame
- Two-hand operation for operator safety
- Choice of two working depths, 800 and 900 mm

MPH 400	
Length	300 - 2,500 mm
Height	300 - 1,400 mm
Depth	300 - 900 mm
Contact pressure	15 - 25 kN

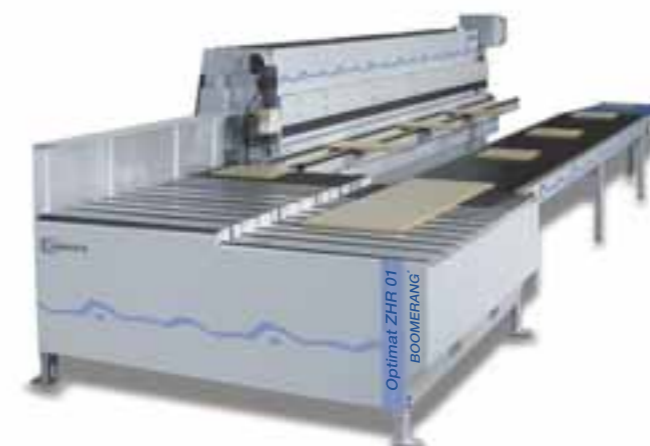
MPH 500 – The fully automatic carcass press



- Further development of the MPH 400
- The MPH 500 offers all the benefits of the MPH 400 plus greater convenience for the user
- PLC control system with touchscreen permits the free generation and storage of 240 carcass programs. Execution takes place automatically after start-up, i. e. the operator can turn his attention to other tasks
- Operator safety is guaranteed by a light grid in front of the press
- The MPH 500 naturally also comes with a choice between working depths of 800 and 900 mm

MPH 500	
Length	300 - 2,500 mm
Height	300 - 1,400 mm
Depth	300 - 900 mm
Contact pressure	15 - 25 kN
Control system	powerControl

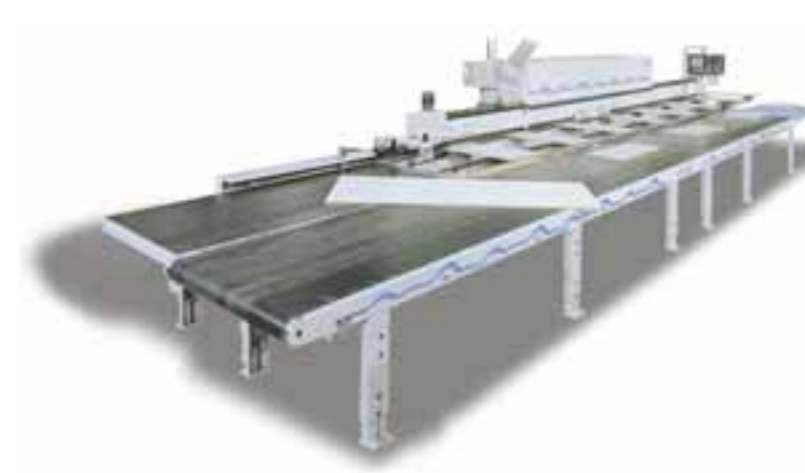
ZHR 01 – The entry level solution



- Return conveyor for transportation of workpieces
- Saves labour costs due to automatic removal and return feed of the workpiece
- No stacking of workpieces coming from the edge banding machine, so preventing possibility of damage
- Fast, calculable production

ZHR 01	
Length	300 - 2,500 mm
Width	50 - 1,450 mm
Thickness	8 - 60 mm
Part length <= 700 mm	max. 30 kg
Part length > 700 mm	max. 50 kg
Surface area weight	max. 25 kg/m ²

ZHR 05 – Performance at any time



- Big brother to the ZHR 01
- The ZHR 05 can also be used for transverse processing of large workpieces up to 2,000 mm
- Parts emerging from the machine engaged by driven extension arms, guided onto an air cushion table and transported transversely with the aid of a pusher
- Quasi rotation of the parts also substantially simplifies feed of large-scale workpieces by the operator

ZHR 05	
Longitudinal processing workpiece length	300 - 2,500 mm
Longitudinal processing workpiece width	60 - 800 mm
Transverse processing workpiece length	300 - 800 mm
Transverse processing workpiece width	800 - 2,000 mm
Thickness	8 - 60 mm
Weight	max. 50 kg

BÜTFERING Schleiftechnik is one of the world's premier manufacturers of wide belt sanding machines, ranging from entry level options through to high-tech sanders. Flexibility, a wide application range, fast and simple operation are all characteristic features of BÜTFERING machines which ensure optimum sanding results every time.

BÜTFERING – Sanding fascination for woodworking shops and interior fitters



Fast, simple operation with the "easy touch" system

Production area of 10,000, workforce of 155

Everything from a single source

Woodworking companies around the world place their trust in sanding machines from BÜTFERING. The corporate philosophy rests on the dual pillars of tradition and innovation. Between the first "BÜTFERING" produced back in 1946 and today's high-tech products are six decades of innovative development, documented by numerous patents and awards. Then as now, BÜTFERING applies the solid principles of a progressive family firm, which include customer-oriented service, continuity, reliability and competence – all of which are guaranteed by our qualified and highly motivated workforce.

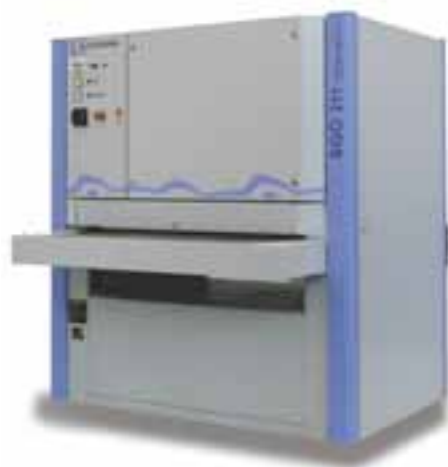
Ultra-modern engineering in the fields of design and production guarantees the very highest production standards. The close-meshed sales network of the HOMAG Group supported by BÜTFERING sanding specialists and numerous sales partners both at home and abroad ensure that the very best possible machine complete with the ideal equipment features is selected for each individual customer.

Product portfolio

- Wide-belt sanding machines with manual and fully automatic control
- Wide-belt sanding machines for insular or throughfeed production
- Wide-belt sanding machines in interlinked operation sanding from above and below
- Brush sanding machines

BÜTFERING Sanding technology

SWT 100 – The affordable entry level machine



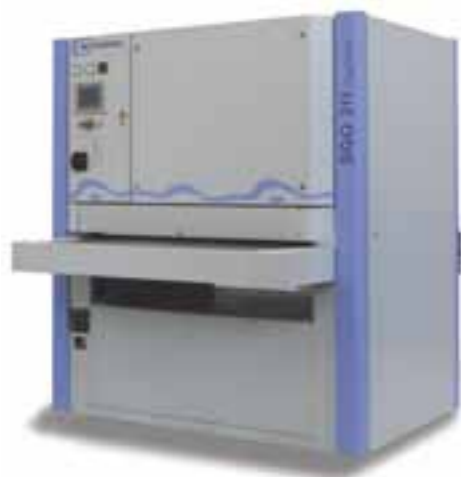
- Suitable for calibration of solid wood with high levels of stock removal, flush sanding of solid edge bands, rough and finish sanding on solid woods.

Standard features:

- 2 speeds 4 and 8 m/min. (1-belt)
- Stepless frequency-controlled feed rate (from 2-belt version)
- Automatic thickness tracing (from 2-belt version)
- Operation by means of keys and multifunction display
- No-wear braking device
- Each unit is separately driven

	Optimat SWT 113	Optimat SWT 124	Optimat SWT 124	Optimat SWT 134
Units	³ K	⁵ R ³ K	⁴ M ² K	⁵ R ³ R ³ K
Working width	950 mm	1,100 mm	1,100 mm	1,100 mm
Sanding belt length	1,900 mm	1,900 mm	1,900 mm	1,900 mm
Output	11 kW	R 15 kW / K 11 kW	M 18.5 kW / K 11 kW	R 15 kW / R 15 kW / K 11 kW
Workpiece thickness	3 - 160 mm	3 - 160 mm	3 - 160 mm	3 - 160 mm
Weight appr.	1,250 kg	1,800 kg	1,800 kg	2,300 kg

SWT 100 – With electronic segmented pad



- Suitable for sanding veneered workpieces – tolerance compensation up to 1 mm – and sanding of solid wood
- Permits 2 or 3 grit sequences to be used in a single operation

Standard features:

- Automatic thickness tracing
- Stepless frequency-controlled feed rate
- Operation by means of touchscreen terminal
- Non-wearing braking device
- Each unit separately driven

	Optimat SWT 124	Optimat SWT 134
Units	⁵ R ¹ C	⁵ R ⁵ R ¹ C
Working width	1,100 mm	1,100 mm
Sanding belt length	1,900 mm	1,900 mm
Output	R 15 kW / C 11 kW	R 15 kW / R 15 kW / K 11 kW
Workpiece thickness	3 - 160 mm	3 - 160 mm
Weight appr.	1,800 kg	2,300 kg

SWT 100 – The new medium class



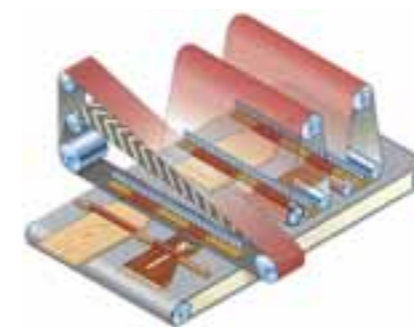
- Suitable for calibration, fine sanding and denibbing
- The professional crossbelt sanding method for the “medium class”

Standard features:

- Consistent workpiece infeed height
- Belt air jet cleaning device up to 40% extraction volume savings
- Stepless frequency-controlled cutting speed and feed rate
- Touchscreen terminal with 200 storage locations
- EPS - Electronic Pad System
- Automatic unit locking

	Optimat SWT 325	Optimat SWT 335	Optimat SWT 335
Units	⁶ Q ¹ C	⁶ Q ¹ C ² E	⁵ R ⁶ Q ² E
Working width	1,350 mm	1,350 mm	1,350 mm
Sanding belt length	2,620 mm	2,620 mm	2,620 mm
Output	Q 13.5 kW / 15 kW	Q 13.5 kW / C 15 kW / E 7.5 kW	R 22 kW / Q 13.5 kW / E 15 kW
Workpiece thickness	3 - 160 mm	3 - 160 mm	3 - 160 mm
Weight appr.	3,600 kg	4,700 kg	4,700 kg

SWT 100 – Electro-pneumatic sanding system EPS



EPS – the electropneumatic sanding system. The development from BÜTFERING is the easy entry into sophisticated surface quality coupled with an optimum cost-to-performance ratio.

EPS – matured technology, optimum result!

- It is only with optimum contact pressure of the sanding belt on all sections of a workpiece that perfect sanding results are guaranteed
- The segment width of 25 mm guarantees an even sanding finish of workpieces right to the edge
- The 80 mm engagement zone (150 mm cross-sanding unit) achieves a brilliant sanding result both during finish sanding and denibbing

¹C: Combination unit with profiled steel contact roller and electropneumatically controlled segmented pad (EPS-System)
²E: Wide-belt unit with electropneumatically controlled segmented pad (EPS system)
³K: Combination unit with profiled, rubberized contact roller and rigid sanding pad
⁴M: Cutter block for stock removal rates up to max. 2.5 mm
⁵R: Contact roller unit with profiled steel contact roller
⁶Q: Cross-sanding unit with electropneumatically controlled segmented pad (EPS system)

BÜTFERING Sanding technology

BÜTFERING – DIAMOND

A DIAMOND stands for perfection, durability and lasting value – the perfect investment.

These were the fundamental attributes on which the design of our DIAMOND series was based. All the technical details integrated as standard in this series were meticulously checked for their customer benefit. The resulting performance package contains as many facets as a perfectly cut diamond. Which is why we believe that this machine series has truly earned the right to bear the name DIAMOND.



SWT 500 – Optimum flexibility through the modular system

The modular system used in the SWT 500 series permits any optional combination from any of the available sanding units, so guaranteeing the greatest possible flexibility. Depending on the intended application, this allows machines to be fitted with up to 4 sanding units in the optimum sequence.



	Optimat SWT 1 to 5-belt
Units	² R / ³ Q / ² C / ³ E / ⁴ H / ¹ B
Output	R 22 kW / Q 13.5 kW / C 15 kW / E 15 kW / H 22kW / B 3 kW
Working width	1,100 - 1,350 mm
Sanding belt length	2,620 - 3,250 mm
Weight appr.	3 - 160 mm

SWT 500 DIAMOND – With a full range of equipment features

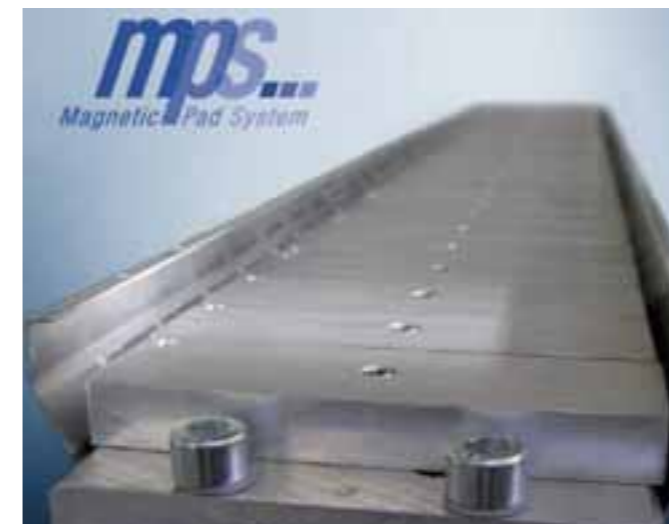


Highlights included as standard:

- Consistent workpiece infeed height
- Belt air jet cleaning device
- Stepless frequency controlled cutting speed and feed rate
- Touchscreen terminal with 200 storage locations
- Vacuum with fan in the machine stand
- Separately driven cleaning brush
- Automatic unit locking
- Pull-out roller table at the infeed
- ME 5000 radio thickness measurement device
- MPS - magnetic pad system
- Workpiece-independent extraction slide control
- Eco mode

	Optimat SWT 1-belt	Optimat SWT 2-belt	Optimat SWT 3-belt
Units	² C	² C ² C / ² C ⁴ H / ³ Q ² C / ³ Q ⁴ H	³ R ⁶ Q ³ E / ³ R ⁶ Q ⁴ H / ⁶ Q ² C ³ E / ⁶ Q ² C ⁴ H
Working width	1,350 mm	1,350 mm	1,350 mm
Sanding belt length	2,150 mm	2,620 mm	2,620 mm
Output	C 15 kW	Q 13.5 kW / C 15 kW / H 20 kW	R 22 kW / Q 13.5 kW / C 15 kW / H 20 kW
Workpiece thickness	3 - 160 mm	3 - 160 mm	3 - 160 mm
Weight appr.	2,300 kg	3,600 kg	4,700 kg

BÜTFERING MPS – magnetic pad system



The MPS magnetic pad system is the latest development from BÜTFERING and provides the ideal entry into perfect surfaces with optimum repeat accuracy. MPS technology provides the ideal conditions to address modern trends for attractive design and ever more exacting customer demands.

- Dynamic force control
- High-precision force control of sanding segments
- No losses due to sanding segment friction
- Individually sanding segment actuation capability with a standard 2:1 or optional 3:1 sensor to actuator ratio

MPS – Fascinating technology for perfect surfaces!

¹B: Brush unit with 400 mm brush diameter

²C: Combination unit with profiled steel contact roller and electronically controlled magnetic segmented pad (MPS system)

³E: Wide-belt unit with electronically controlled magnetic segmented pad (MPS system)

⁴H: Wide-belt unit with inner lamellar belt and electronically controlled magnetic segmented pad (MPS system)

³R: Contact roller unit with profiled steel contact roller

⁶Q: Cross-sanding unit with electronically controlled magnetic segmented pad (MPS system)

SCHULER Business Solutions has been the leading consulting and software house serving the woodworking and furniture sector for over 50 years, and combines many years of experience with creativity and innovative drive.

Our consulting services and software solutions are designed to address the specific requirements of this sector.

SCHULER – Consulting and Software for the international woodworking and furniture industry



Working together with you, we develop innovative solutions for your company

SCHULER Head Office in Pfalzgrafenweiler, work force: 70 employees

Ways to enhance competitive strength

Our product and performance spectrum focuses on the optimum organization of order and manufacturing processes in respect of productivity, quality, costs and adherence to deadlines.

This includes all the relevant aspects:

- Product spectrum and technical product design
- Technology and manufacturing logistics
- Layout and material flow
- Organization and information flow

Consulting services

The aim of our consulting services is to design and optimize manufacturing systems to ensure they achieve the maximum possible competitive advantage:

- Factory design
- Process optimization
- Product engineering
- Strategic marketing
- Key indicator systems for enhanced performance
- Cost accounting and controlling

Software solutions

We offer industry specific software solutions for every size of business: From the woodworking shop to the internationally active corporation. All the solutions we put forward are based on the principle of seamless data flow and are aimed at the specific requirements of the target group in question.

- Integrated ERP systems for industry and cabinet shops
- Product configuration and order entry systems
- Manufacturing Execution Systems (MES)

SCHULER MCS industry specific ERP system for all company sizes

SCHULER MCS organizes ideally your business processes and enables an efficient management of a multi-variant product range. Transparent business processes keep you up-to-date.

High flexibility due to the modular structure

SCHULER MCS comprises the following module groups:

- Order Import
- Order Processing
- Manufacturing Planning
- Manufacturing Control
- Materials Logistics
- Finance
- CRM

SCHULER MCS is based on Microsoft Dynamics™ NAV and integrates the comprehensive industry specific and software expertise of SCHULER. Completely networked data are obtained by the full integration of the SCHULER and Microsoft Dynamics modules.

In addition to an outstanding variant processing capability, SCHULER MCS features a high scalability in the various

expansion stages. This permits to cover the wide-ranging requirements of all company sizes - from small to large.

Moreover, the modular structure enables the integration of customer supplied system components - permanently or temporarily as an intermediate step of a replacement strategy.

Industry specific solution for small and medium-sized producers.

The module groups order import, order processing and manufacturing planning provide you with a seamless industry specific system ranging from the quotation through to shipment.

Standard ERP system for the woodworking and the furniture industry

The ERP system integrates all module

groups. These constitute a data pool for the company providing you, in the capacity of a decision-maker, with a high degree of transparency over your business processes.

Highlights of SCHULER MCS Product configuration

An intelligent product configurator constitutes the core of SCHULER MCS. This configurator is able to generate already at the order entry stage complete and technically reviewed data for the entire order and manufacturing process. It develops its full efficiency in the processing of multi-variant product ranges.

Integrated 3D design

The integrated 3D graphics permits you to have the requirements of your customers visualized. Worktops, profiles, toe kicks and visible sides are automatically generated. Visual monitoring provides increased safety and quality for the order processing, for your customers and in the production.

Integration of the machinery into the data aggregate

SCHULER MCS generates the entire workstation-related manufacturing information in the form of machine data, production documents and labels.

Solutions with specific focus

Benefit from specific functions for the segments kitchen, office, living and interior doors.

Seamless from the quotation through to shipment

The module groups for the order and manufacturing process in the woodworking and furniture industry, developed by SCHULER

Order Import



- Electronic import of orders from the POS
- Comprehensive and automatic checking mechanisms
- Direct further processing of data in SCHULER MCS

Order Processing



- Flexible configuration with 3D design
- Convenient pricing
- Automatic generation of additional components (worktops, toe kicks, visible sides, ...)
- Fast compilation of commercial documents, e.g. quotation, order confirmation, ...



- Convenient processing of custommade products
- Determination of requirements and deadlines for manufacturing, stock and purchased items

Manufacturing Planning



- Automatic generation of work orders
- Efficient manufacturing by batching
- Realistic scheduling and capacity planning
- Generation of NC data

Manufacturing Control



- Detailed planning and replanning
- Data distribution
- Order tracking by means of feedbacks
- Checks of completeness
- Logging of processing times



*Industry specific module groups for the order and manufacturing process, developed by SCHULER

Software for efficient woodworking

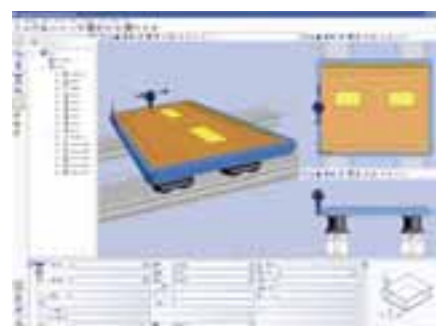
Over 20,000 installations

The HOMAG Group software offers a wide spectrum of machine-oriented software for successful integration of machines into the production environment. Select from the wide range of software modules on offer to create the optimum configuration for your needs and make programming fun.

woodWOP programming system

woodWOP is the HOMAG Group's CNC programming system. The focus of the new, ultra-modern user interface is the large graphic area showing the workpiece in a three-dimensional view. The graphics permit interactive working, for example to create contours on a background grid simply with a mouse click. Dedicated macros are available for every type of processing operation. This allows processes such as trimming and drilling operations and sawing cuts to be quickly and simply programmed by entering the relevant processing diameters. Even inclined axes are quickly and simply programmed as adjusting axes by means of predefined input screens and displayed in woodWOP – guaranteeing extreme programming reliability and continuous plausibility checks throughout the programming process.

woodWOP also offers a range of additional applications to simplify and streamline programming. CAD drawings can be directly imported using the dxflmp function, for instance, and then further processed in woodWOP. The woodWOP-Wizard allows all processing operations for edge banding to be automatically generated at the press of a button. And with 20,000 installations already under its belt, woodWOP is the most successful programming system on the market.



Highlights:

- Greater programming reliability due to 3D graphics to display the workpiece, processing operations and clamping systems
- Faster data input due to direct navigation
- Greater operating convenience due to new user interface design. Features include freely adjustable windows, multiscreen capability, language-neutral input screens, help graphics etc.
- Biggest CNC programming forum in the internet: www.woodWOP-Forum.de.

woodMotion The ultimate in graphic simulation

woodMotion simulates the working steps of the machine at the office PC, providing a graphic depiction of all operating processes at the workpiece. This facility allows the programmer to check every processing step already at the production engineering stage, and so detect any potential collision between workpieces and clamps in advance of actual operation. The program contains all the configurations for the relevant machine. woodMotion offers efficient utilization both for entry level and advanced users.



woodTime production time calculation

woodTime is the first program of its kind to permit workpiece running times to be simulated in real time at a workplace computer and graphically sorted according to processing steps. For time calculation, the same machine configuration is used as at your own machine. This allows the processing time for a workpiece to be far more accurately determined than was previously possible. Alongside acceleration and deceleration times, woodTime also takes into account complete tool change cycles as well as ramp-up and ramp-down times for your own machine.

woodDesign design software

woodDesign is a modern 3D design tool for interactive design of carcass furniture. Finished workpiece programs can be generated in just seconds. woodDesign can be used to program complete carcass furniture instead of individual components. Frequently used objects are configured in a 3D view. The 3D visualization function guarantees optimum user convenience. woodDesign permits individual definition of used materials, fittings, connectors and basic design parameters.



woodNest nesting software

The nesting process allows order-specific batches to be collated to optimize cutting waste in the raw panel. woodNest is able to directly process woodWOP programs, arrange them on the raw panel so as to optimize cutting waste, and optimize the processing sequence. The outcome of the woodNest process are finished woodWOP programs including all processing operations.

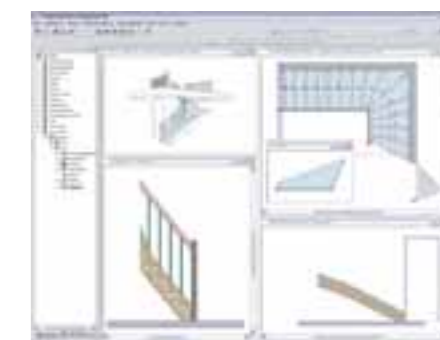
woodWindows window software

woodWindows is a window software system from the company Klaes which is specifically tailored to HOMAG machines for the individual design of windows including program generation for HOMAG processing centres.

Whether complex designs, extensive large-scale projects with series production or individual small production runs, woodWindows turns any design into a standard window and allows it to be processed from start to finish on the HOMAG processing centre.

woodStairs staircase software

woodStairs is a staircase software configured for HOMAG and WEEKE by the company Compass, inclusive of data transfer to the processing centre. With more than 1,000 installations in successful use around the world, Compass staircase software is one of the most effective software solutions available on the market.



HOLZMA Cut Rite

HOLZMA's worldwide leading optimisation software Cut Rite is a powerful, user-friendly program for cut optimisation of sheet materials. It optimises

material wastage and – depending on the version – the overall cutting costs, consisting of material and machining costs.





WORKSHOP ONLINE – everything from a single source



Present the world over

SCHULER MCS takes care of a seamless data flow from the quotation phase through to the machine. The industry specific ERP solution generates machine data as well as data for barcode labeling and makes it available for use by WORKSHOPONLINE.

A local presence around the world – with dedicated sales companies and competent sales partners. We are there when and where you need us. If you are looking for advice, sales or fast on-site servicing, the HOMAG Group can provide competent support at any time. You will find yourself in the safest, most competent hands – on whichever continent you need us.

In WORKSHOP ONLINE, seamless interaction of all processing sequences are implemented in a production island. Sawing, edge banding, drilling, trimming, sanding and assembly. The label carrying the barcode is of central importance here as the information carrier. After cutting to size, the label is printed out on a part-specific basis at the panel cutting saw. Further processing at the downstream machines in the workshop is started by entering the program number or scanning in the bar code.



Our sales and servicing companies:

- **HOMAG Asia** / Singapore / Thailand (Bangkok) / Malaysia (Kuala Lumpur) / Taiwan (Taipei)
- **HOMAG Australia** / Lytton / Newton / Sydney / Malaga / Marleston / Springvale Victoria
- **HOMAG Austria** / Oberhofen am Irrsee
- **HOMAG Canada** / Mississauga / Mont St. Hilaire / Calgary
- **HOMAG China Golden Field** / Beijing / Shanghai / Chengdu / Hangzhou / Dongguan
- **HOMAG Danmark** / Galten
- **HOMAG España Maquinaria** / Beniparrell / Barcelona
- **HOMAG France** / Strasbourg
- **HOMAG GUS** / Moscow
- **HOMAG India** / Bangalore / Delhi / Mumbai / Chennai / Calcutta / Nagpur / Sri Lanka (Colombo)
- **HOMAG Italia** / Giussano
- **HOMAG Japan** / Osaka / Tokyo / Nagoya
- **HOMAG Korea** / Seoul
- **HOMAG Middle East** / Dubai
- **HOMAG Schweiz** / Bachenbülach
- **HOMAG South America** / Brazil, Curitiba / Taboao da Serra / SP
- **STILES MACHINERY Inc.** / USA, Grand Rapids / Irving / Ontario / High Point
- **HOMAG U.K.** / Castle Donington / Ireland
- **HOMAG Bayern** / Denkendorf
- **HOMAG Herzebrock** / Herzebrock
- **MAW** / Herford

Sales partners in the following countries:

- Argentina
- Bahrain
- Belgium
- Bosnia-Herzegovina
- Brazil
- Bulgaria
- Chile
- Columbia
- Costa Rica
- Croatia
- Czech Republic
- Dubai
- Egypt
- Estonia
- Finland
- Germany
- Greece
- Holland
- Hungary
- Iceland
- Indonesia
- Iran
- Israel
- Lebanon
- Lithuania
- Malaysia
- Mexico
- New Zealand
- Norway
- Peru
- Philippines
- Portugal
- Rumania
- Saudi Arabia
- Serbia
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- Slovenia
- South Africa
- Sri Lanka
- Sweden
- Syria
- Thailand
- Turkey
- United Arab Emirates
- Vietnam
- Venezuela
- Qatar

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Automationssysteme

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Schleiftechnik

WEEKE
Bohrsysteme



HÖLZMA
Plattenaufteiltechnik
Label output

BRANDT
Kantentechnik