

# Edge banding machines Ambition 2200



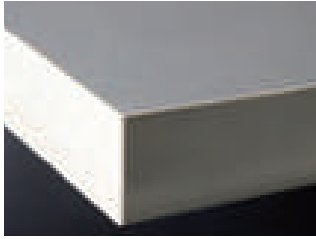
Economy for high aspirations

# Perfect edges for discerning customers – manufactured using HOMAG machines

Individual customer needs and preferences, sophisticated products and a wide range of materials – all factors which play a major role in today's woodworking industry. Here, production flexibility and efficiency are key – particularly for woodworking shops and medium-sized enterprises. HOMAG offers unbeatable benefits and has a presence on the ground in over 80 countries around the world. This is the way forward to create a sharp competitive edge and security for your business in the long term.

For us, you and your products are the number one priority. A promise you can count on!





0.4 mm melamine



2 mm ABS, PVC, PP



20 mm solid strips



Veneer

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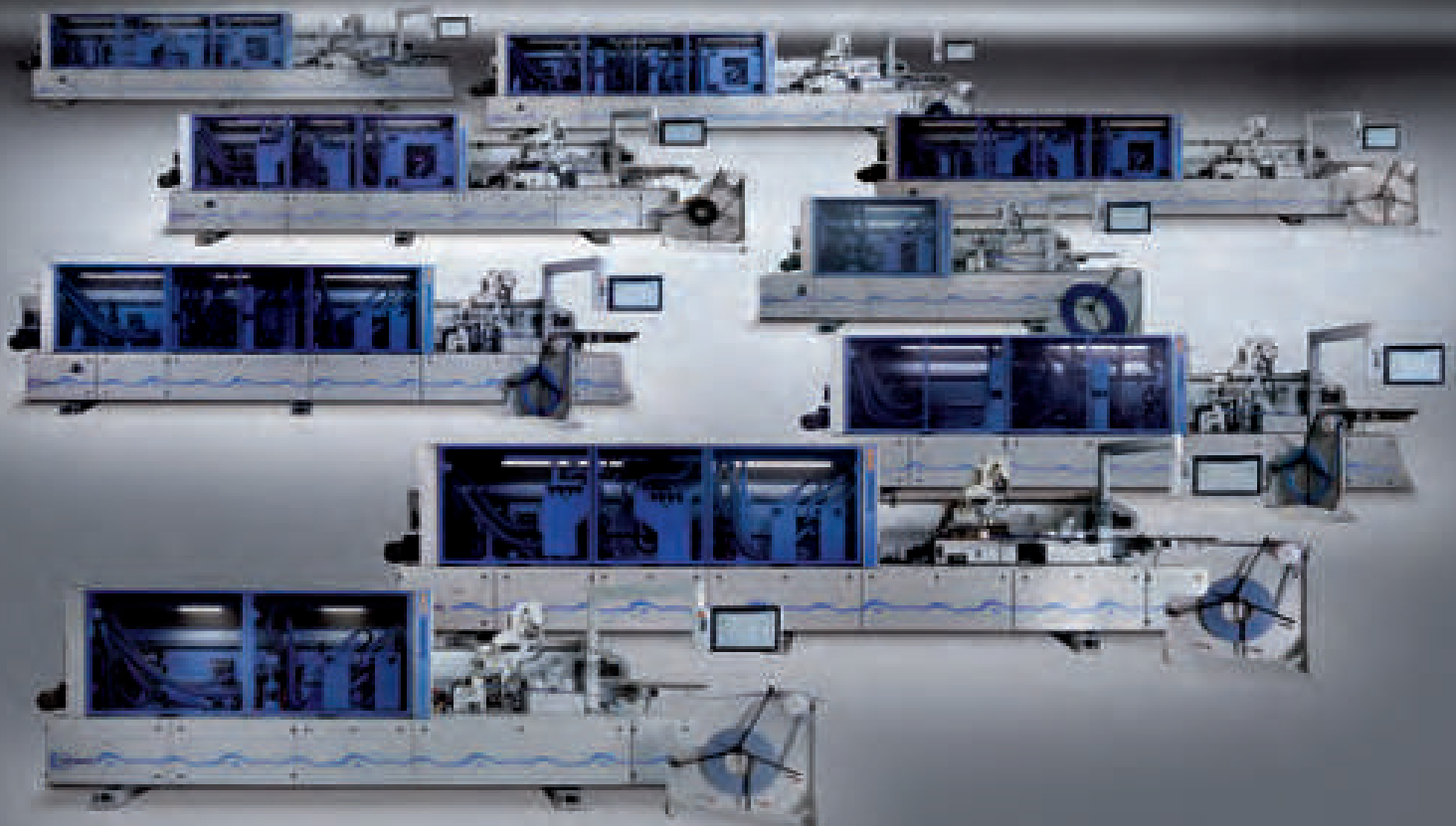
[www.youtube.com/homaggroup](http://www.youtube.com/homaggroup)

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# Ambition series – all inclusive as standard: The most important features of the models

A uniform equipment standard has been created for the Ambition series: Belt-type top pressure beam guide made of steel for precise workpiece guidance, all trimming tools with I-system for optimum chip disposal and processing quality, variable feed rate of 18–25 m/min for high productivity. All the machines of the Ambition series offer scope for automation, are energy-saving and environmentally friendly.

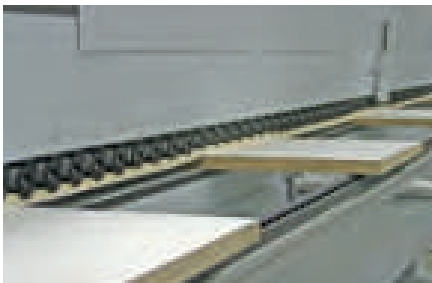


## Your benefit

- High-grade furniture with high edge quality
- Enormous flexibility through capacity to process all types of material
- More output through high level of availability due to durable construction and easy-maintenance machine structure
- Ergonomically arranged control functions
- Minimized extraction requirement
- Low energy requirement
- Outstanding economy
- Optimum cost-to-performance ratio

## Top pressure belt

The top pressure beam made of steel with double V-belt forms the basis for outstanding quality, as it ensures that workpieces are ideally clamped for processing.

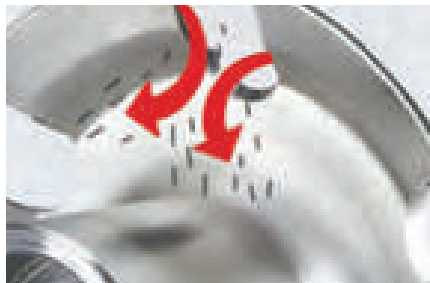
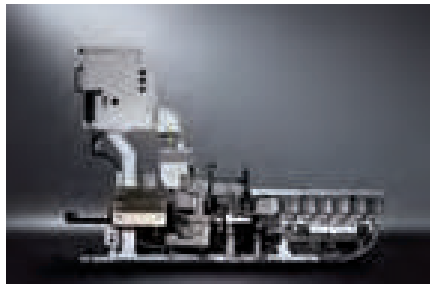


## Feed rate 18–25 m/min

Steplessly adjustable. For high productivity. Faster completion of orders. Operating personnel are quickly freed up for other tasks.

## Application unit with granulate tank

For optimum glue application on the narrow surface. Changes to workpiece thicknesses do not necessitate resetting of the glue application roller.

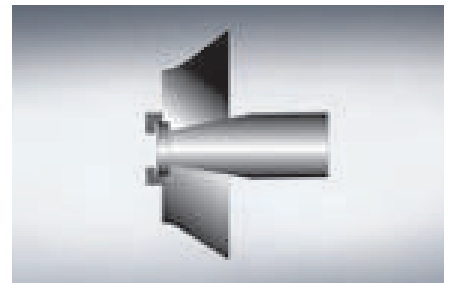
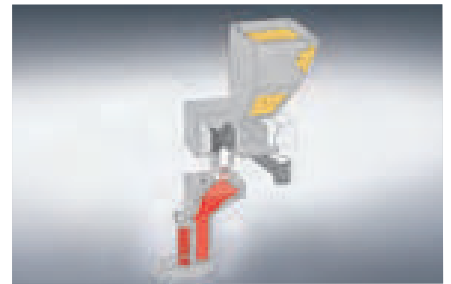


## I-system – controlled chip capture

The chips are extracted already in the interior and selectively directed to the extraction hood. Greater economy and a longer service life due to reduced wear and lower service costs. Costs are lower due to reduced extraction speed.

## Melting unit with granulate tank

With a melting rate of 6–12 kg/h, there is always plenty of hot-melt glue available.



## HSK interface

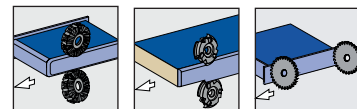
The hollow shaft taper (HSK) tool interface ensures a positive locking connection between the tool and motor shaft, resulting in zero tolerances between the motor shaft and tool. This results in outstanding trimming quality due to optimum tool concentricity and freedom from vibrations.

# Ambition 2220 – small machine, big performer

The Ambition 2220 is the smallest of the 2200 series machines. But no corners have been cut in terms of technology. This machine is able to glue, precisely snip and finish processed edges up to 1 mm in thickness. The buffing unit at the outfeed imparts a perfect grip to your edges. A jointing trimming package comprising separating agent spraying unit and jointing trimming tool can be optionally mounted.



Automation package	4009
Adjustment snipping motor (flush/overhang)	✓
Fine trimming or chamfer/radius adjustment (automatic)	Chamfer
Remote control for single-sided machines	✓

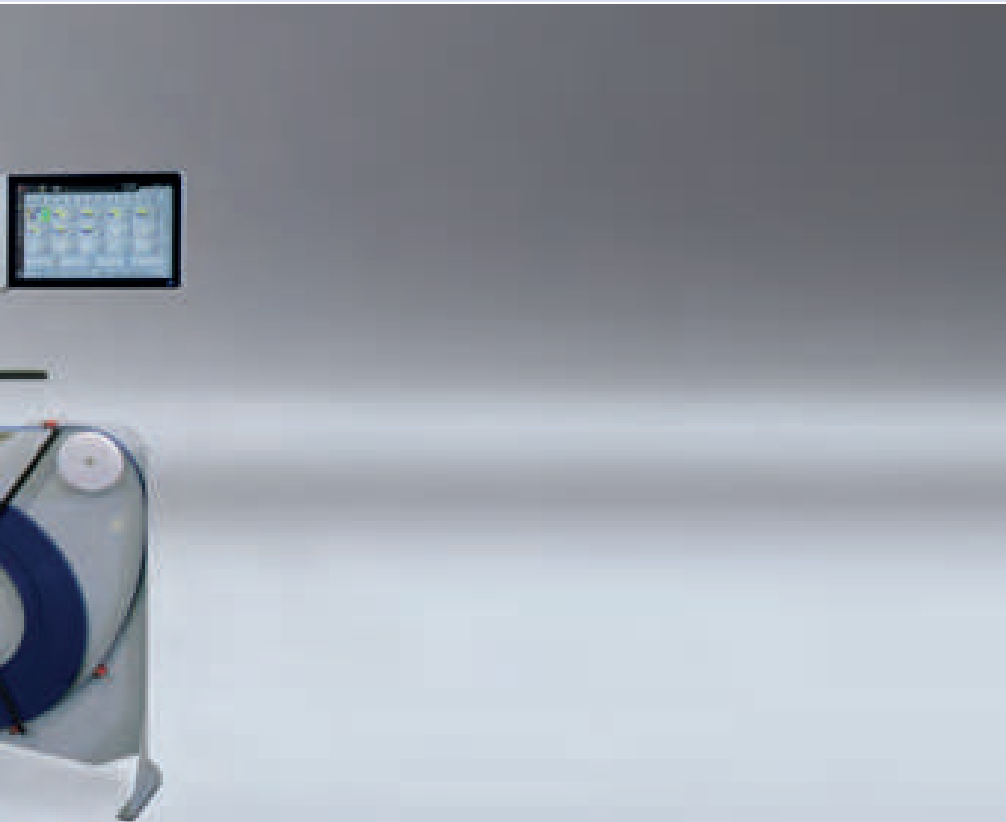




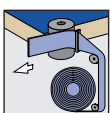
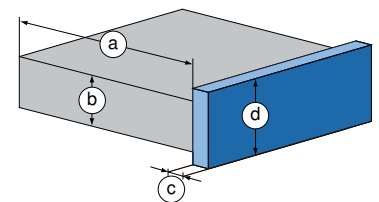
0.4 mm melamine



1 mm veneer

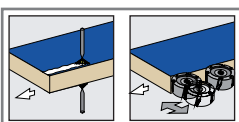


	Coils (mm)
<b>a</b>	with b = 22: min. 60 with b = 40: min. 105
<b>b</b>	12 (opt. 8) / 40 (opt. 60)
<b>c</b>	0.3–1.0
<b>d</b>	45 (opt. 65)



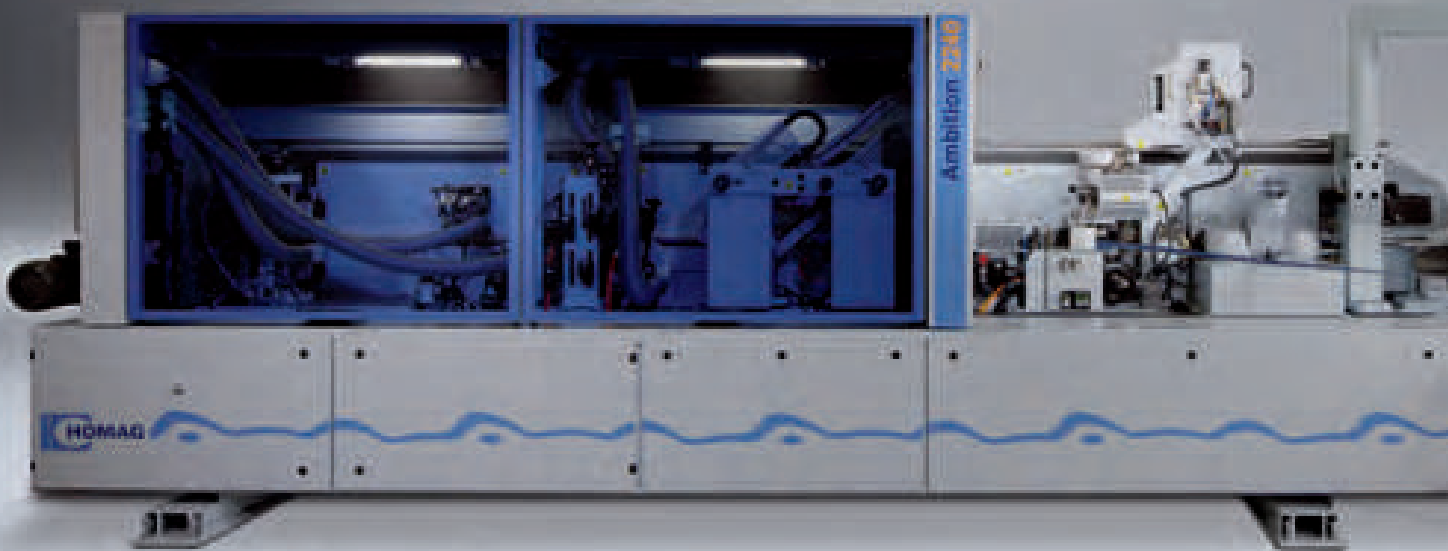
**Free space**

**Options free space**



# Ambition 2240 – more than just trimming

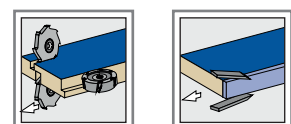
Moving up from the Ambition 2220, the Ambition 2240 additionally offers a profile scraper blade and one free space. This machine is able to glue, precisely snip and finish processed edges up to 3 mm in thickness. The buffing unit at the outfeed imparts a perfect grip to your edges. Either a glue jointing scraper blade or a uni-trimming unit for grooving can be mounted in the free space. The choice is yours. The feed rate can be optionally increased to 28 m/min.



Automation package	4014
Adjustment pressure zone (automatic)	✓
Adjustment snipping motor (flush/overhang)	✓
Fine trimming or chamfer/radius adjustment (automatic)	Cham./rad.
Remote control for single-sided machines	✓



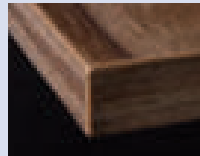
#### Options free space







0.4 mm melamine

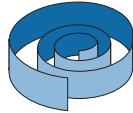


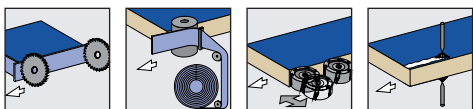
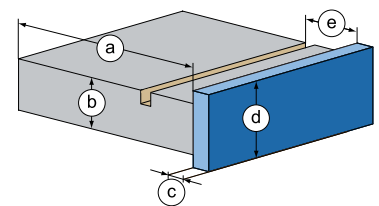
2 mm PVC



Veneer

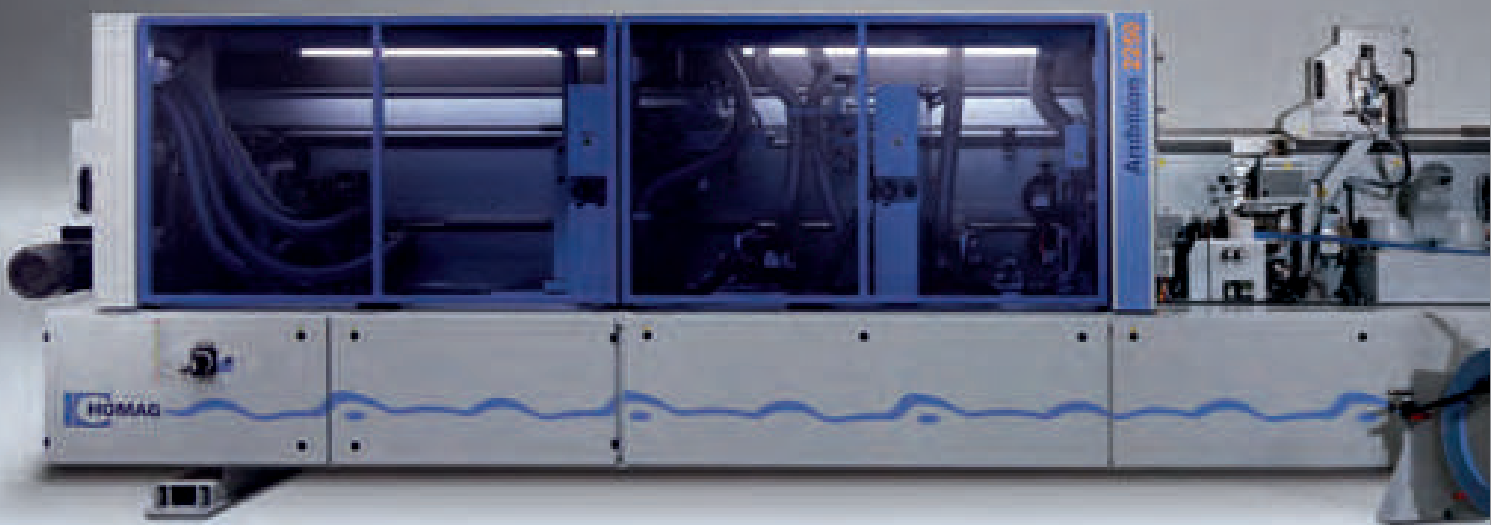


	Coils (mm)
	
<b>a</b>	with b = 22: min. 60 with b = 40: min. 105
<b>b</b>	12 (opt. 8) / 40 (opt. 60)
<b>c</b>	0.3–3.0
<b>d</b>	45 (opt. 65)
<b>e</b>	max. 25

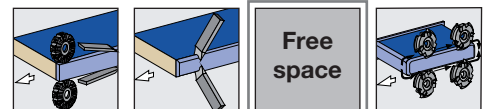


# Ambition 2250 – everything you need!

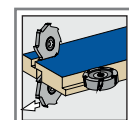
The Ambition 2250 additionally offers profile trimming. This allows you to glue and finish processed edges up to 3 mm in thickness including rounding of the face sides. The buffing unit at the outfeed imparts a perfect grip to your edges. A uni-trimming unit for grooving can be mounted in the free space. The choice is yours. The feed rate can be optionally increased to 32 m/min.



<b>Automation package</b>	4010
Adjustment pressure zone (automatic)	✓
Fine trimming or chamfer/radius adjustment (automatic)	Cham./rad.
Profile trimming, 4 motors, chamfer/radius adjustment (automatic)	✓
Pneumatic adjustment PN10 + FA11	✓
Remote control for single-sided machines	✓

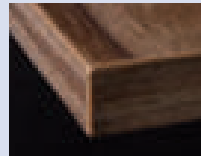


**Option free space**





0.4 mm melamine

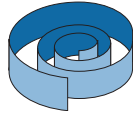


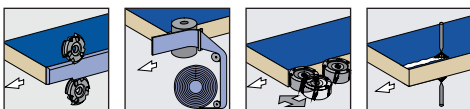
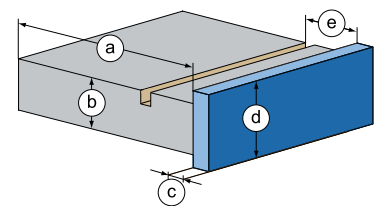
2 mm PVC



Veneer

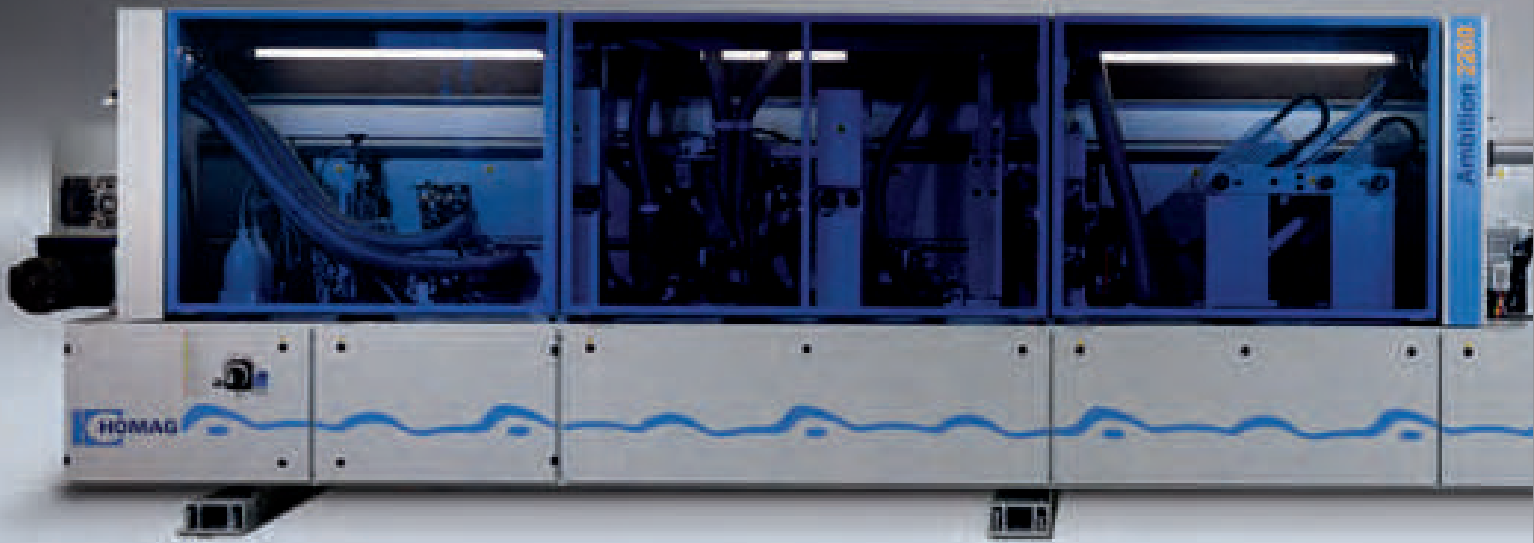


	Coils (mm)
	
<b>a</b>	with b = 22: min. 60 with b = 40: min. 105
<b>b</b>	12 (opt. 8) / 40 (opt. 60)
<b>c</b>	0.3–3.0
<b>d</b>	45 (opt. 65)
<b>e</b>	max. 25

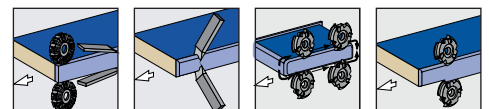


# Ambition 2260 – no-compromise edge finish processing

The Ambition 2260 is designed to allow gluing, precise snipping and finish processing of edges up to 3 mm in thickness including rounding of the face sides. The finish unit at the outfeed removes any remaining glue residues and lends an outstanding grip to the edges. The Ambition 2260 delivers a shining performance no matter what the discipline – technology, quality, output, function and design – ensuring a fast payback of your investment in practical application.

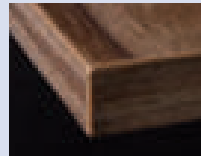


Automation package	4012
Adjustment pressure zone (automatic)	✓
Adjustment snipping motor (flush/overhang)	✓
Fine trimming or chamfer/radius adjustment (automatic)	Cham./rad.
Profile trimming, 4 motors, chamfer/radius adjustment (automatic)	✓
Pneumatic adjustment PN10 + FA11	✓
Remote control for single-sided machines	✓





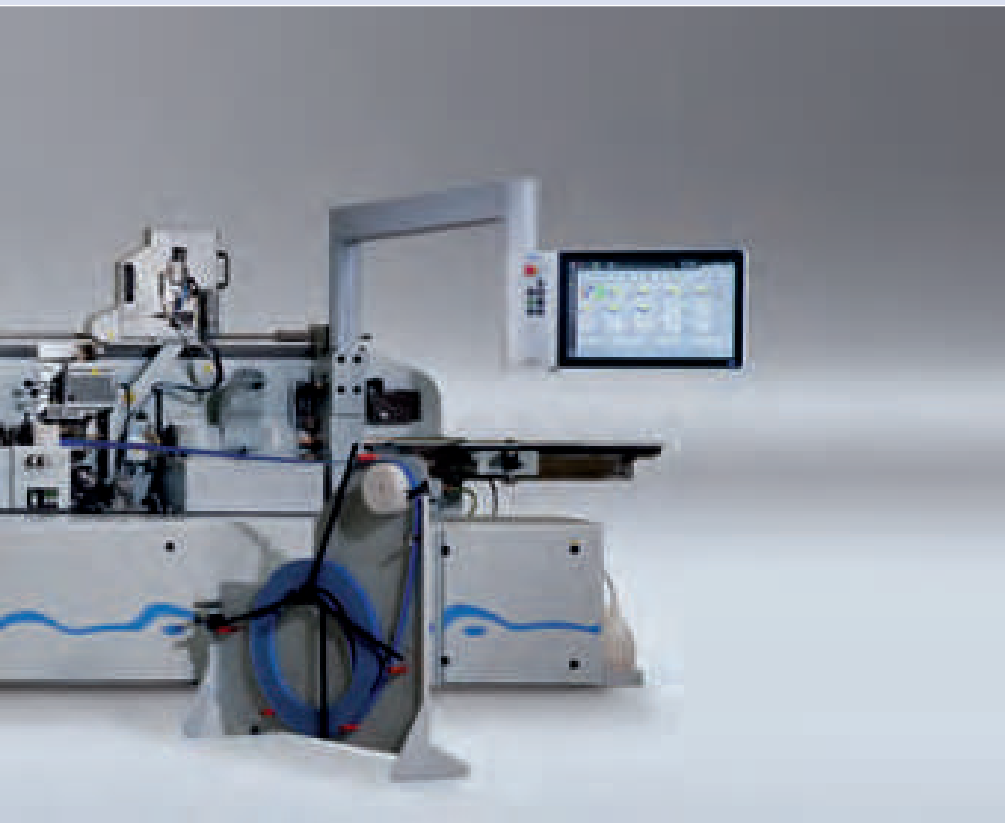
0.4 mm melamine

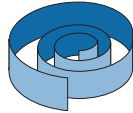


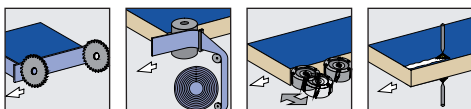
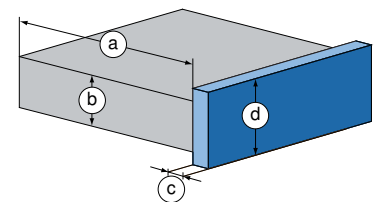
2 mm PVC



Veneer

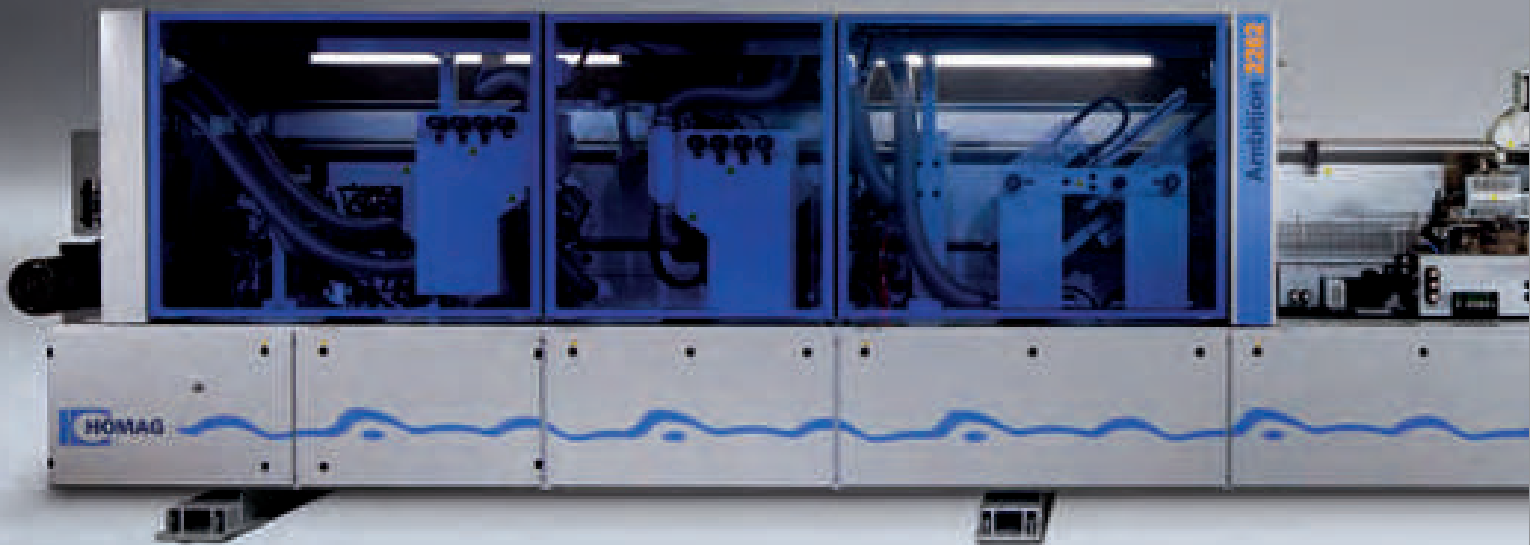


Coils (mm)	
	
<b>a</b>	with b = 22: min. 60 with b = 40: min. 105
<b>b</b>	12 (opt. 8) / 40 (opt. 60)
<b>c</b>	0.3–3.0
<b>d</b>	45 (opt. 65)

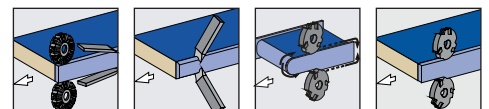


# Ambition 2262 – 6 mm strips are the benchmark

The Ambition 2262 is designed to allow gluing, precise snipping and finish processing of edges including rounding of the face sides. The finish unit at the outfeed removes any remaining glue residues and lends an outstanding grip to the edges. It takes the banding of solid strips up to 6 mm easily in its stride. If required, you can also use PU. No need to compromise with the Ambition 2262. And with an unbelievable cost-to-performance ratio.



Automation packages	4016	4017
Adjustment pressure zone (automatic)	-	✓
Adjustment snipping motor (flush/overhang)	✓	-
Adjustment rough trimming unit (flush/overhang)	-	✓
Profile trimming, 2 motors, chamfer/radius adjustment (automatic)	-	✓
Pneumatic adjustment PN10 + FA11	✓	-
Remote control for single-sided machines	✓	✓





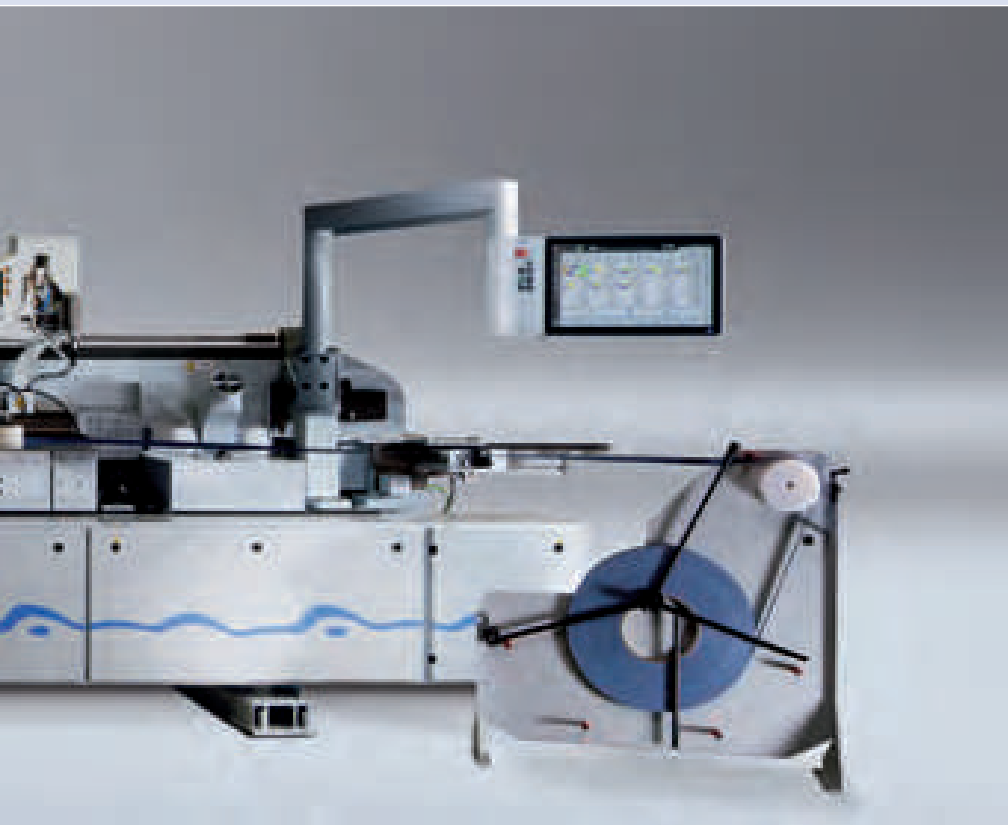
0.4 mm melamine



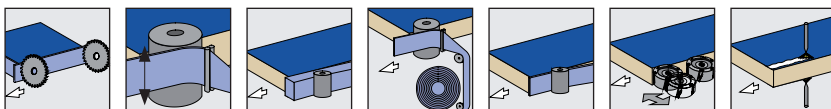
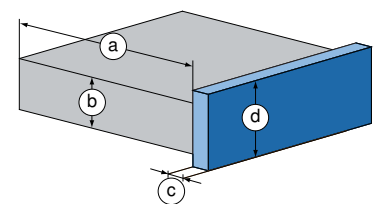
2 mm PVC



6 mm solid strips

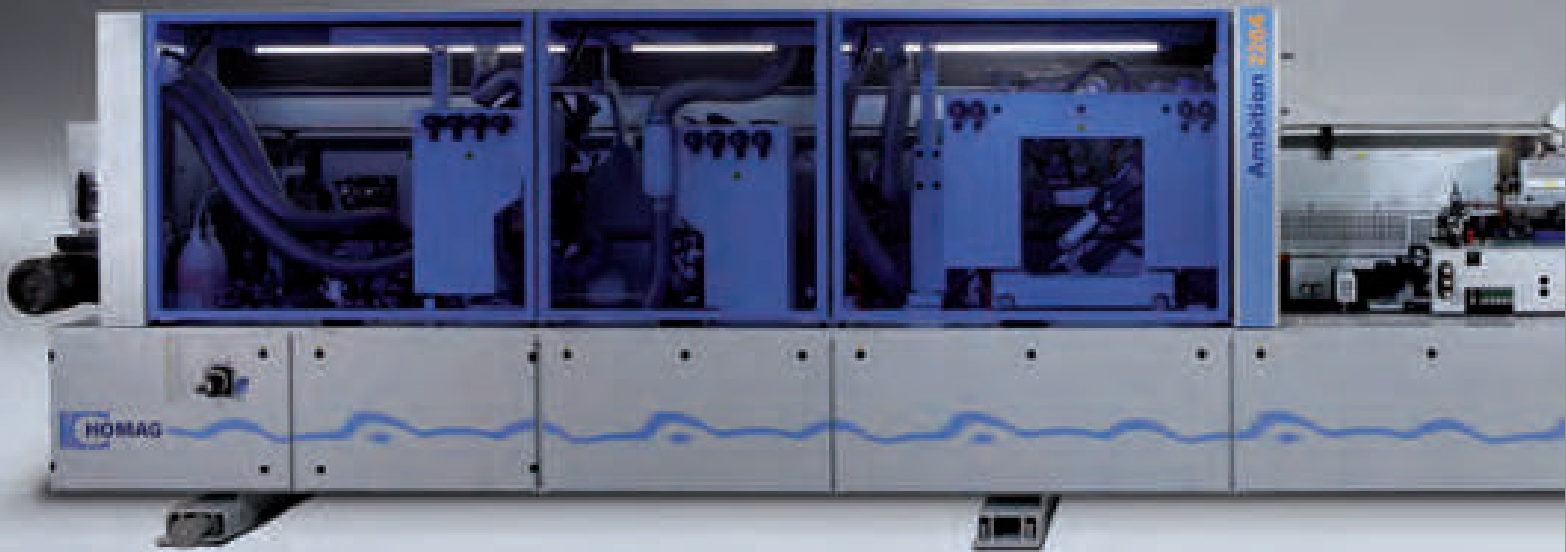


	Solid (mm)	Coils (mm)	Strips (mm)
<b>a</b>		with b = 22: min. 60 with b = 40: min. 105	
<b>b</b>	12 (opt. 8) / 40 (opt. 60)		
<b>c</b>	0.6-6	0.3-3.0	0.3-3.0
<b>d</b>	45 (opt. 65)		

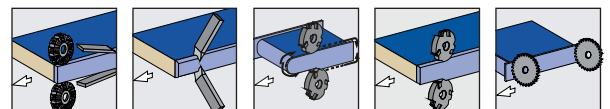


# Ambition 2264 – standard for 20 mm solid strips

The Ambition 2264 is designed to allow gluing, precise snipping and finish processing of edges including rounding of the face sides. The finish unit at the outfeed removes any remaining glue residues and lends an outstanding grip to the edges. It takes the banding of solid strips up to 20 mm easily in its stride. If required, you can also use PU. No need to compromise with the Ambition 2264. A patented solution at the profile trimming unit permits the fast, simple changeover of profiles.



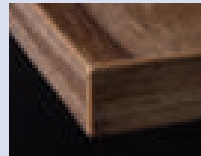
Automation package	4013
Adjustment infeed fence (automatic)	✓
Adjustment pressure zone (automatic)	✓
Adjustment snipping motor (flush/overhang)	✓
Adjustment rough trimming unit (flush/overhang)	✓
Profile trimming, 2 motors, chamfer/radius adjustment (automatic)	✓
Pneumatic adjustment PN10 + FA11	✓
Remote control for single-sided machines	✓







0.4 mm melamine



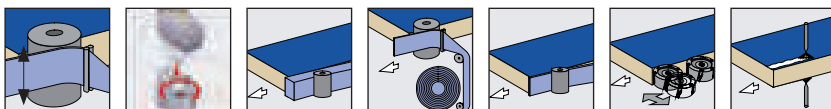
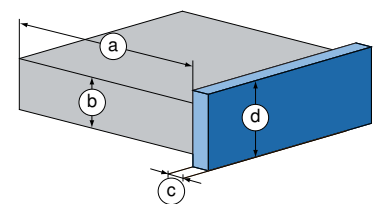
2 mm PVC



20 mm solid strips

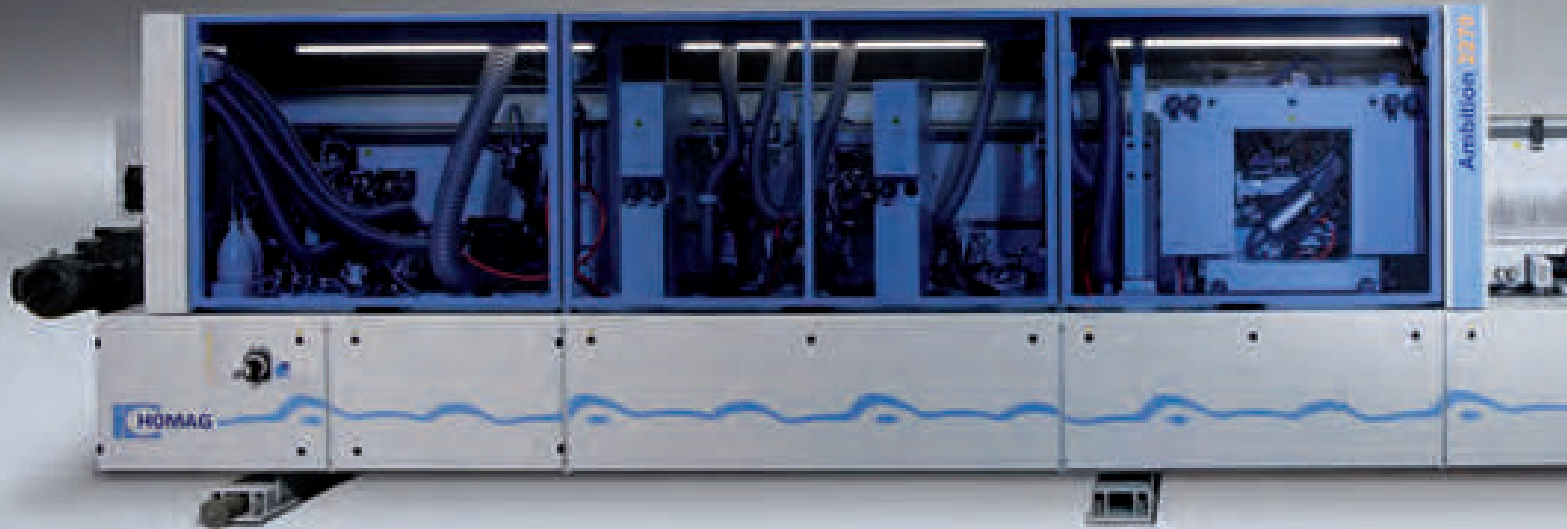


	Solid (mm)	Coils (mm)	Strips (mm)
<b>a</b>		with b = 22: min. 60 with b = 40: min. 105	
<b>b</b>	12 (opt. 8) / 40 (opt. 60)		
<b>c</b>	0.6-20	0.3-3.0	0.3-3.0
<b>d</b>	45 (opt. 65)		



# Ambition 2270 – variable edge gluing

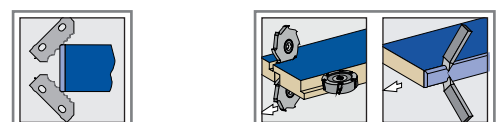
The Ambition 2270 is designed to allow gluing, precise snipping and finish processing of edges including rounding of the face sides. The finish unit at the outfeed removes any remaining glue residues and lends an outstanding grip to the edges. It takes the banding of solid strips up to 20 mm easily in its stride. If required, you can also use PU. The Ambition 2270 offers scope for mounting a uni-trimming unit. Using the four-motor profile trimming unit, even veneer edges can be rounded without splintering.

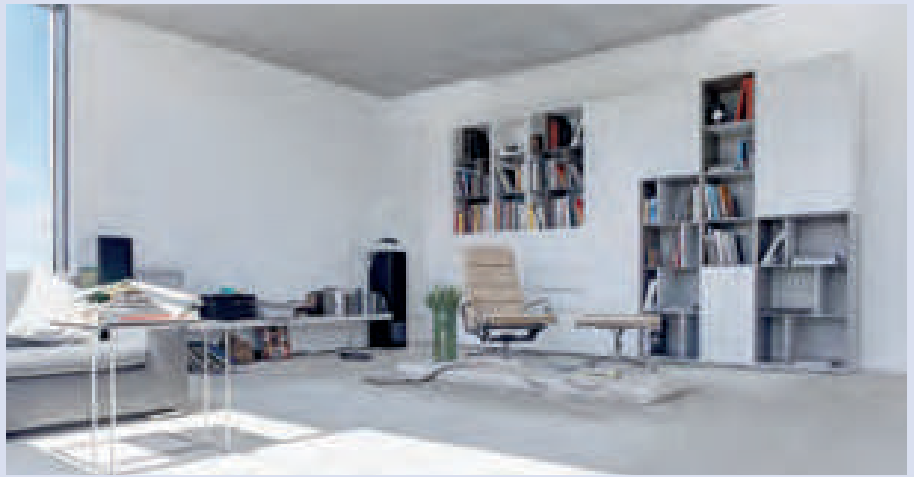


Automation package	4011
Adjustment infeed fence (automatic)	✓
Adjustment pressure zone (automatic)	✓
Adjustment snipping motor (flush/overhang)	✓
Adjustment rough trimming unit (flush/overhang)	✓
Profile trimming, 4 motors, chamfer/radius adjustment (automatic)	✓
Pneumatic adjustment PN10 + FA11	✓
Remote control for single-sided machines	✓

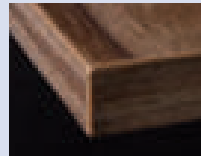


### Options free space





0.4 mm melamine



2 mm PVC



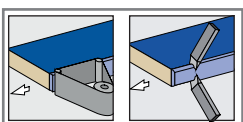
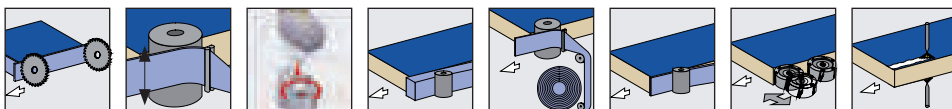
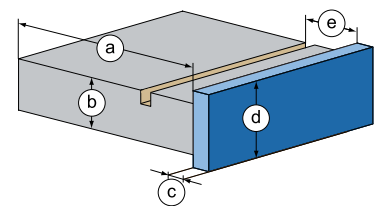
20 mm solid strips



Veneer

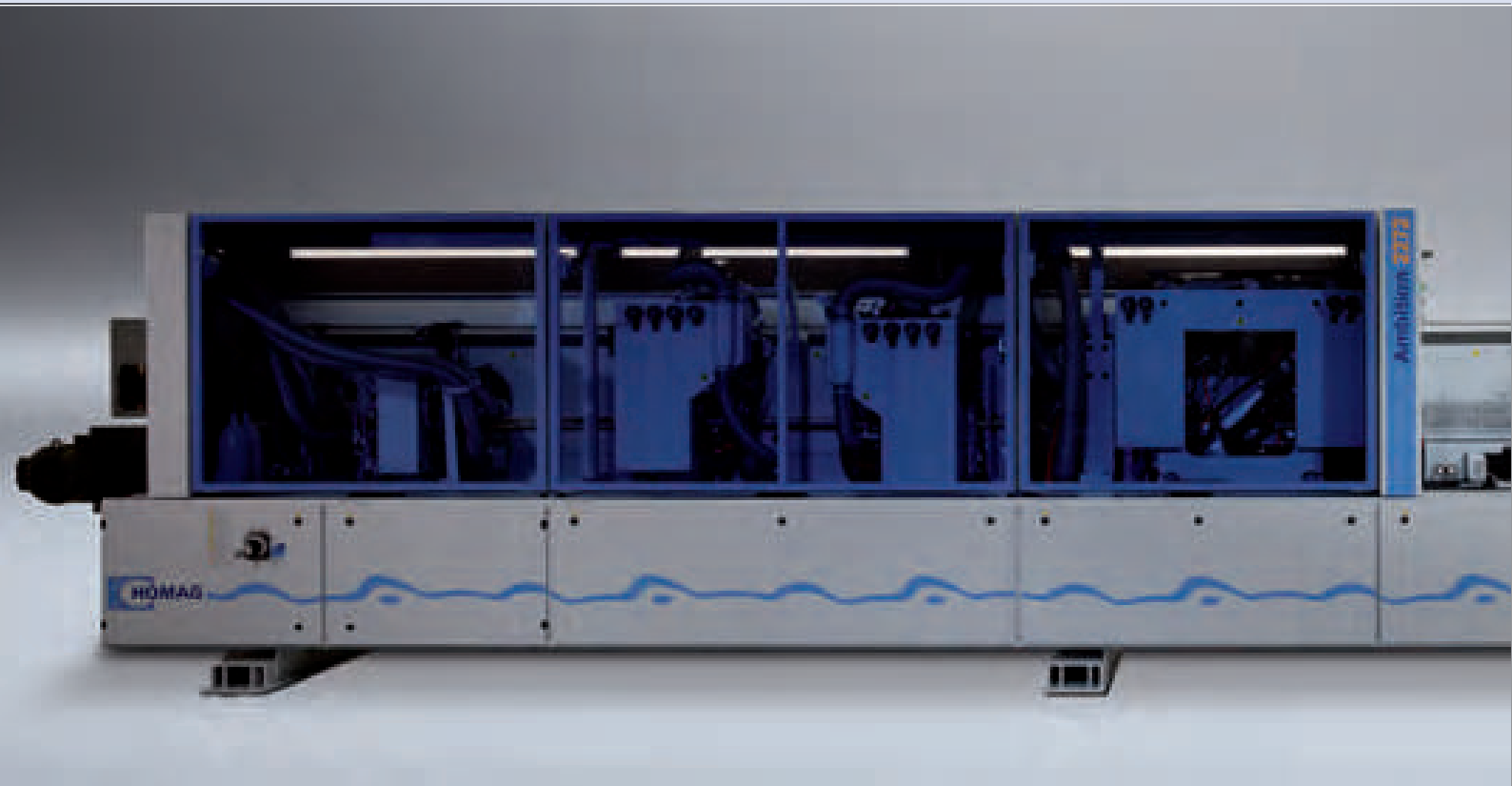


	Solid (mm)	Coils (mm)	Strips (mm)
<b>a</b>	with b = 22: min. 60 with b = 40: min. 105		
<b>b</b>	12 (opt. 8) / 40 (opt. 60)		
<b>c</b>	0.6–20	0.3–3.0	0.3–3.0
<b>d</b>	45 (opt. 65)		
<b>e</b>	max. 25		

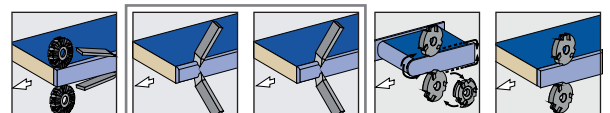


# Ambition 2272 – economy for high aspirations

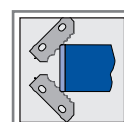
The flagship of the series: the Ambition 2272. This model is designed to allow gluing, precise snipping and finish processing of edges including rounding of the face sides. The finish unit at the outfeed removes any remaining glue residues and lends an outstanding grip to the edges. It takes the banding of solid strips up to 20 mm easily in its stride. If required, you can also use PU. Even in its basic equipment version, the Ambition 2272 offers scope for automatic changeover between different profiles, e.g. 2 mm radius and 3 mm radius.



Automation package	4015
Adjustment infeed fence (automatic)	✓
Adjustment pressure zone (automatic)	✓
Adjustment snipping motor (flush/overhang)	Standard
Adjustment rough trimming unit (flush/overhang)	✓
Profile trimming, 2 motors, chamfer/radius adjustment (automatic)	✓
Multi scraping blade MN21 (automatic)	✓
Pneumatic adjustment PN10 + FA11	✓
Remote control for single-sided machines	✓



## Option





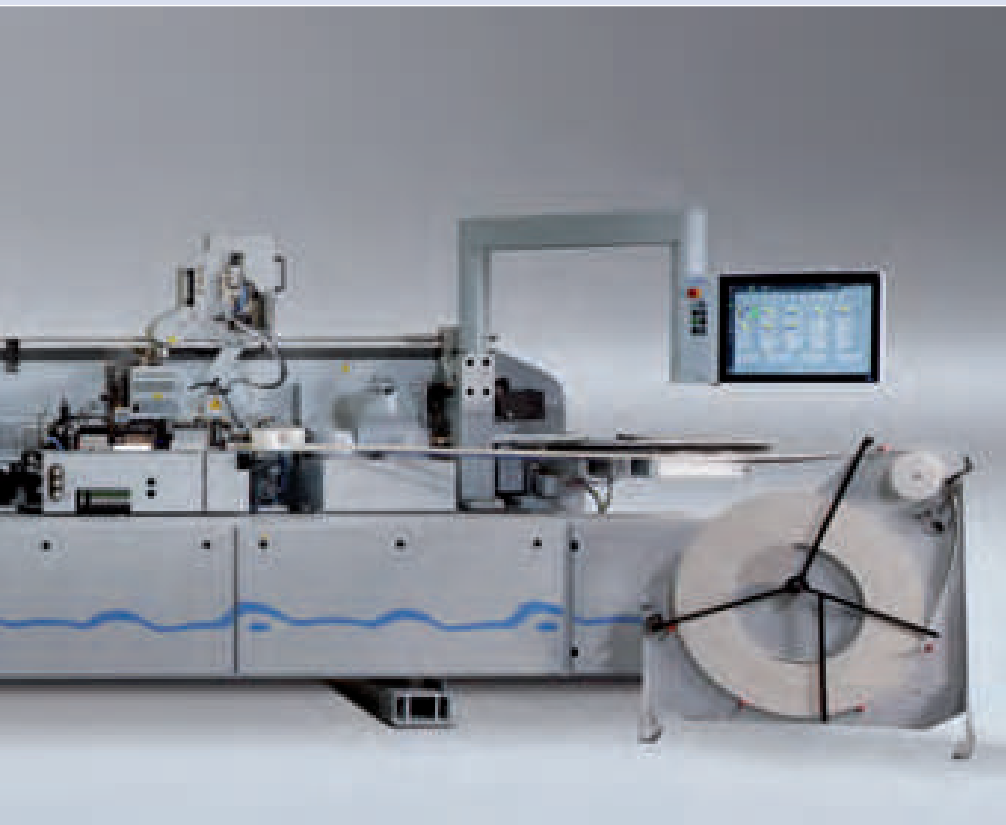
0.4 mm melamine



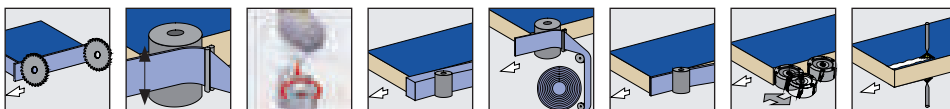
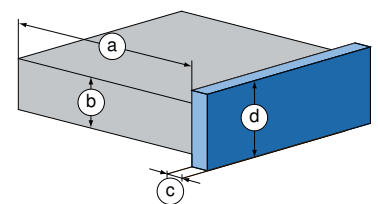
2 mm PVC



20 mm solid strips

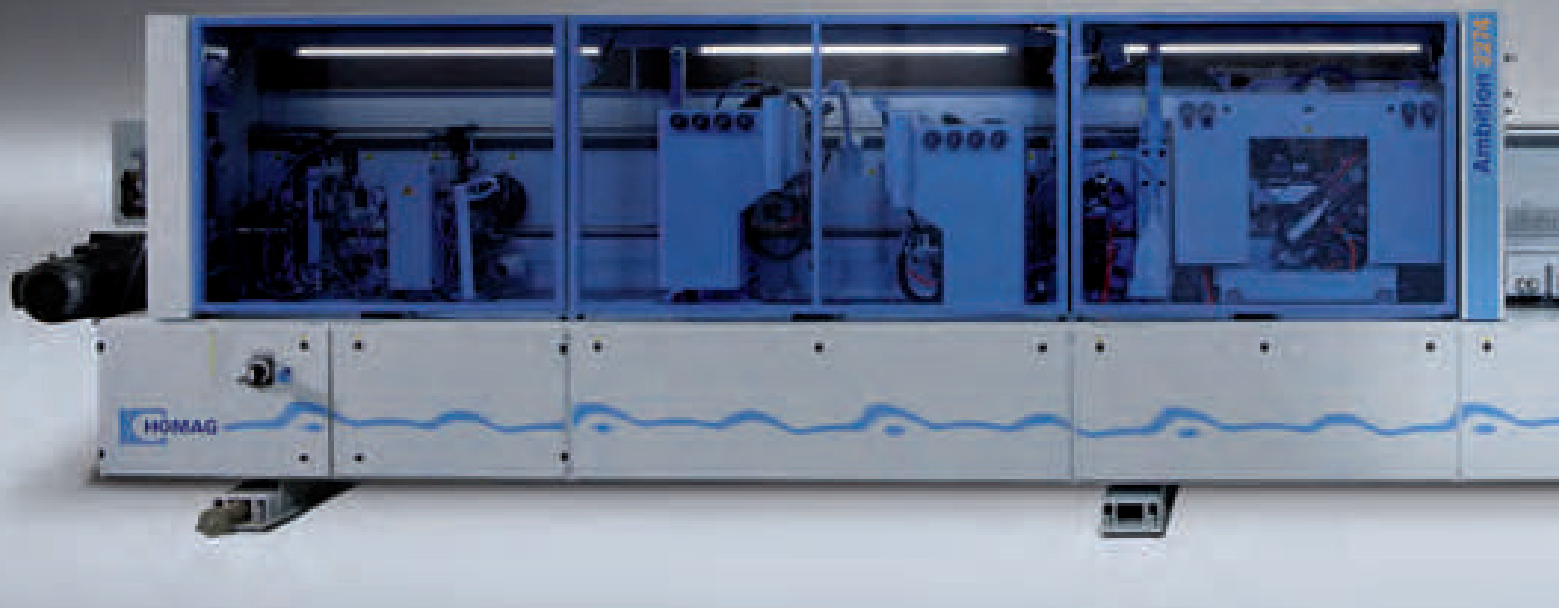


	Solid (mm)	Coils (mm)	Strips (mm)
<b>a</b>	with b = 22: min. 60 with b = 40: min. 105		
<b>b</b>	12 (opt. 8) / 40 (opt. 60)		
<b>c</b>	0.6–20	0.3–3.0	0.3–3.0
<b>d</b>	45 (opt. 65)		



# Ambition 2274 – variability at the free space

The Ambition 2274 is designed to allow gluing, precise snipping and finish processing of edges including rounding of the face sides. The finish unit at the outfeed removes any remaining glue residues and lends an outstanding grip to the edges. It takes the banding of solid strips up to 20 mm easily in its stride. If required, you can also use PU. No need to compromise with the Ambition 2264. A patented solution at the profile trimming unit permits the fast, simple changeover of profiles. The machine's free space permits four different equipment scenarios.



Automation package	4013
Adjustment infeed fence (automatic)	✓
Adjustment pressure zone (automatic)	✓
Adjustment snipping motor (flush/overhang)	✓
Adjustment rough trimming unit (flush/overhang)	✓
Profile trimming, 2 motors, chamfer/radius adjustment (automatic)	✓
Pneumatic adjustment PN10 + FA11	✓
Remote control for single-sided machines	✓



### Options free space





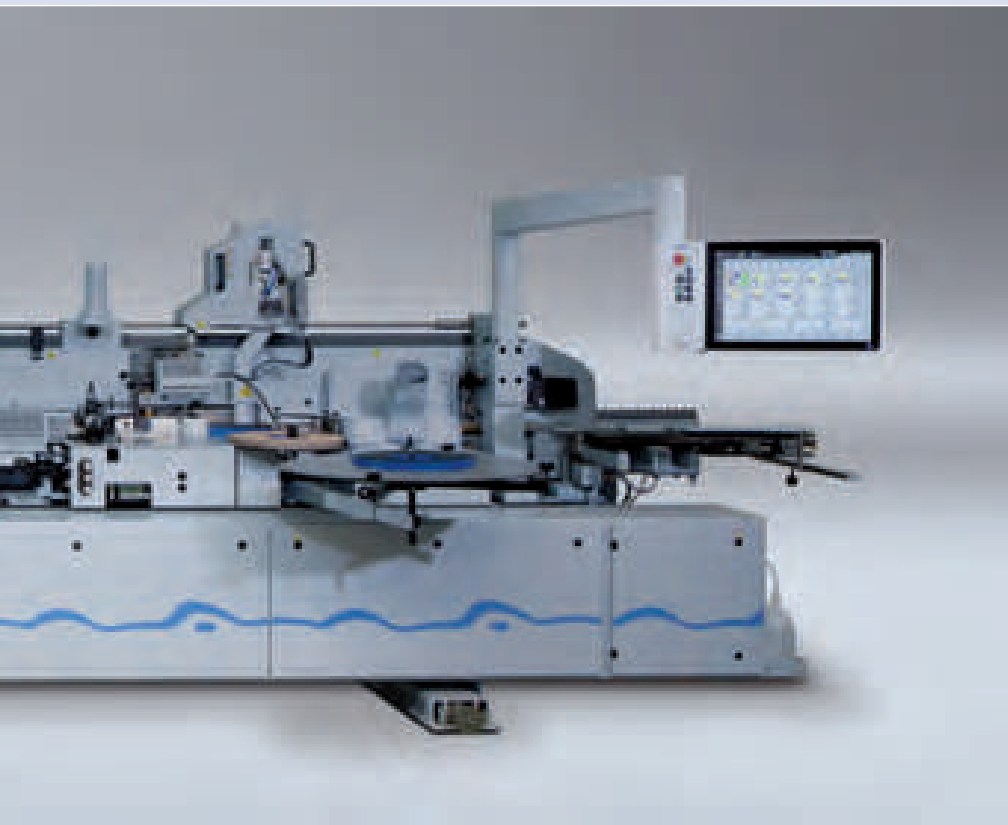
0.4 mm melamine



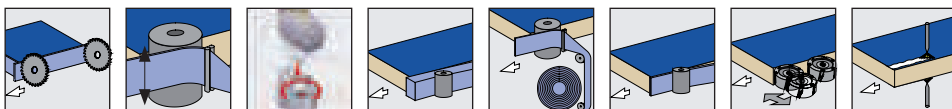
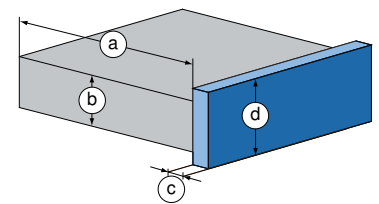
2 mm PVC



20 mm solid strips

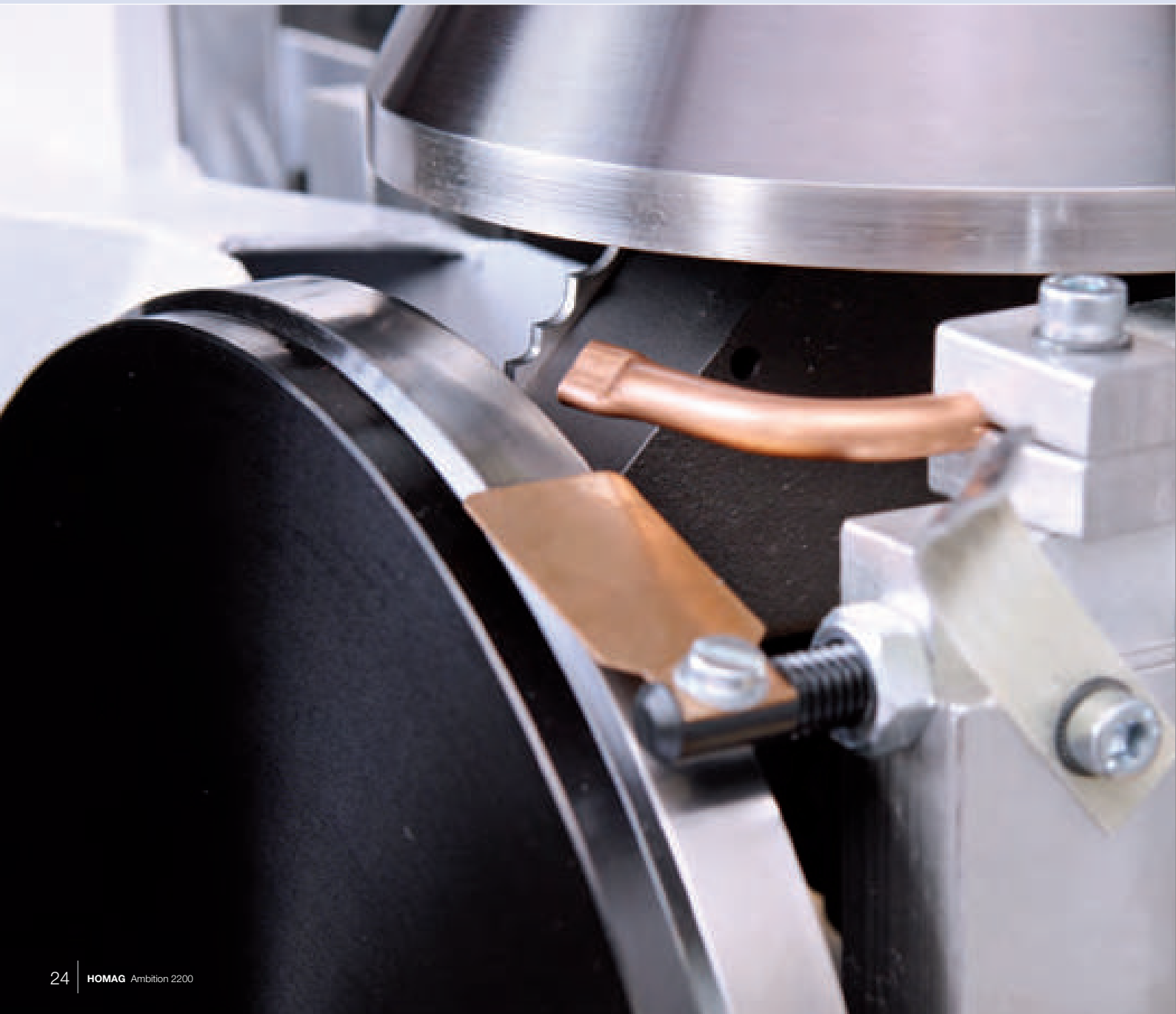


	Solid (mm)	Coils (mm)	Strips (mm)
<b>a</b>		with b = 22: min. 60 with b = 40: min. 105	
<b>b</b>	12 (opt. 8) / 40 (opt. 60)		
<b>c</b>	0.6–20	0.3–3.0	0.3–3.0
<b>d</b>	45 (opt. 65)		



# Our range of modular units – always up to date

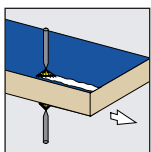
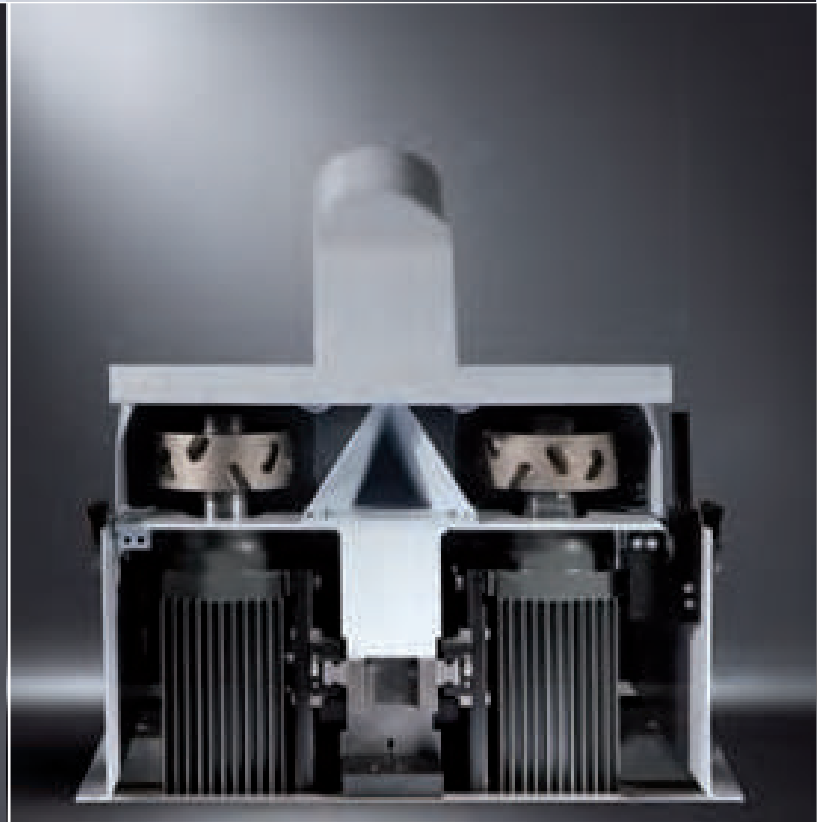
For wide-ranging different processing tasks, we use units from our tried and tested modular range. By continuously extending the offered functions, we ensure that you have the right solution available to cope with changing trends.





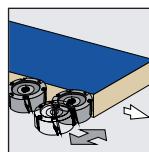
# Units – preparation for top-quality gluing

The separating agent spraying unit and the jointing trimming unit ensure optimum preparation of your workpieces for gluing. The sprayed separating agent application simplifies the removal of glue residues. The jointing trimming unit provides the perfect basis for splinter-free glue joints with a consistently high standard of product quality.



## Separating agent spraying unit

Prevents the adhesion of hot melt glue residues on the top and bottom of workpieces, so creating optimum workpiece quality.

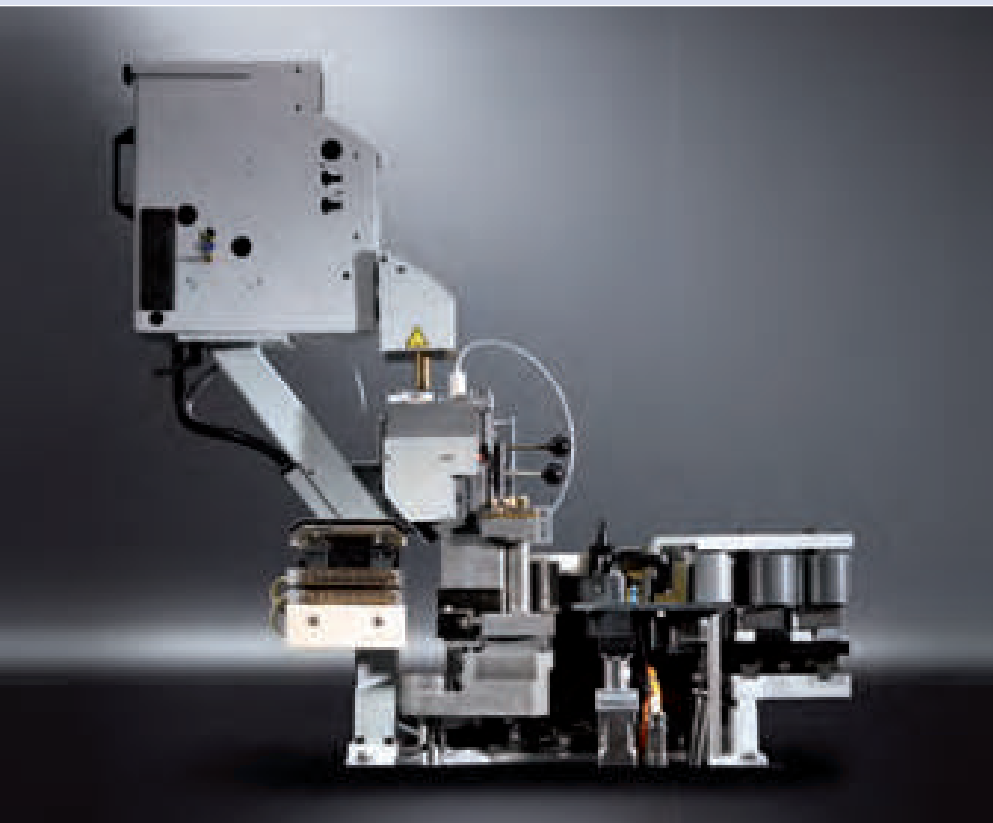


## Jointing trimming

This unit permits a high level of processing precision, is extremely hardwearing and is also designed to ensure an above-average service life. The diameter of the low-noise flying chip-optimized tool (l-system) is 125 mm.

# Gluing units – reliable hot melt glue application

HOMAG gluing units are ideal for a fast, positive-locking glue bond. The standard gluing unit uses the pre-melt system. The heated glue roller ensures an optimum gluing temperature. The magazine height adjustment permits different edge heights to be processed with a consistent workpiece thickness.



## Hot-melt gluing unit A1

For processing coil material from 0.3–1 mm.

## Hot-melt gluing unit A3

For processing coil material from 0.3–3 mm.

## Previous gluing technique



Dimensions in mm

## Optimized gluing technique with servo edge feed



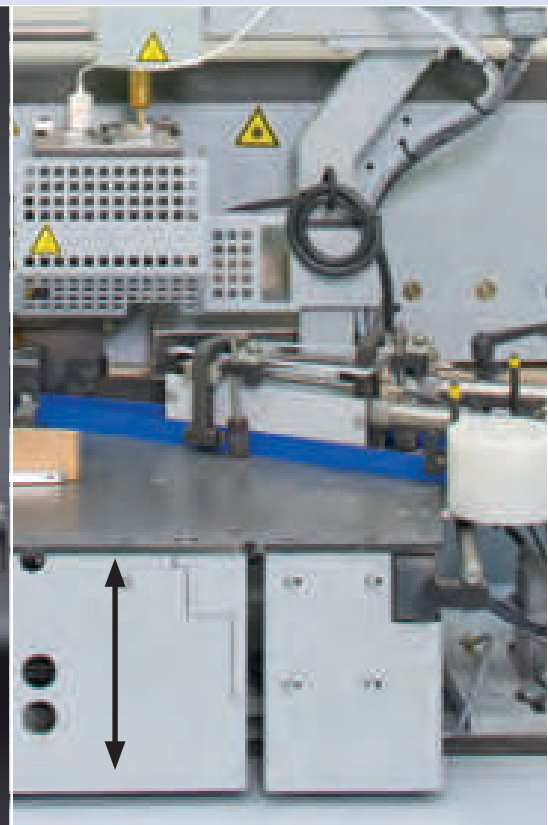
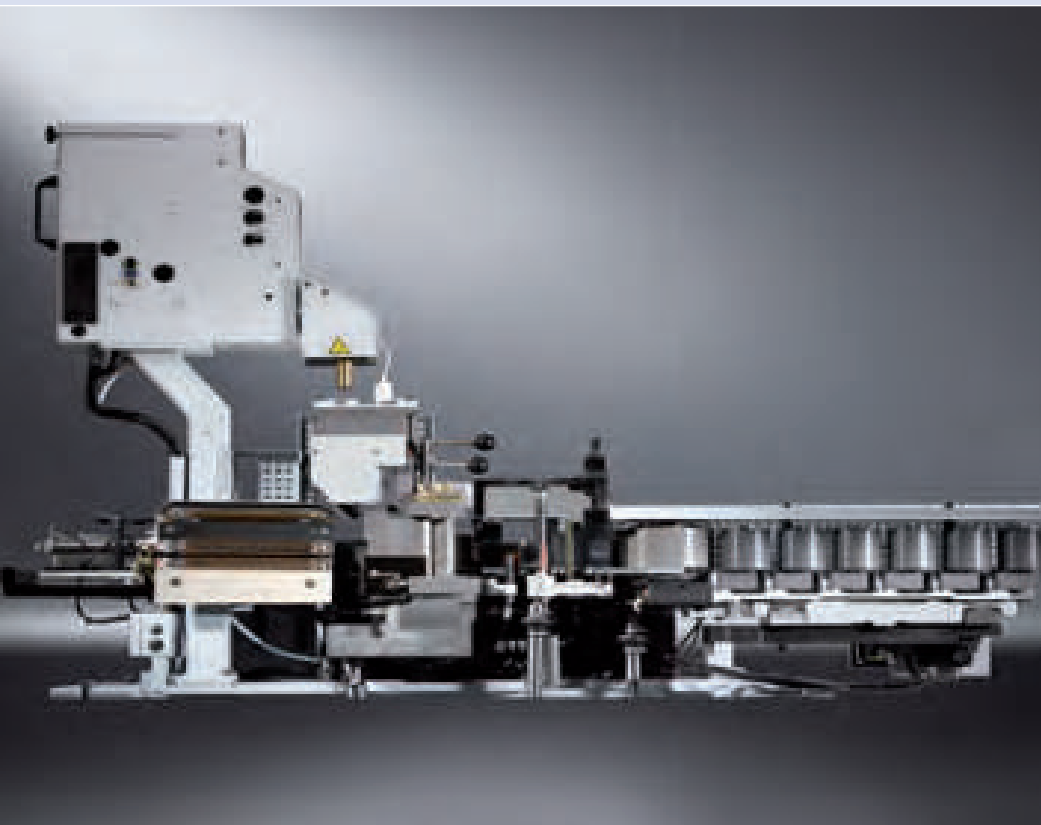
Dimensions in mm

## Servo edge feed

Edge feed with a precision of +/- 2–3 mm at the leading and trailing edge to reduce edging material waste.

## Your benefits at a glance

- Optimum glue application on the narrow surface
- Changes to workpiece thicknesses do not necessitate resetting of the glue application roller
- Magazine with 2 rollers for the fast, trouble free changeover of edges even with single edge feed
- Glue roller lift-off on feed stop
- Easy-access granulate tank and level control
- Pre-melter for melting hot-melt glue as required either manually or automatically
- Sensor for application unit level control
- Glue roller with integrated heating guarantees constant temperature and viscosity for all workpiece thicknesses
- Electropneumatic glue roller and tank clamping prevents glue soiling on the trailing edge of the workpiece
- Individual drive for glue roller and first pressure roller synchronized with feed
- Guide pad prevents application roller wear
- Simple quick-release removal of application unit (depending on the model)
- Easy access to all functions from the front simplifies operation and maintenance
- Sensor for edge monitoring prevents hot-melt glue application on the workpiece where there is no edge present. This prevents contamination of the pressure rollers
- Gluing section A6 and A20  
For solid wood edges: Manual height adjustment of the magazine
- **laserTec** retrofittable.  
Under patent law in Germany only usable with Rehau edge!



### Hot-melt gluing unit A6

For processing coil material from 0.3–3 mm and solid timber strips of up to 6 mm.

### Hot-melt gluing unit A20

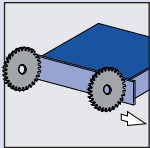
For processing coil material from 0.3–3 mm and solid timber strips of up to 20 mm.

### Magazine height adjustment

For processing coil material from 0.3–3 mm and solid timber strips of up to 20 mm. Different edge thicknesses can be processed with a single edge height.

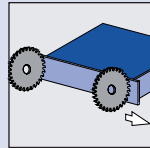
# Snipping units – the perfect preparation for trimming

The snipping units prepare the workpieces perfectly for subsequent trimming operation. The face side can be snipped either straight or with chamfer.



## Snipping unit HL81

For a clean snipping cut of overhanging edges on leading and trailing workpiece edges using the drawing cut technique.



## Snipping unit HL84

For snipping the edge overhang at the leading and trailing workpiece edge with stationary snipping stop to protect sensitive workpieces from damage. Drawing snipping cut for optimum snipping saw cutting quality. The minimum gap between workpieces is 400 mm.



## Automation as standard

Programmable chamfer/straight snipping motor adjustment for fast changeover between straight snipping and snipping with chamfer.

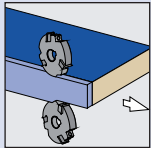


## Automation to suit every need

For fast changeover between flush snipping (e.g. of solid strips or inlay shelves) and snipping with overhang (e.g. for finish trimming with profile trimming unit).

# Shaping up your edges – trimming units for flush and profile trimming

From rough trimming prior to flush trimming to four-motor profile trimming for corner rounding, HOMAG has precisely the right solution to offer for processing overhanging edges. The trimming units are equipped exclusively with I-tools. This and the HOMAG-patented HSK interface ensure a high standard of processing quality and a long tool life.

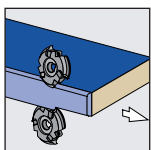
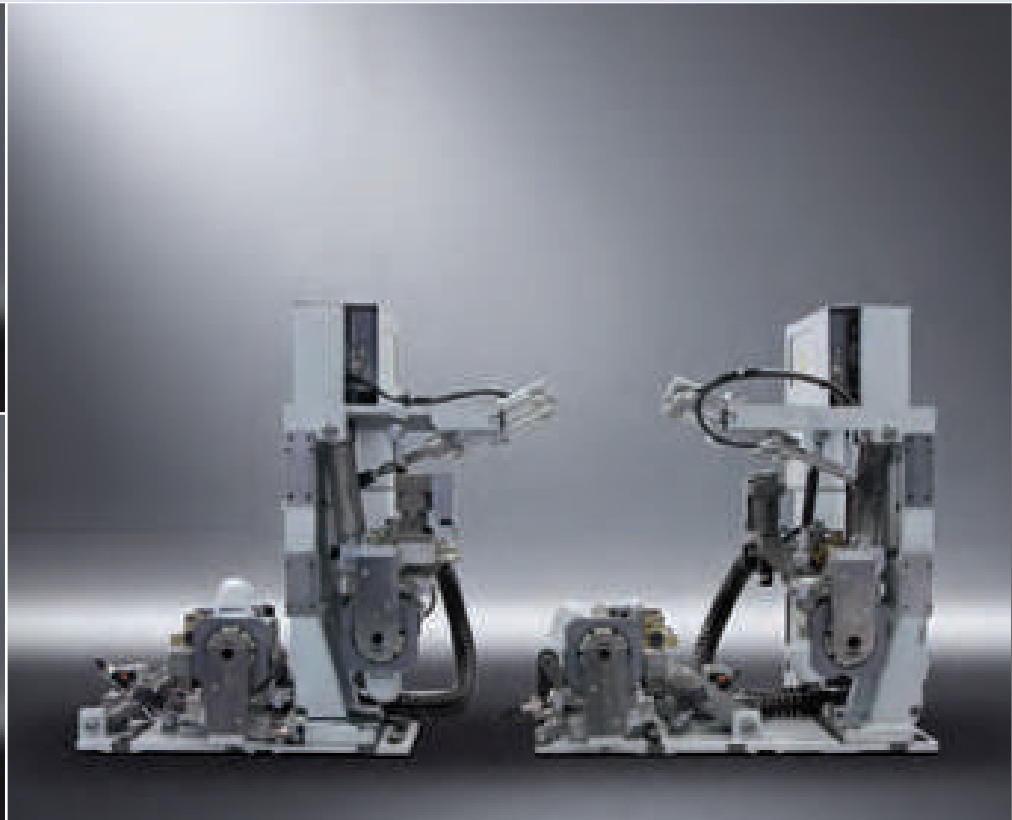


## Rough trimming unit

For rough trimming the upper and lower edge overhang.

## Automation to suit every need

For automatic changeover from flush trimming to trimming with edge overhang.

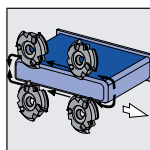


## Fine trimming unit

For trimming chamfers and radii with manual adjustment.

## Automation to suit every need

Chamfer/radius adjustment for fast changeover from for instance 0.4 mm to 2 mm edges.



## Profile trimming unit FF32

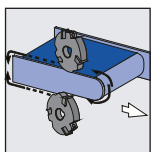
For rounding top and bottom edges on the leading and trailing workpiece edges. By dividing the cut over four motors, each corner can be processed in synchronous rotation. This lends corners a perfect trimmed finish for every edging type – even with veneer.

## Automation to suit every need

Chamfer/radius adjustment for fast changeover from for instance 0.4 mm to 2 mm edges.

# Profile trimming – for rounded edges

HOMAG profile trimming units are universal. As a user, your job is to program any profile that takes your fancy: Then stand back and watch the extreme speed and precision of the expert execution. The efficient mode of operation results in higher productivity. Our dual-motor profile trimming units permit both corner rounding and trimming of upper and lower overhanging edges.

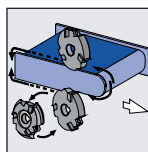


## Profile trimming unit FK11

For processing overhanging edges and trimming around the leading and trailing edge.

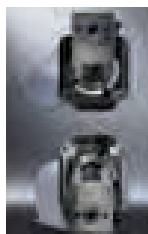
### Automation to suit every need

Chamfer/radius adjustment for fast changeover from for instance 0.4 mm to 2 mm edges.



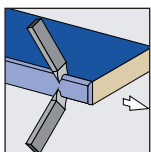
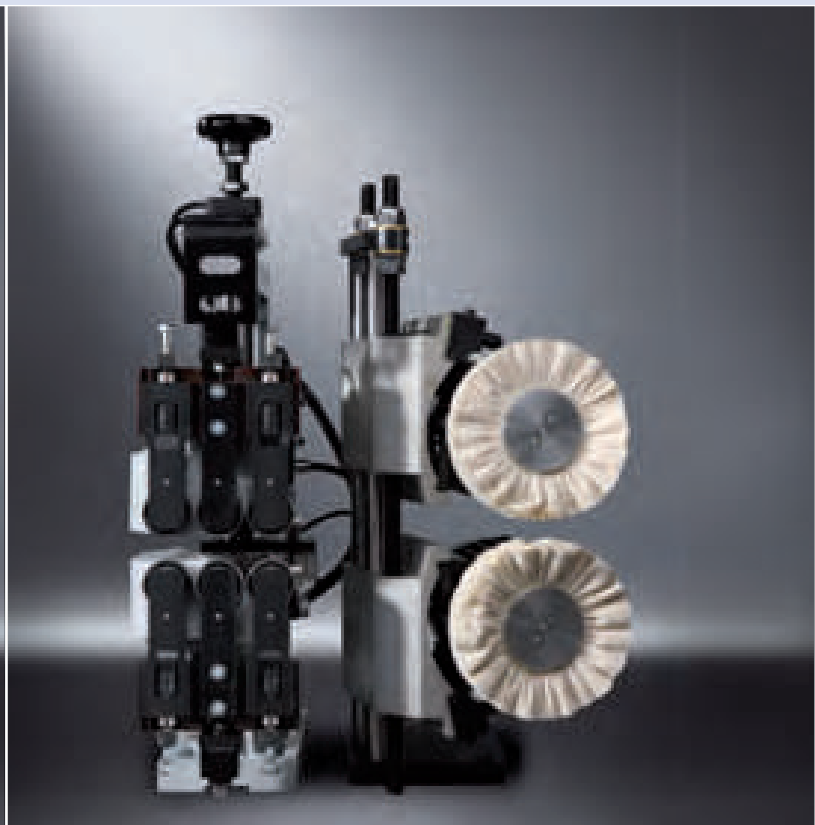
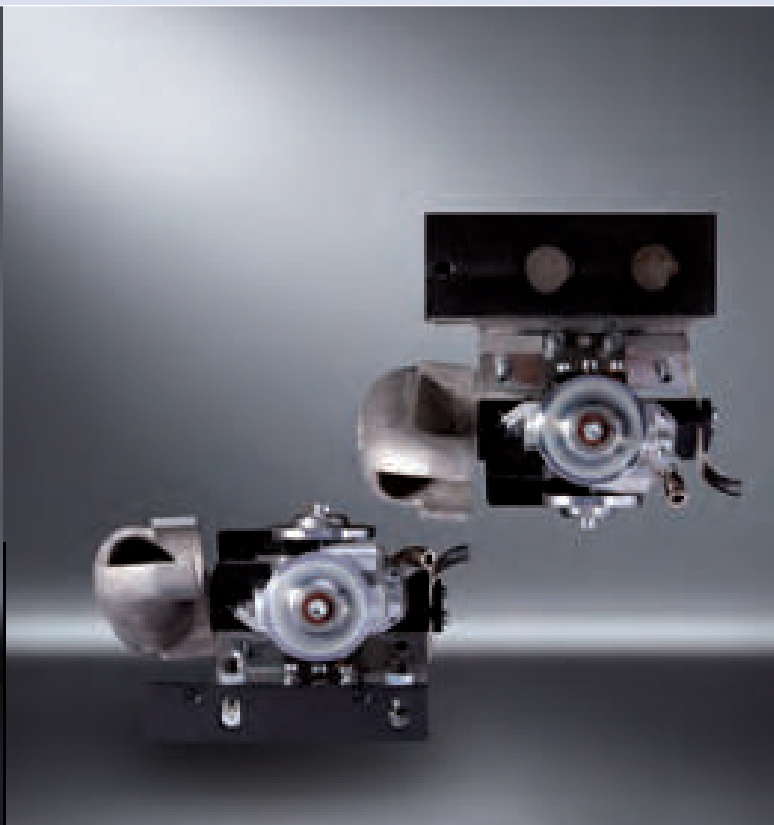
## Profile trimming unit FK13

For processing overhanging edges and trimming around the leading and trailing edge. With 8-slot tool changer for automatic changeover to different profiles. The HSK interface ensures the optimum trimming quality.



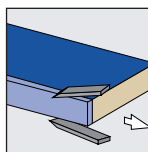
# Finish – all's well that ends well

The quality of your products is increased by the use of perfectly coordinated finishing units. Leave the finish to HOMAG.



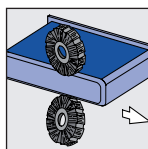
## Profile scraper unit PN10

For smoothing trimmed edges to achieve an optimum appearance.



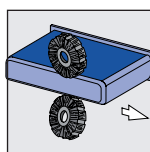
## Finish processing

Comprising a glue joint scraper unit for disposal of glue residues at the top and bottom of plastic edges and a buffing unit.



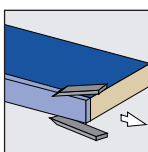
# Units to suit your individual needs

To address the most stringent demands, HOMAG has developed units which eliminate the need for manual finish processing. The edges of your workpieces are finish processed and cleaned. In keeping with your specific requirements, we will recommend the most suitable finishing equipment solution.



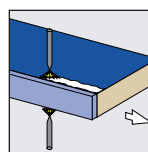
**Buffing unit FA06  
top and bottom**

For gripping edges.



**Finish processing unit FA10**

Comprising a glue joint scraper unit for disposal of glue residues at the top and bottom of plastic edges.



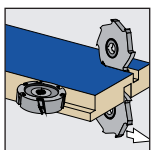
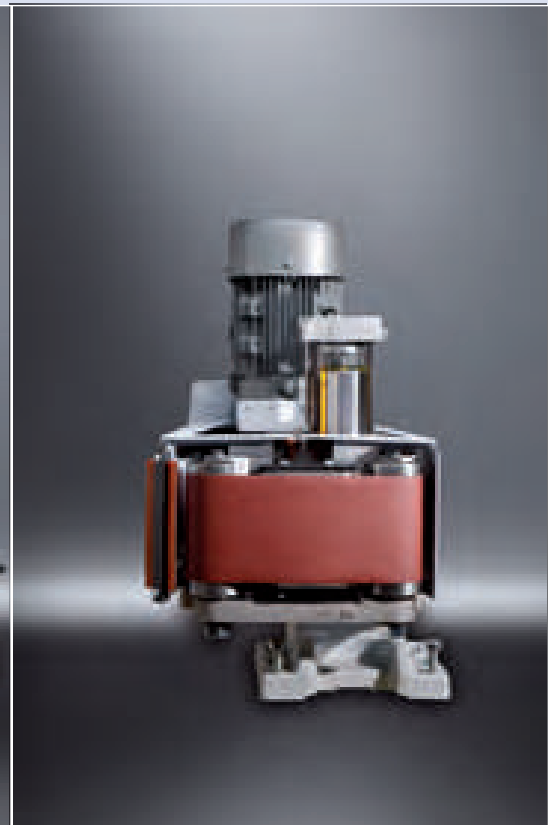
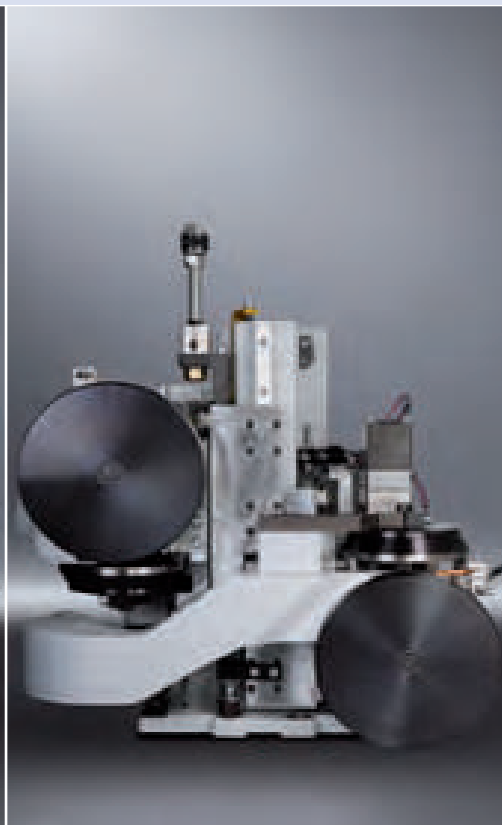
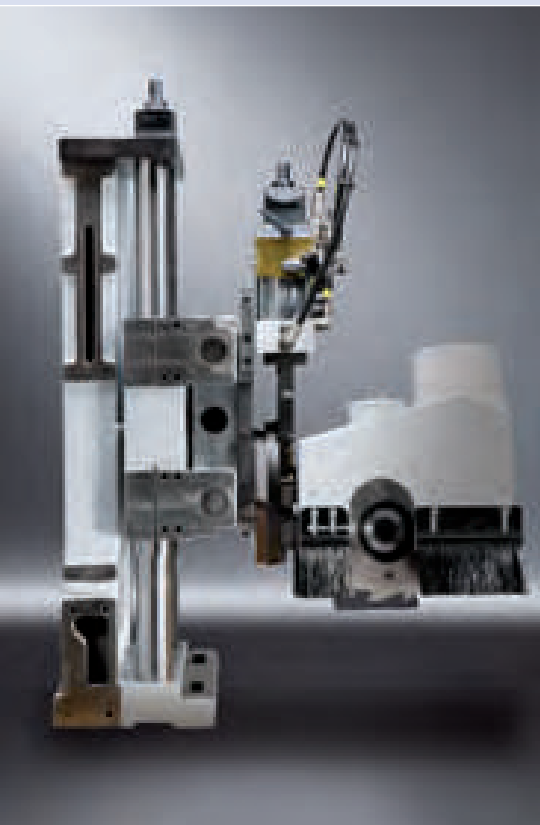
**Cleaning agent  
application**

Spray unit for application of cleaning agent to the workpiece above and below. Mounting upstream from the buffing unit.



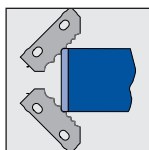
# Units on the free space

Depending on the Ambition model, a free space is available for individual equipment. The choice is yours between the grooving trimming unit, belt sanding unit or a multi scraper unit.



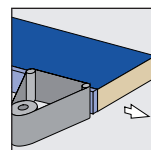
## Universal trimming unit UF10

For grooving, rebate  
trimming and profiling.



## Multi scraper unit MN21

For smoothing trimmed edges for  
an optimum appearance. Optimum  
resetting for different profiles,  
corrections to a pinpoint standard  
of accuracy. Reproducible quality  
to the highest standard.



## Belt sanding unit KS10

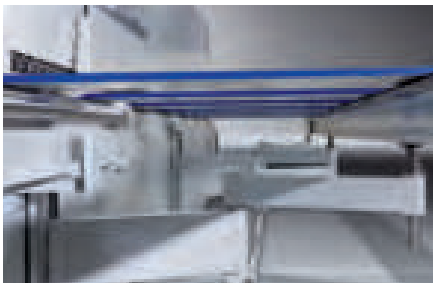
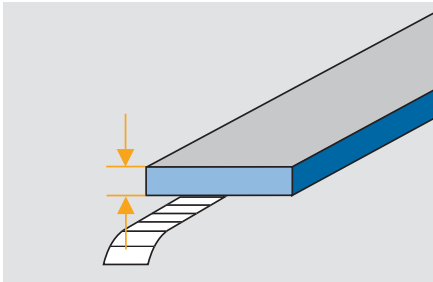
For sanding straight  
veneered and solid edges  
including oscillation as a  
standard feature.

# Additional equipment

For every Ambition model, we offer ideal supplementary equipment options to upgrade the existing equipment outfit for your specific needs.

## Increase of workpiece thickness to 60 mm

By raising the height of the units.  
With jointing trimming: I-DIA jointing trimming tool 63 mm.

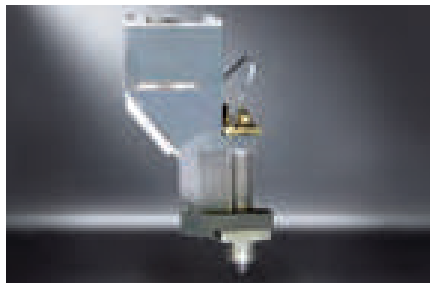


## Scissor-design workpiece support

Conveniently extendable to 1 000 mm.

## I-DIA jointing trimming unit WD 63

For workpiece thicknesses of 60 mm with tool diameter 125 mm.



## QA glue tank front section for exchanging

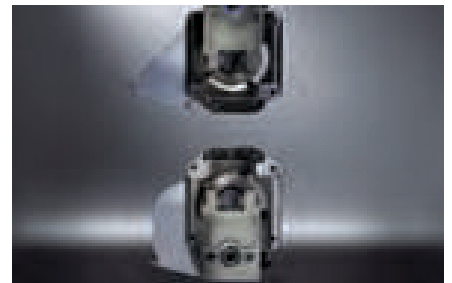
For fast exchange between different types of hot melt glue.

## QA glue tank front section to be exchanged for PU application

Teflon coated.

## PU melting unit

For melting 2 kg drums of PU. Melting output 6 kg/h.  
No nitrogen gassing required.



## Exchange head set for FK11 and FK13

Fast, precise changeover of the exchange head for FK11 and FK13. Different lateral tracing configurations: Non-adjustable, manually and automatically adjustable.

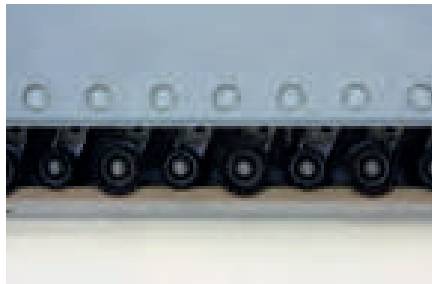
### Exchange device FF32

For exchanging the complete assembly (tool with motor and motor retainer) instead of the tool. Configurations: Manually and automatically adjustable.



### Tight roller distance

Optimal workpiece guidance in the area of the profile trimming unit for workpiece length < 240 mm.



### I-system DIA-radius/chamfer trimming unit

R = 1.5–3 mm, chamfer 15°. Tool for optimized chip removal.



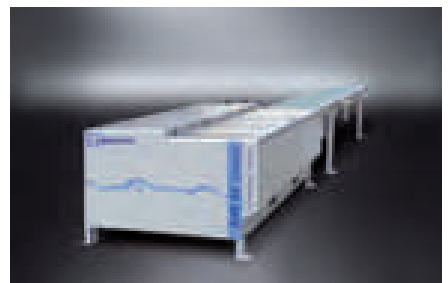
### Quick-change head set PN10

Fast profile change without adjustment work. Configurations:  
R = 1.5 mm  
R = 2 mm  
R = 2.5 mm  
R = 3 mm



### Increased cooling output > 40° C

To protect the electronic system at ambient temperatures of over 40° C. Ensures reliable, trouble-free production even in extreme climate conditions.



### Pre-installation of the LIGMATECH return conveyor

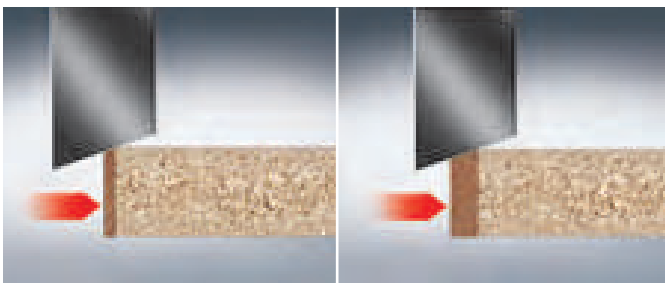
Boomerang return conveyor for the models: ZHR 01, ZHR 02, ZHR 05, ZHR 500.

# Automation packages

The Ambition 2200 automation packages will help you achieve higher productivity due to substantially faster resetting. All axis adjustment processes are performed by means of servo axes. Adjustment is program controlled for optimum precision and repeat accuracy.

## Programmable adjustment of the flush/overhang snipping motor

For fast changeover between flush snipping (e.g. of solid strips or inlay shelves) and snipping with overhang (e.g. for finish trimming with profile trimming unit).

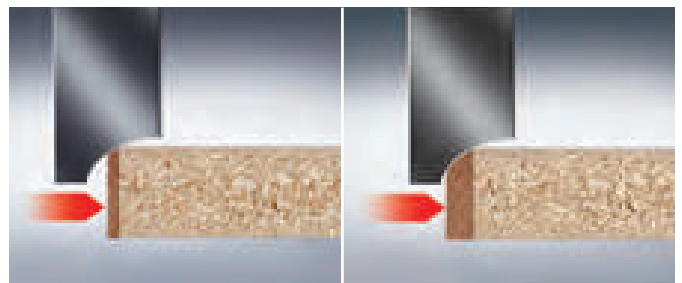
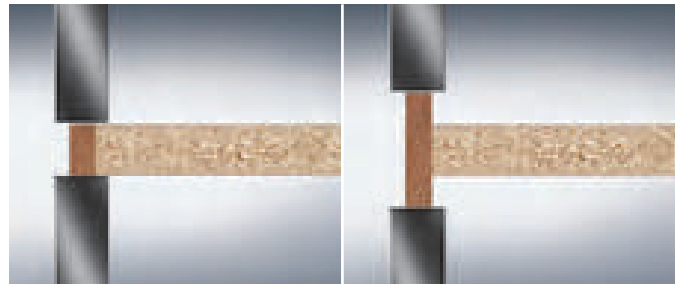


## Automatic adjustment to different chamfer thicknesses

Profile trimming FK11 and FK13.

## Automatic adjustment of the flush/overhang rough trimming unit

For automatic changeover from flush trimming to trimming with edge overhang.



## Automatic adjustment of chamfer and radius

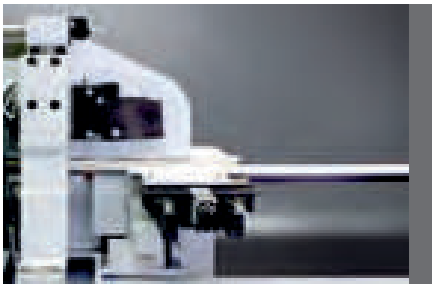
Profile trimming FF32, FK11 and FK13.

### Your benefits at a glance

- Program controlled adjustment for optimum precision and repeat accuracy
- Faster resetting
- Increased productivity
- All axis adjustments are executed by controlled servo axes for high-precision programmed adjustments

#### Automatic adjustment of the infeed fence

Program controlled adjustment of servo axis for optimum precision and repeat accuracy.



#### Remote control

This allows the feed system to be started while the operator is standing by the unit during setting work.



#### Automatic adjustment of the pressure zone

Programmed adjustment via servo axis in line with the relevant edge thickness.



#### Pneumatic adjustment for PN10/finish processing unit

Automatic cut-in and cut-out from the work area.



#### Multi scraper unit MN21

Changeover between different profiles, e.g. chamfer 20°, R2 and R3.

- Servo axes for programmed horizontal and vertical adjustment
- Workpiece scanning from above or the side for precise edge profiling

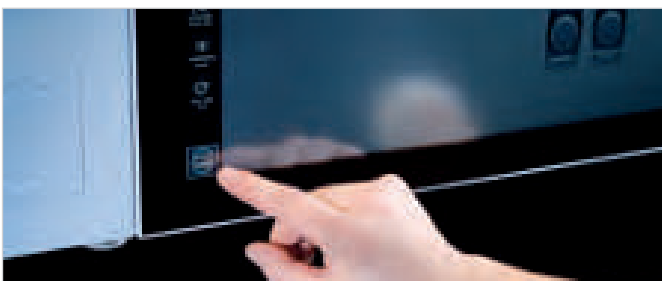


# powerTouch – the new HOMAG control system: easy, equal, ergonomic and evolutionary

HOMAG machines are designed to make simple operation and reliable control a matter of course. Our innovative touchscreen operating philosophy combines design and function to create a completely new control generation. The new system is characterized by full HD multitouch monitor, ergonomic touch operation, simple navigation and the standardized user interface.

## Easy

- The easy, intuitive operation of powerTouch increases the speed and reliability of inputs
- Modern software modules supply information on the machine status at a glance
- Integrated help and assistance functions result in greater production readiness

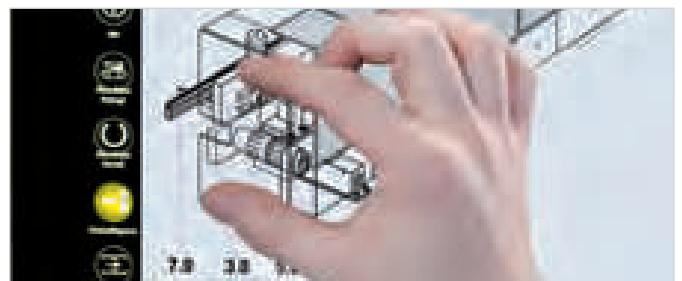


## Ergonomic

- Direct control via the touch-sensitive touchscreen monitor
- New ergonomic design of powerTouch control center
- Intuitive operation through gesture control for functions such as zooming, swiping, scrolling

## Equal

- Standardized operating elements, software modules and standardized design characterize the powerTouch control system for HOMAG Group machines
- This allows different HOMAG Group machines to be controlled in the same way,
- making for simpler, more efficient operation



## Evolutionary

- Design and function united in a totally new control generation
- The futuristic powerTouch machine control system is combined with state-of-the-art operating concepts used in smartphones and tablet PCs



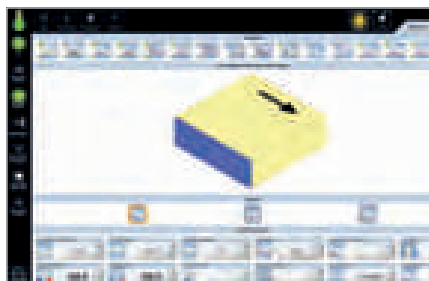
#### Control with powerTouch

Using the widescreen format multitouch monitor, control machine functions by direct touch contact. The ergonomically optimized design and an array of new help and assistant functions substantially simplify operation.



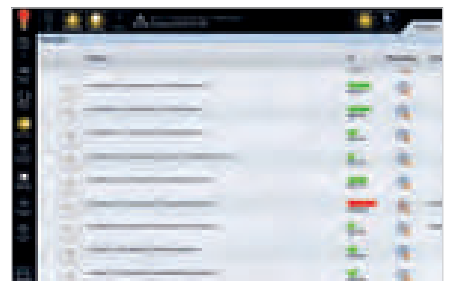
#### Programming with woodCommander

The programming system for all HOMAG throughfeed machines. Extreme user convenience due to input screens with graphic support – for simple navigation and menu prompting.



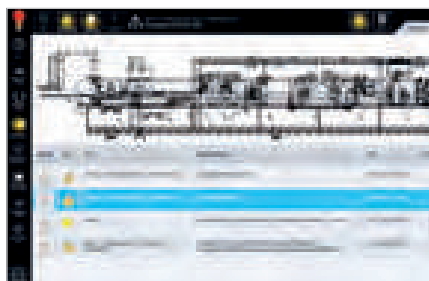
#### Evaluation with MMR Basic

The MMR – Machine Monitoring and Reporting software evaluates the productivity of your machine. The number of produced workpieces, machine deployment time and running meters of edging are all logged. The utilization-dependent maintenance instructions ensure optimum execution of maintenance work.



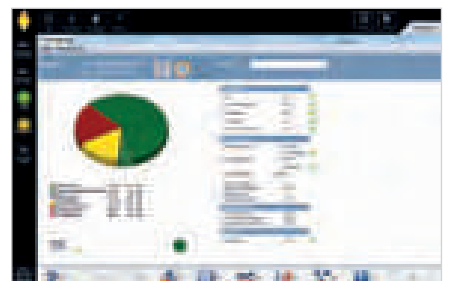
#### Support via TeleServiceNet Soft

High-speed service and help provided by targeted troubleshooting and support over the Internet.



#### Option: Diagnostic system woodScout

Alongside error messages in plain text, woodScout also provides a graphic representation of the error location. In addition to the system's expert knowledge database, users can store their own troubleshooting solutions.



#### Option: MMR Professional

The MMR Basic upgrade additionally evaluates shifts, analyzes error messages and permits a link to be created to the data evaluation center in the office. You are provided with productivity key indicators, support in problem analysis and an overview of optimization potential.

# You invest, we reduce:

## Life cycle cost management and ecoPlus

It is not the investment costs which decide the economic success of your production, but the capacity utilization and unit costs. This is why our primary objective is to combine top class production with higher productivity and consequently lower unit costs. With the new ecoPlus technology package from the HOMAG Group, you will also be helping to conserve precious energy, time, material and personnel resources.



### Unit cost reduction through:

#### Optimum financing

- HOMAG Finance offers optimized financing concepts based on individual business administration requirements
- The outstanding value stability of HOMAG machines offers benefits in terms of leasing and subsequent replacement investment

#### High level of processing quality "without" finish processing

- Perfectly coordinated machine configuration

#### Practically oriented training

- Selective and targeted training will help you quickly achieve full productivity
- Your employees will be prepared for safe, efficient HOMAG machine operation

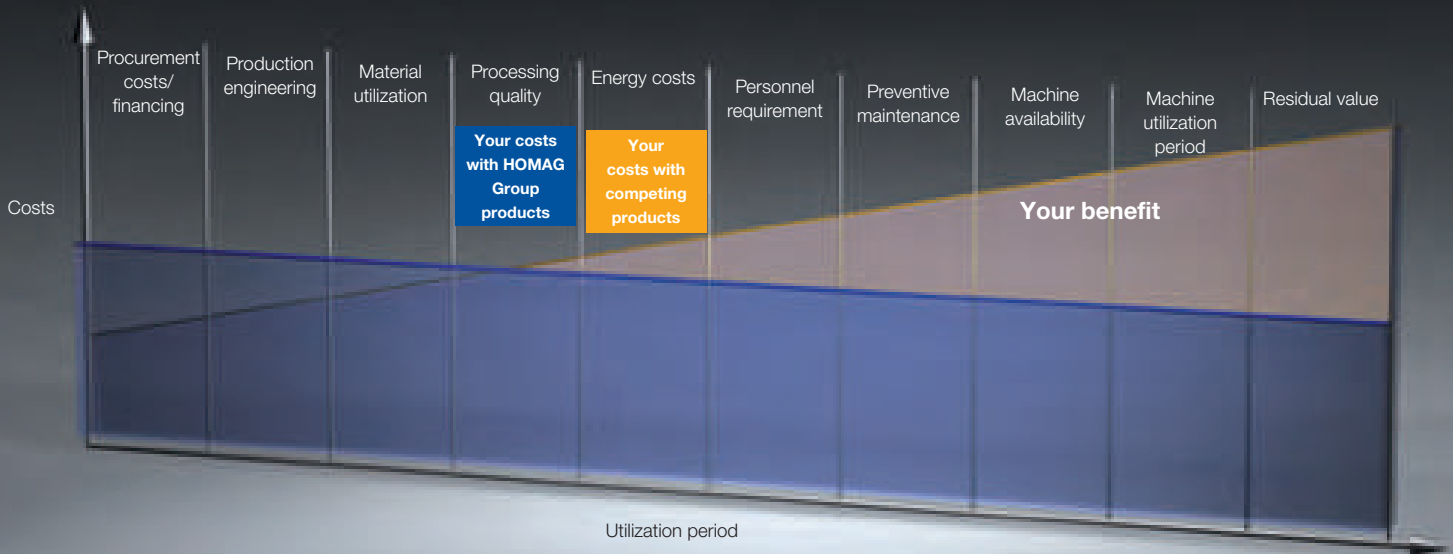
### Reduced unit labour costs

- Fast, simple operating capability of machines
- Simple resetting processes

### High degree of machine availability

- Worldwide servicing minimizes downtime
- TeleServiceNet – our "eye" into the machine avoids costly on-side services
- woodScout diagnostic software – intelligent self-help for all machine operators





### Preventive maintenance

- MMR software provides the machine operator with an indication of required maintenance
- Regular inspections and preventive maintenance help avoid faults and prolong the service life
- Support through the worldwide HOMAG service organization which draws on over 500 technicians

### Machine utilization period

- Continuous expansion of functionality ensures compliance of the machines with the requirements of tomorrow
- The HOMAG conversion department offers solutions to address major conversion requirements, ensuring a high degree of investment security over years

### Minimal energy costs with ecoPlus\*

- Intelligent stand-by operation reduces energy costs during break periods by up to 90 %.
- A valve control system switches the extraction on only for units which are actually operational. This reduces extraction costs by up to 20 %
- I-tools reduce the necessary extraction speed per individual I-tool. Current consumption per machine is reduced in this way by around 1 250 kWh. This does not take into account savings due to room air which requires no extraction (heating / air conditioning)
- The PC22 control switch cabinet is cooled using cool plate technology. This passive cooling system requires no energy. No filters require changing and maintenance costs are saved. The system also remains closed. No dust is able to penetrate
- All drive systems comply with energy efficiency category IE2
- Optional measurement and visualization of current consumption data from compressed air extraction and flow to optimization of overall energy consumption

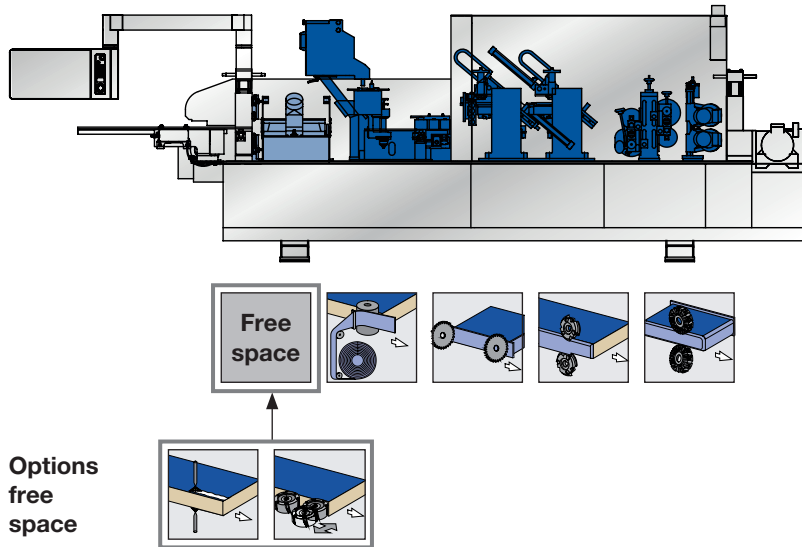
### Material savings with ecoPlus

- Servo edge feed systems cut material consumption by reducing the edging used per workpiece

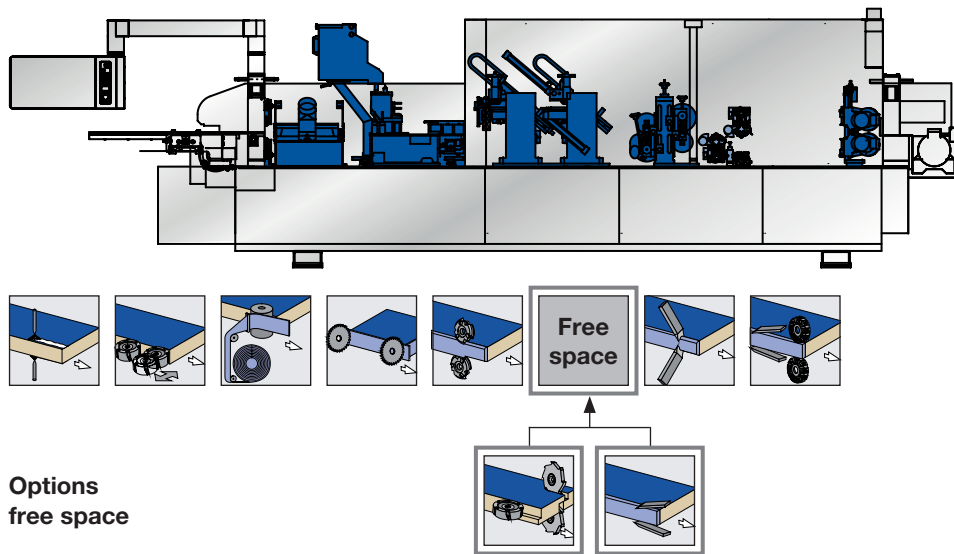
\* Depending on equipment configuration, service period and workpiece spectrum.

# Technical data Ambition 2220, 2240, 2250

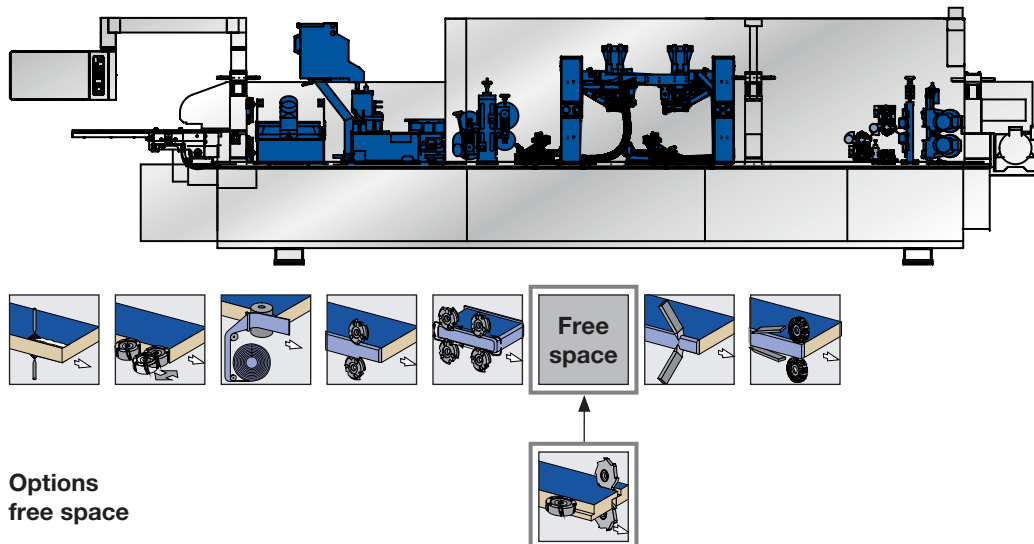
## Ambition 2220



## Ambition 2240



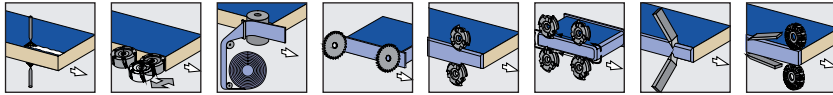
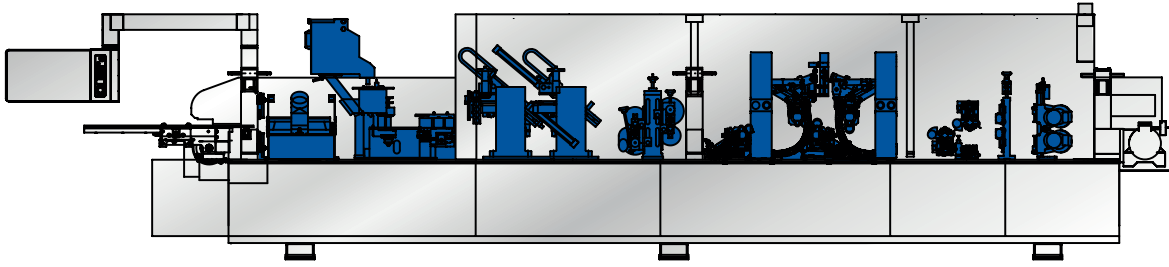
## Ambition 2250



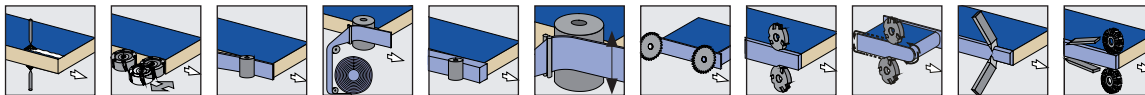
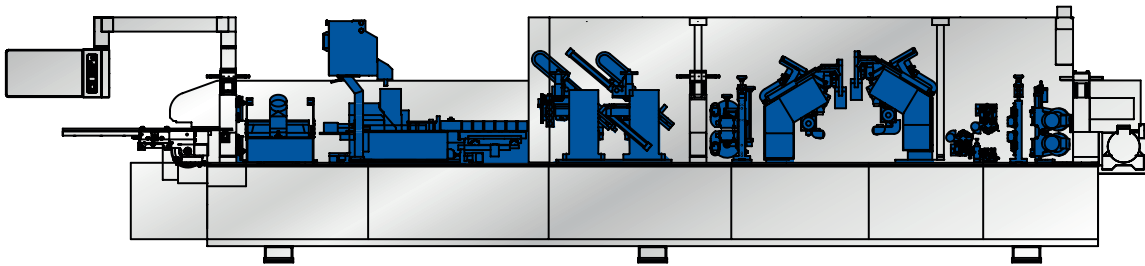
	Ambition 2220	Ambition 2240	Ambition 2250
	<b>Machine dimensions</b>		
Overall length [mm]	5 130	6 130	6 880
Overall width closed [mm] / open [mm]		910/ 1 540	
Overall height closed [mm] / open [mm]		1 820/ 2 250	
Working height [mm]		950	
	<b>Working dimensions</b>		
Workpiece width [mm] with workpiece thickness 12–22 mm		min. 60 dependent on workpiece length	
Workpiece width [mm] with workpiece thickness 23–40 mm		min. 105 dependent on workpiece length	
Workpiece thickness [mm]		min. 12–40 (opt. 8–60)	
Edge thickness, coils [mm]	0.3–1		0.3–3
Edge thickness, strips [mm]			–
Workpiece overhang fixed [mm]			30
Edge cross-section [mm <sup>2</sup> ] – Solid – Coils	- 135	- 135	- 135
	<b>Miscellaneous</b>		
Adjustable feed [m/min]		18–25	18–25 (opt. 32)
Connected load [kW]	19	26	28
Total suction output appr. [m <sup>3</sup> /h]	2 280	3 860	6 150
Total suction output appr. [m <sup>3</sup> /h] without equipment of the free space		3 070	5 350
Pressure loss appr. [Pa]		2 500	
Compressed air consumption appr. [NI/min]	315	585	720
Electrics	for public power supply all over the world		
Pneumatic system [bar]		6–7	

# Technical data Ambition 2260, 2262, 2264

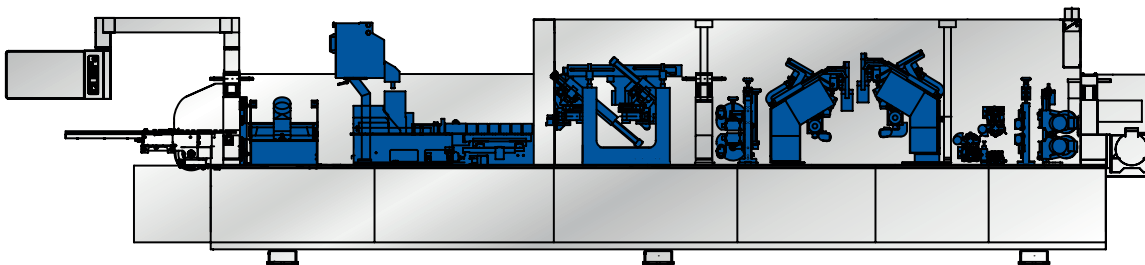
## Ambition 2260



## Ambition 2262



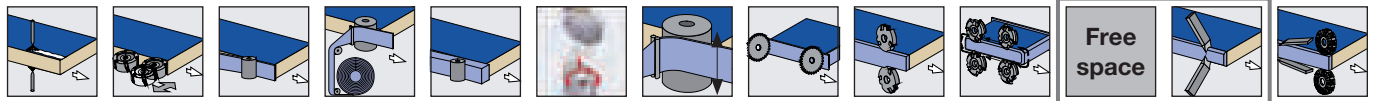
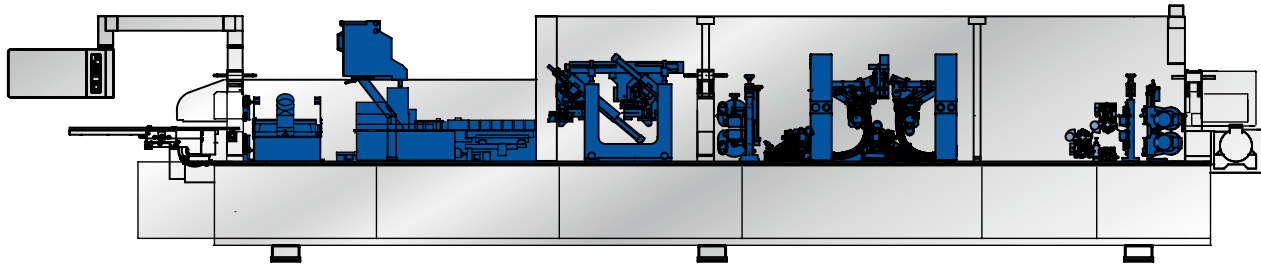
## Ambition 2264



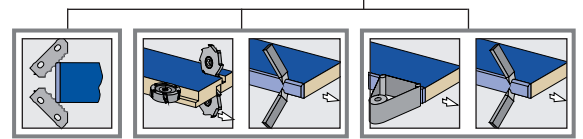
	Ambition 2260	Ambition 2262	Ambition 2264
	<b>Machine dimensions</b>		
Overall length [mm]	7 755	7 755	7 755
Overall width closed [mm] / open [mm]		910/ 1 540	
Overall height closed [mm] / open [mm]		1 820/ 2 250	
Working height [mm]		950	
	<b>Working dimensions</b>		
Workpiece width [mm] with workpiece thickness 12–22 mm		min. 60 dependent on workpiece length	
Workpiece width [mm] with workpiece thickness 23–40 mm		min. 105 dependent on workpiece length	
Workpiece thickness [mm]		min. 12–40 (opt. 8–60)	
Edge thickness, coils [mm]		0.3–3	
Edge thickness, strips [mm]	–	0.4–6	0.4–20
Workpiece overhang fixed [mm]		30	
Edge cross-section [mm <sup>2</sup> ] – Solid – Coils	- 135	390 135	900 135
	<b>Miscellaneous</b>		
Adjustable feed [m/min]		18–25	
Connected load [kW]	24	28	28
Total suction output appr. [m <sup>3</sup> /h]	6 250	3 370	3 370
Total suction output appr. [m <sup>3</sup> /h] without equipment of the free space		2 500	
Pressure loss appr. [Pa]		2 500	
Compressed air consumption appr. [NI/min]	630	930	930
Electrics	for public power supply all over the world		
Pneumatic system [bar]		6–7	

# Technical data Ambition 2270, 2272, 2274

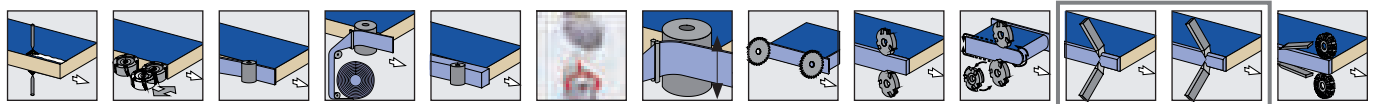
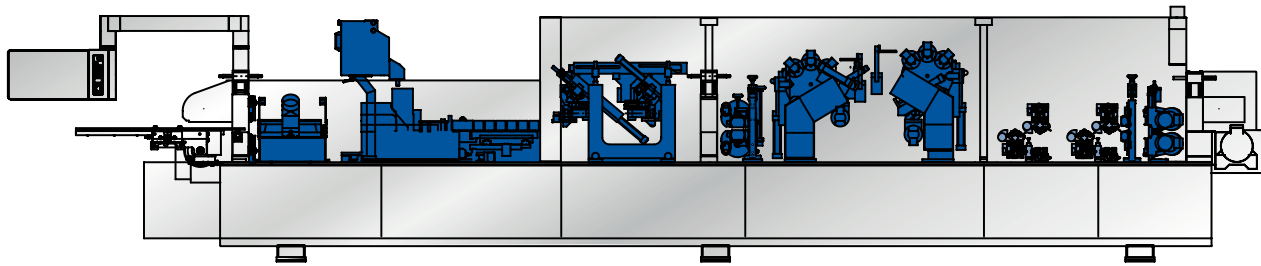
## Ambition 2270



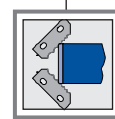
Options  
free space



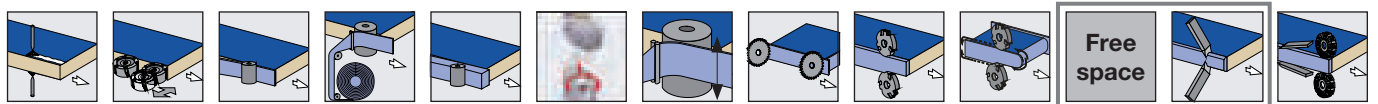
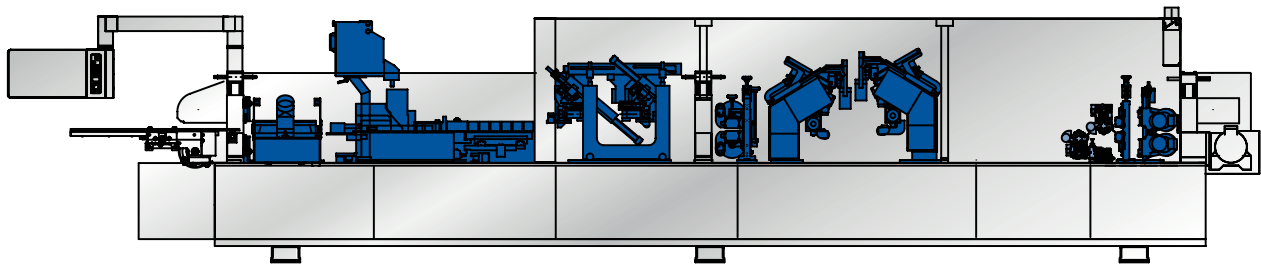
## Ambition 2272



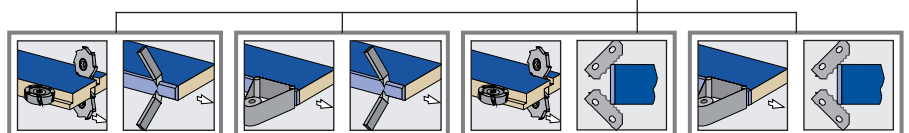
Option



## Ambition 2274



Options  
free space



	Ambition 2270	Ambition 2272	Ambition 2274
	<b>Machine dimensions</b>		
Overall length [mm]	8 545	8 545	8 545
Overall width closed [mm] / open [mm]	910/ 1 540		
Overall height closed [mm] / open [mm]	1 820/ 2 250		
Working height [mm]	950		
	<b>Working dimensions</b>		
Workpiece width [mm] with workpiece thickness 12–22 mm	min. 60 dependent on workpiece length		
Workpiece width [mm] with workpiece thickness 23–40 mm	min. 105 dependent on workpiece length		
Workpiece thickness [mm]	min. 12–40 (opt. 8–60)		
Edge thickness, coils [mm]	0.3–3		
Edge thickness, strips [mm]	0.4–20		
Workpiece overhang fixed [mm]	30		
Edge cross-section [mm <sup>2</sup> ] – Solid – Coils	900 135	900 135	900 135
	<b>Miscellaneous</b>		
Adjustable feed [m/min]	18–25		
Connected load [kW] (laserTec)	33 (43)	33 (43)	39 (49)
Total suction output appr. [m <sup>3</sup> /h]	4 790	3 400	4 200
Total suction output appr. [m <sup>3</sup> /h] without equipment of the free space	4 000	3 400	
Pressure loss appr. [Pa]	2 500		
Compressed air consumption appr. [NI/min]	825	855	870
Electrics	for public power supply all over the world		
Pneumatic system [bar]	6–7		

# An overview of Ambition models

✓ available

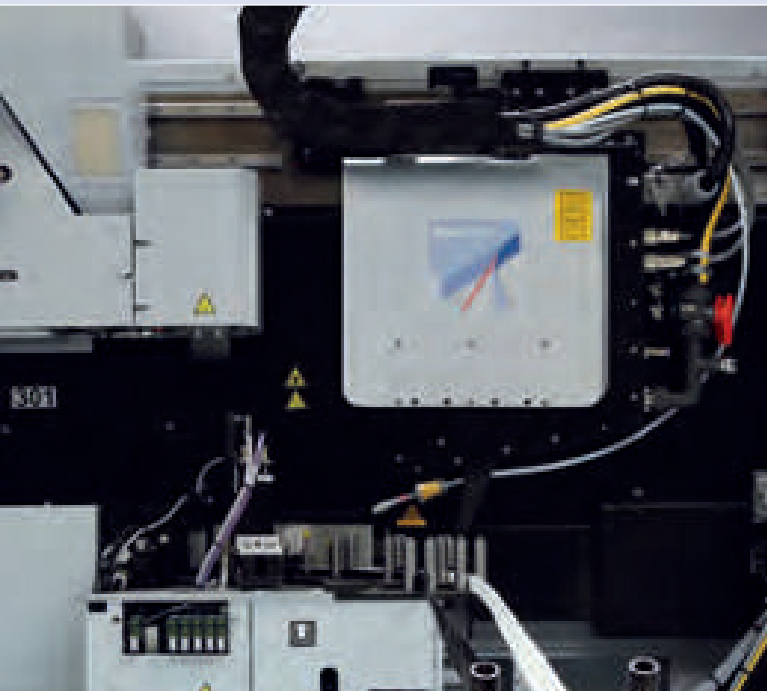
- not available

Standard	2220	2240	2250	2260	2262	2264	2270	2272	2274
Coil material up to	1 mm	3 mm	3 mm	3 mm	3 mm	3 mm	3 mm	3 mm	3 mm
Veneer	✓	✓	✓	✓	-	-	✓	-	-
Fixed length material up to	-	-	-	-	6 mm	20 mm	20 mm	20 mm	20 mm
Feed rate 18–25 m/min	✓	✓	✓	✓	✓	✓	✓	✓	✓
Separating agent spraying unit	Option 1333	✓	✓	✓	✓	✓	✓	✓	✓
Jointing trimming tool incl. I-DIA trimming tool 43 mm high	Option 1333	✓	✓	✓	✓	✓	✓	✓	✓
Servo-controlled edge feeding	✓	✓	✓	✓	✓	✓	✓	✓	✓
Quickmelt including granulate tank	✓	✓	✓	✓	✓	✓	✓	✓	✓
Quick-release clamping system for application unit	-	-	-	-	-	✓	✓	✓	✓
laserTec-activation unit retrofitable	-	-	-	-	-	-	✓	✓	✓
Magazine height adjustment	Option 2450	Option 2450	Option 2450	Option 2450	✓	✓	✓	✓	✓
2 horizontal roller plates	-	-	-	-	✓	✓	✓	✓	✓
Snipping unit HL84 with drawing snipping stop	✓	✓	-	✓	✓	-	-	-	-
Snipping unit HL84 with stationary snipping stop	-	-	-	-	-	✓	✓	✓	✓
Snipping motor adjustment (chamfer/straight)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Rough trimming unit	-	-	-	-	0.55 kW	1.5 kW	1.5 kW	1.5 kW	1.5 kW
Fine trimming unit 0.4 kW manual chamfer/radius	✓	✓	✓	✓	-	-	-	-	-
Profile trimming unit FK11 manual chamfer/radius	-	-	-	-	✓	✓	-	-	✓
Profile trimming unit FK13 automatic 8-slot tool changer	-	-	-	-	-	-	-	✓	-
Profile trimming unit FF32 manual chamfer/radius	-	-	✓	✓	-	-	✓	-	-
Free space for grooving	-	✓	✓	-	-	-	-	-	-
Free space for grooving/sanding/multi scraper unit	-	-	-	-	-	-	✓	-	✓
Finish scraping device PN10	-	✓	✓	✓	✓	✓	✓	2x	✓
Finish processing unit FA11	-	Option FA10	✓	✓	✓	✓	✓	✓	✓
Buffing unit FA06	✓	✓	-	-	-	-	-	-	-
Electronic height adjustment	✓	✓	✓	✓	✓	✓	✓	✓	✓
Control PC22 with full touch operation + keypad	✓	✓	✓	✓	✓	✓	✓	✓	✓
TeleServiceNet Soft	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Automation packages</b>	<b>2220</b>	<b>2240</b>	<b>2250</b>	<b>2260</b>	<b>2262</b>	<b>2264</b>	<b>2270</b>	<b>2272</b>	<b>2274</b>
<b>Package no.</b>	<b>4009</b>	<b>4014</b>	<b>4010</b>	<b>4012</b>	<b>4016</b>	<b>4017</b>	<b>4013</b>	<b>4011</b>	<b>4015</b>
Adjustment infeed fence (automatic)	-	-	-	-	-	-	✓	✓	✓
Adjustment pressure zone (automatic)	-	✓	✓	✓	-	✓	✓	✓	✓
Adjustment snipping motor (flush/overhang)	✓	✓	-	✓	✓	-	✓	Standard	✓
Adjustment rough trimming unit (flush/overhang)	-	-	-	-	-	✓	✓	✓	✓
Fine trimming or chamfer/radius adjustment (automatic)	Chamfer	Cham./rad.	Cham./rad.	Cham./rad.	-	-	-	-	-
Profile trimming, 2 motors, chamfer/radius adjustment (autom.)	-	-	-	-	-	✓	✓	✓	✓
Profile trimming, 4 motors, chamfer/radius adjustment (autom.)	-	-	✓	✓	-	-	✓	-	-
Multi scraper unit MN21 (automatic)	-	-	-	-	-	-	-	✓	-
Pneumatic adjustment PN10 + FA11	-	-	✓	✓	✓	-	✓	✓	✓
Remote control for single-sided machines	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Additional equipment</b>	<b>2220</b>	<b>2240</b>	<b>2250</b>	<b>2260</b>	<b>2262</b>	<b>2264</b>	<b>2270</b>	<b>2272</b>	<b>2274</b>
Feed height increase max. 32 m/min	-	-	✓	-	-	-	-	-	-
Scissor-design extendable workpiece support	✓	✓	✓	✓	✓	✓	✓	✓	✓
Suction cup for strip separation	-	-	-	-	✓	✓	✓	✓	✓
QA glue tank front section for exchanging	-	-	-	-	✓	✓	✓	✓	✓
QA glue tank front section (teflon coated PU)	-	-	-	-	✓	✓	✓	✓	✓
PU melting unit	-	-	-	-	✓	✓	✓	✓	✓
Additional horizontal roller plate	✓	✓	✓	✓	✓	✓	✓	✓	✓
2-slot edge feed	✓	✓	✓	✓	✓	✓	✓	✓	✓
6-slot edge feed	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cleaning agent application	✓	✓	✓	✓	✓	✓	✓	✓	✓
Exchange device, trimming unit	✓	✓	✓	✓	-	-	-	-	-
Exchange device, trimming unit, automatic adjustment	✓	✓	✓	✓	-	-	-	-	-
Universal trimming unit UF10	-	✓	✓	-	-	-	✓	-	✓
Multi scraper unit MN21 (automatic) instead of PN10	-	-	-	-	-	-	✓	4015	✓
Belt sanding unit KS10 (alternative: instead of UF10)	-	-	-	-	-	-	✓	-	✓
Exchange head set for FK, not adjustable	-	-	-	-	✓	✓	-	✓	✓
Exchange head set for FK, manually adjustable	-	-	-	-	✓	✓	-	-	✓
Exchange head set for FK, automatically adjustable	-	-	-	-	✓	✓	-	✓	✓
Workpiece guide for profile trimming Ambition (sales no. 3 748)	-	-	✓	✓	✓	✓	✓	✓	✓
Exchange device FF32, manually adjustable	-	-	✓	✓	-	-	✓	-	-
Exchange device FF32, automatically adjustable	-	-	✓	✓	-	-	✓	-	-
I-system radius/chamfer trimming tool 15°, 1–3 mm Z = 6	-	✓	✓	-	-	-	✓	-	-
I-system radius/chamfer trimming tool 15°, 1–3 mm Z = 4	✓	-	-	-	-	-	-	-	-
I-system radius/chamfer trimming tool set (FK) 15° 1–3 mm Z = 4	-	-	-	-	✓	✓	-	✓	✓
Quick-change head set R = 1/1.5/2/2.5/3 mm	-	✓	✓	✓	✓	✓	✓	✓	✓
Pre-installation Boomerang	✓	✓	✓	✓	✓	✓	✓	✓	✓
Overvoltage protection	✓	✓	✓	✓	✓	✓	✓	✓	✓
Transformer for voltage adjustment	✓	✓	✓	✓	✓	✓	✓	✓	✓
Increased cooling output > 40° C	✓	✓	✓	✓	✓	✓	✓	✓	✓
Diagnostic system woodScout	✓	✓	✓	✓	✓	✓	✓	✓	✓
Additional hard disk	✓	✓	✓	✓	✓	✓	✓	✓	✓
Increase workpiece thickness to 60 mm with jointing trimming	0841	0841	0841	0841	0841	0841	0841	0841	0841
Increase workpiece thickness to 60 mm without jointing trimming	0842	-	-	-	-	-	-	-	-
Jointing trimming package	✓	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
laserTec-activation unit	-	-	-	-	-	-	✓	✓	✓



# The economical way to produce perfect edges

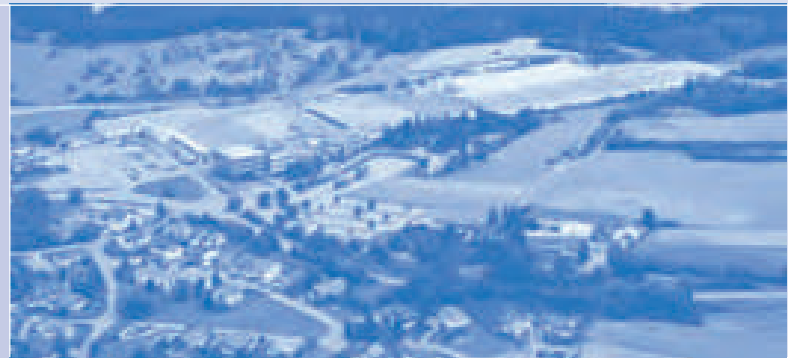
The Ambition models are preconfigured with different units for economical, optimum quality production. The performance and functional scope of this machine series have been tailored to the needs of woodworking shops and medium-sized producers. The basic version of the machines covers a wide range of different applications. As well as offering scope for automation, they are trimmed for environmentally friendly operation with ecoPlus.





**Choose the Original  
Choose Success!**

For the Success of Original Technology  
A VDMA campaign



Member of the HOMAG Group



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