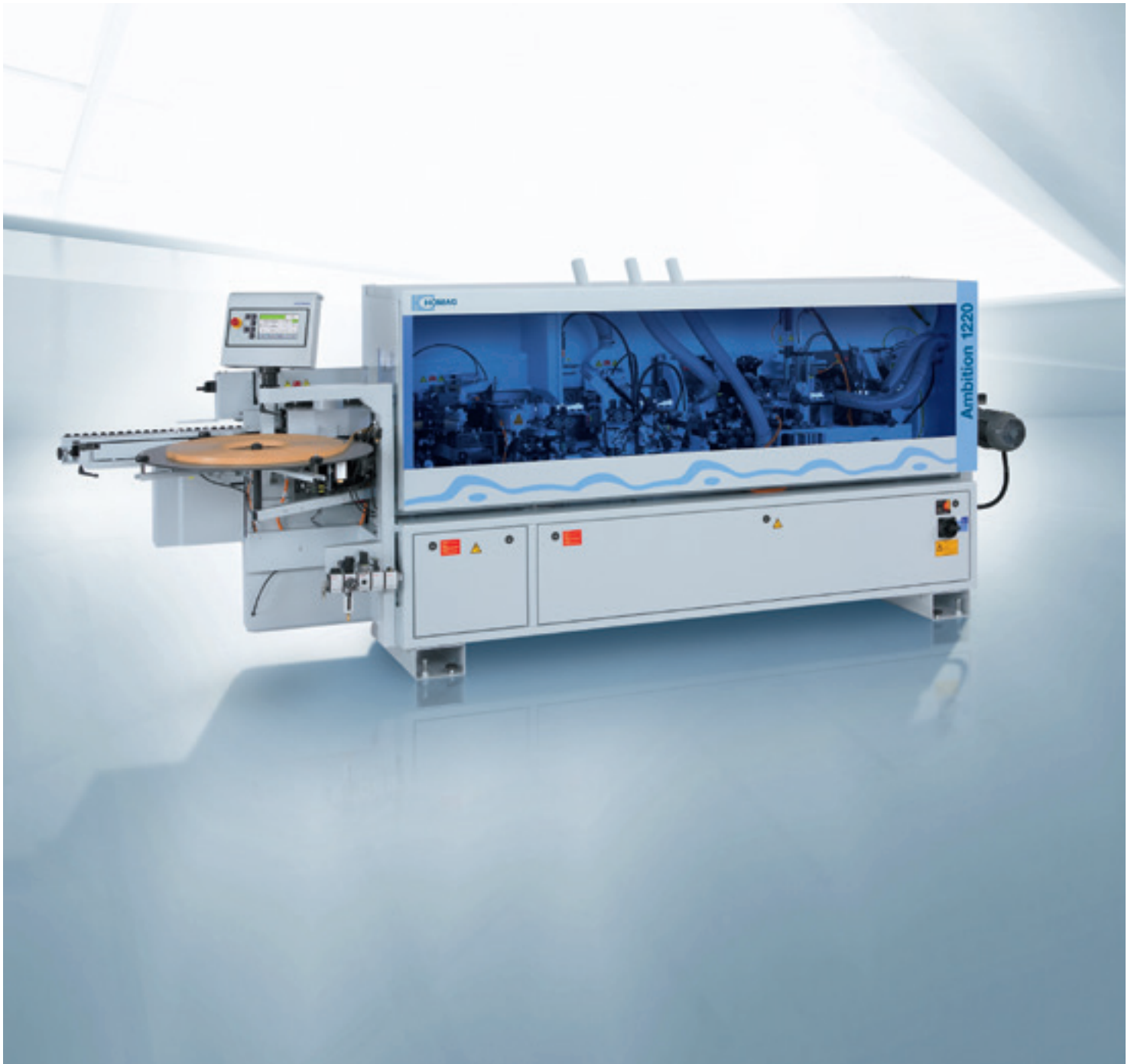


Edge banding machines
Ambition / Highflex / airTec / edition
Series 1100 – 1400







Perfect edges for discerning customers manufactured with flexible 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 with international production plants and sales and service companies with around 6,000 staff members in over 100 countries around the world. Work with HOMAG to create a sharp competitive edge and security for your business in the long term.

We are **YOUR SOLUTION**

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The easyTouch control system embodies a new generation of operating systems.

The touchscreen surface guarantees fast navigation and a high level of operating comfort. With Ambition 1100–1200.



Control with powerTouch

Control machine functions directly using the multi-touch monitor in widescreen format.

The ergonomic design, as well as numerous help and assistant functions, simplify operation significantly.

With Ambition 1400.



Multi-stage technology

For easy profile change by push button. Saves time and improves quality.



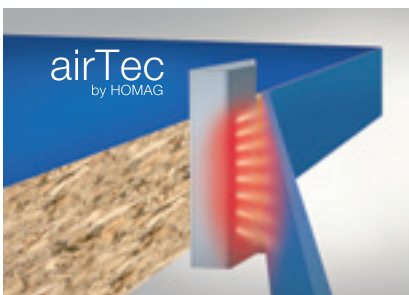
Nesting package (optional)

Consisting of multiple tracing on trimming and scraper units. Use for bridging cup hinge holes, for example.

Ambition series – all inclusive as standard

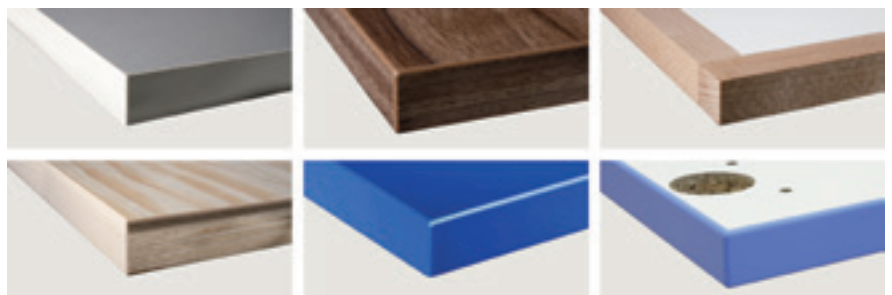
THE MOST IMPORTANT FEATURES OF THE MODELS. The Ambition series is characterized by its comprehensive equipment standard: Belt-type top pressure for precision workpiece guidance (from Ambition 1400), optimized trimming tools for optimum chip disposal and perfect processing quality. Variable feed speed in various performance categories for high productivity. All the machines of the Ambition series can also be extended. Additional processing units such as scrapers or buffing units can be mounted on selected machines which come with a free space. HOMAG Ambition machines are energy-saving and environmentally friendly.

- **High-grade furniture with high edge quality**
- **More output through high availability**
- **Low energy requirement**
- **Outstanding economy**
- **Optimum cost-to-performance ratio**



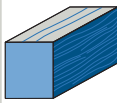
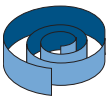
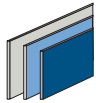
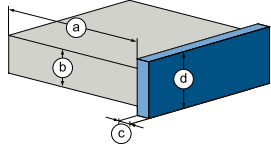
Zero joint technology with HOMAG airTec

The units are now equipped with a rotary air heater which makes the process significantly more efficient and quieter as well as saving resources.



Wide range of materials

High flexibility is achieved as almost all materials can be processed: 0.4 mm melamine, 2 mm ABS, 8 mm solid strips, veneer, high gloss, nesting.

	SOLID (mm)	COILS (mm)	STRIPS (mm)
			
a	with b = 22: min. 70 with b = 40: min. 125		
b	8 – 40		
c	0.4 – 3.0	0.4 – 3.0	0.4 – 3.0
d	45		
			

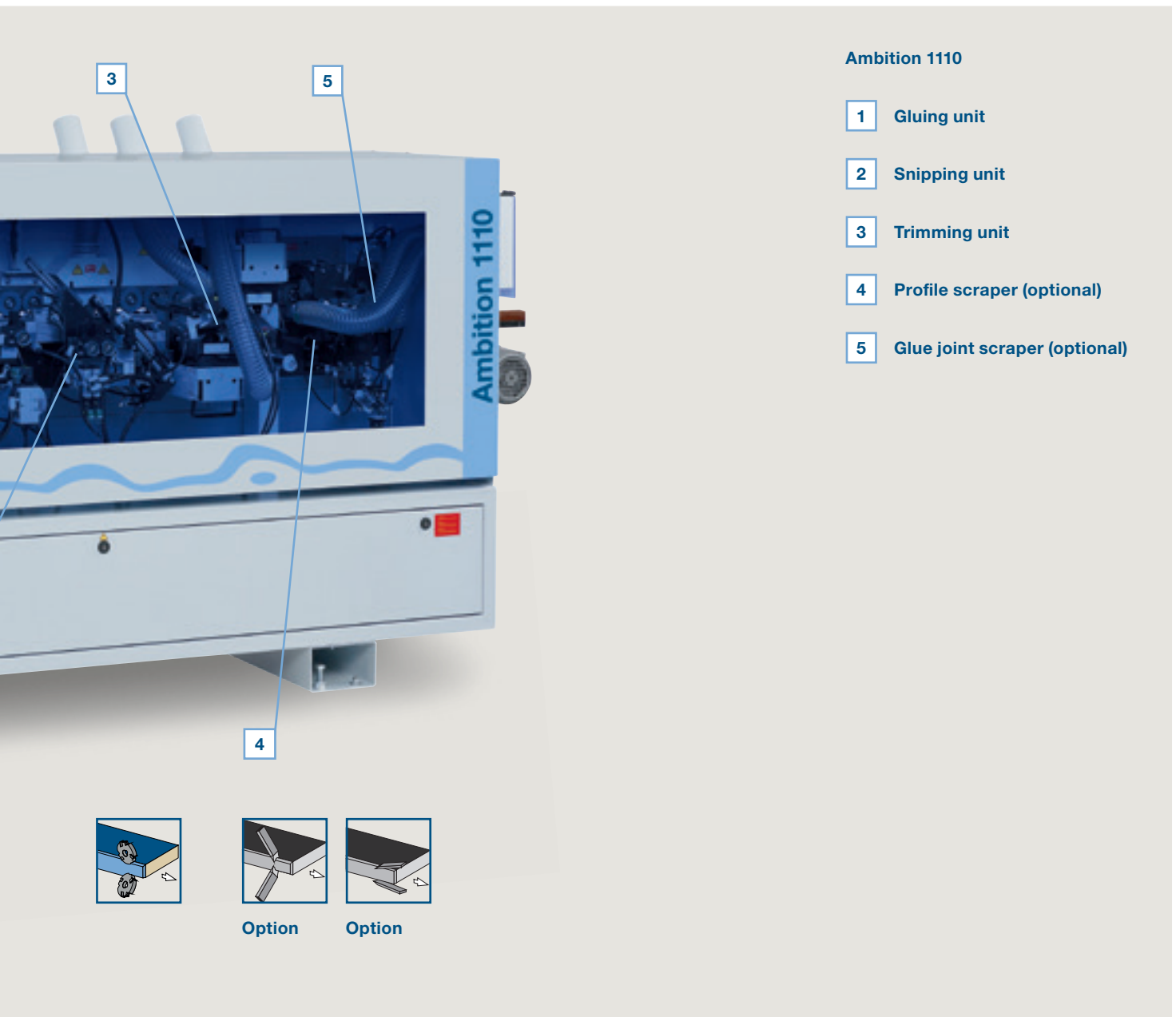


Ambition 1110 – 1110 F

The compact edge banding machines of the Ambition 1110 series are characterized by outstanding flexibility and intuitive operation. All the machines are equipped with a precise gluing unit and an automatic fixed length magazine for reliable material infeed. The magazine can be used for coil and fixed length material. The two-motor snipping unit guarantees a precise cut and optimum results. The flush trimming unit is easy to operate and can be reset with a quick, simple movement to the three different settings flush, chamfer or radius.

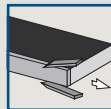
The Ambition 1110 F model also features a joint trimming unit for optimum preparation of the workpiece. The highlight of these machines is the finishing section, which offers 2 free spaces for outstanding flexibility. The 3 units available here (profile scraper, glue joint scraper and buffing unit) can be positioned in varying combinations on the 2 free spaces as requested by the customer ex works.

Feed speed: 8 m/min



Ambition 1110

- 1 Gluing unit
- 2 Snipping unit
- 3 Trimming unit
- 4 Profile scraper (optional)
- 5 Glue joint scraper (optional)



Option

Option

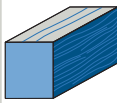
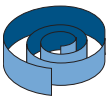
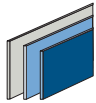
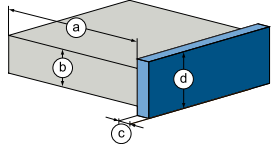


Ambition 1110 F

This model contains the same equipment as the Ambition 1110, with the addition of a joint trimming unit.

MATERIAL TYPES

- 0.4 mm melamine
- 2 mm ABS
- Veneer (coil)
- Nesting option

	SOLID (mm)	COILS (mm)	STRIPS (mm)
			
a	with b = 22: min. 70 with b = 40: min. 125		
b	8 – 40		
c	0.4 – 3.0	0.4 – 3.0	0.4 – 3.0
d	45		
			



Ambition 1120 C, Ambition 1120 F and Ambition 1120 FC

The compact edge banding machines of the Ambition 1110 series are characterized by outstanding flexibility and intuitive operation. All the machines are equipped with a precise gluing unit and an automatic fixed length magazine for reliable material infeed. The magazine can be used for coil and fixed length material. The two-motor snipping unit guarantees a precise cut and optimum results.

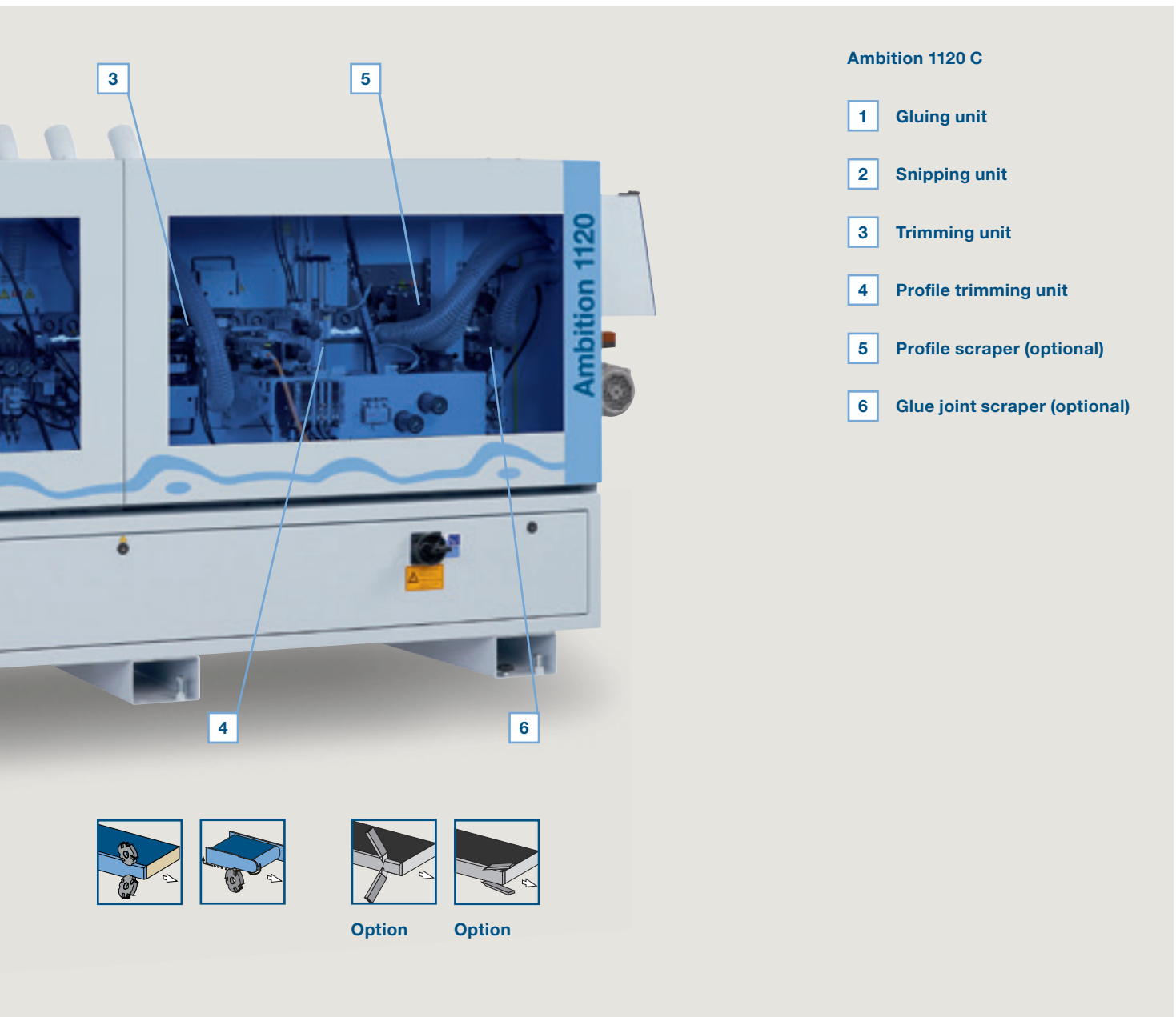
The flush trimming unit is easy to operate and can be reset with a quick, simple movement to the three different settings flush, chamfer or radius. The Ambition 1120 FC models include a profile trimming unit and a joint trimming unit to guarantee complete processing. The highlight of these machines is the finishing section, which offers 2 free spaces

for outstanding flexibility. The 3 units available here (profile scraper, glue joint scraper and buffing unit) can be positioned in varying combinations on the 2 free spaces as requested by the customer ex works.

One exception to this is the Ambition 1120 F machine, which comes ex works without profile trimming tool, creating space for all three finishing units.

The machine is fully automated and has pneumatic adjustments for the pressure zone, snipping unit, trimming unit and scraper.

Feed speed: 8 m/min



Ambition 1120 C

- 1 Gluing unit
- 2 Snipping unit
- 3 Trimming unit
- 4 Profile trimming unit
- 5 Profile scraper (optional)
- 6 Glue joint scraper (optional)

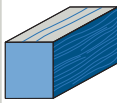
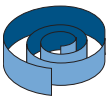
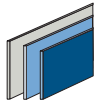
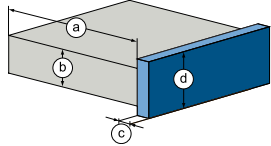


Ambition 1120 FC

This model contains the same equipment as the Ambition 1120 C, with the addition of a joint trimming unit.

MATERIAL TYPES

- 0.4 mm melamine
- 2 mm ABS
- Veneer (coil)
- Nesting option

	SOLID (mm)	COILS (mm)	STRIPS (mm)
			
a	with b = 22: min. 70 with b = 40: min. 125		
b	8 – 50 (opt. 60)		
c	0.4 – 3.0 (opt. 6.0)	0.4 – 3.0	0.4 – 3.0
d	55 (opt. 65)		
			



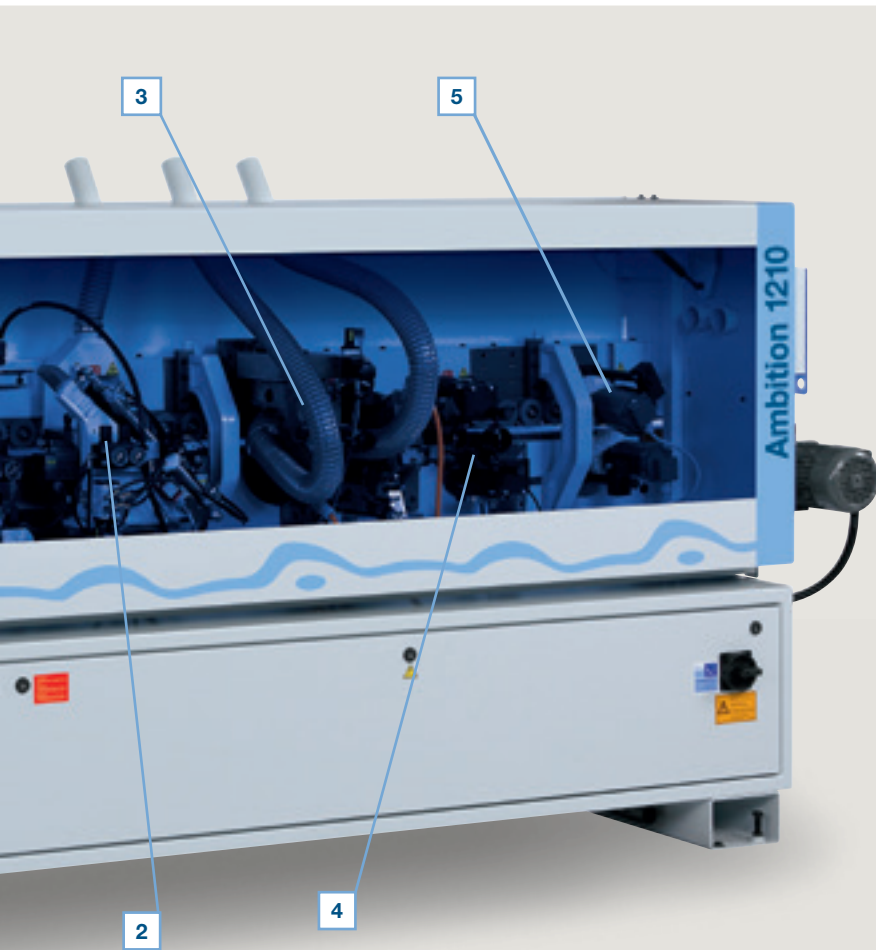
Ambition 1210 and Ambition 1210 F

The two machines are equipped with a precise gluing unit, a tiltable two-motor snipping unit for straight and chamfer snipping, as well as a trimming unit. For optimum workpiece preparation, a joint trimming unit (Ambition 1210 F) is

additionally available.

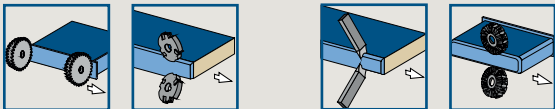
A profile scraper and the buffing unit ensure the perfect finish.

Feed speed: 11 m/min



Ambition 1210

- 1** Gluing unit
- 2** Snipping unit
- 3** Trimming unit
- 4** Profile scraper
- 5** Buffing unit

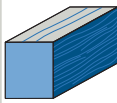
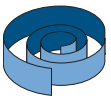
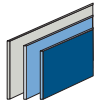
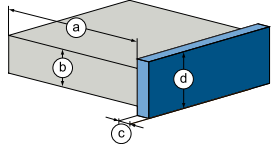


Ambition 1210 F

This model contains the same equipment as the Ambition 1210, with the addition of a joint trimming unit.

MATERIAL TYPES

- 0.4 mm melamine
- 2 mm ABS
- Veneer (coil)
- 3 mm solid strips (6 mm option)
- Nesting option

	SOLID (mm)	COILS (mm)	STRIPS (mm)
			
a	with b = 22: min. 70 with b = 40: min. 125		
b	8 – 50 (opt. 60)		
c	0.4 – 3.0 (opt. 6.0)	0.4 – 3.0	0.4 – 3.0
d	55 (opt. 65)		
			



Ambition 1220 C, Ambition 1220 FC and Ambition 1230 FC

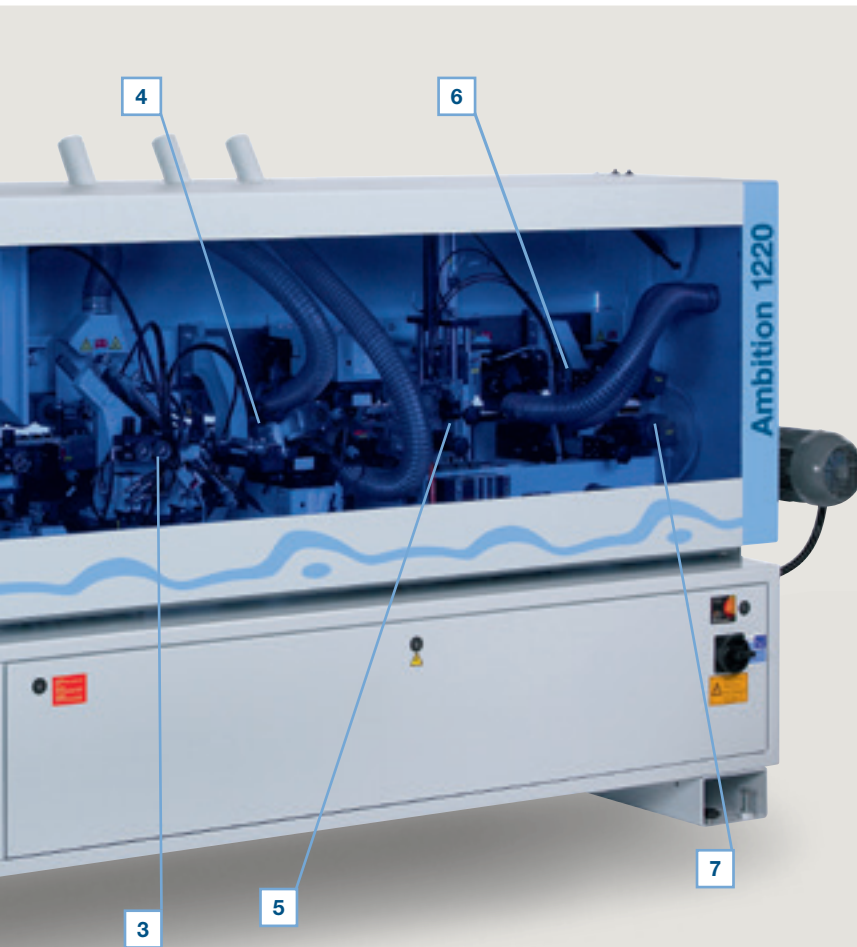
In developing the Ambition 1200 series, the focus was on providing the complete processing capability previously reserved to the higher machine categories also at the entry level.

All the machines are equipped with a precise gluing unit, a tiltable two-motor snipping unit for straight and chamfer snipping, as well as a trimming unit.

For complete processing, a joint trimming unit (apart from Ambition 1220 C), a profile trimming unit, a radius scraper and a buffing unit are available for the perfect finish.

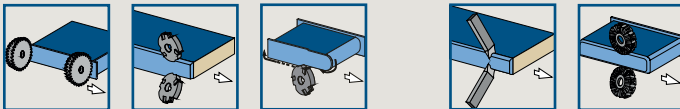
The Ambition 1230 FC additionally offers a free space in the finishing section for a glue joint scraper.

Feed speed: 11 m/min



Ambition 1220 FC

- 1** Joint trimming unit
- 2** Gluing unit
- 3** Snipping unit
- 4** Trimming unit
- 5** Profile trimming unit
- 6** Profile scraper
- 7** Buffing unit

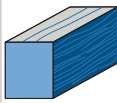
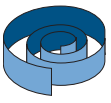
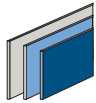
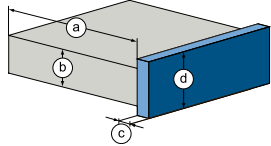


Ambition 1230 FC

This model contains the same equipment as the Ambition 1220 FC, with the addition of a free space in the finishing area.

MATERIAL TYPES

- 0.4 mm melamine
- 2 mm ABS
- Veneer (coil)
- 3 mm solid strips (6 mm option)
- Nesting option

	SOLID (mm)	COILS (mm)	STRIPS (mm)
			
a	with b = 22: min. 70 with b = 40: min. 125		
b	60		
c	0.4 – 6.0	0.4 – 3.0	0.4 – 3.0
d	65		
			



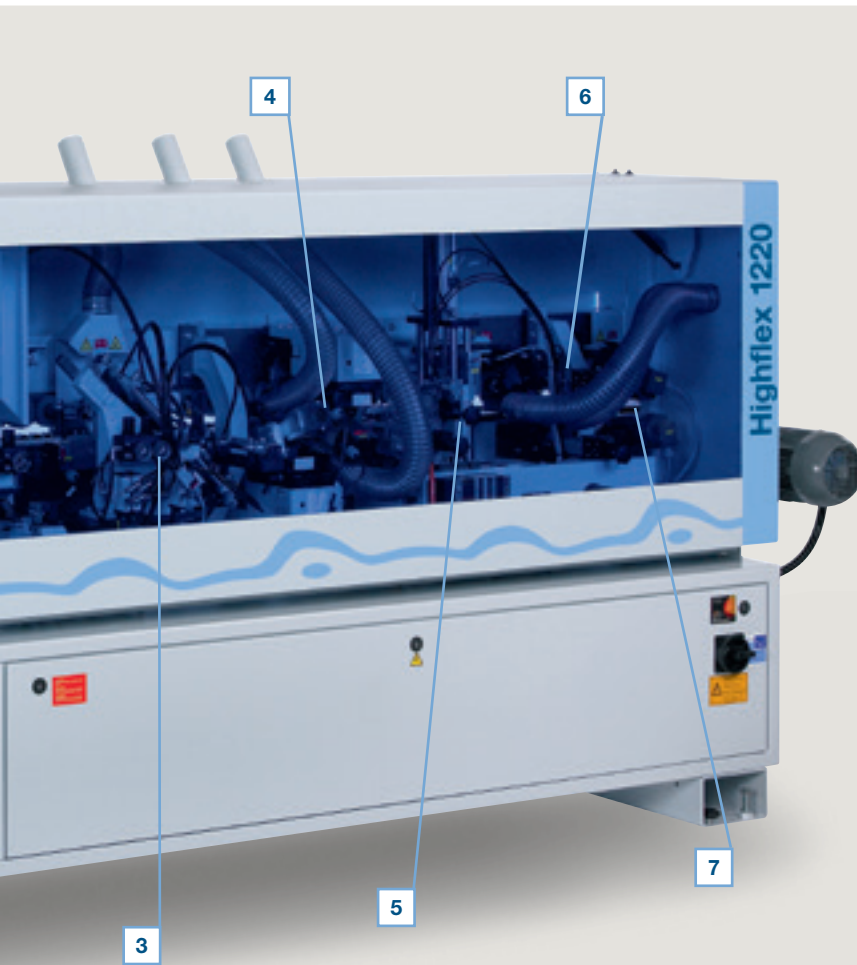
Highflex 1210, Highflex 1220 and Highflex 1230

All the machines are equipped with a precise gluing unit, a tiltable two-motor snipping unit for straight and chamfer snipping, as well as a trimming unit.

For complete processing, a joint trimming unit, a profile trimming unit, a radius scraper and a buffing unit are available for the perfect finish. The Highflex 1230 additionally offers a free space in the finishing section for a glue joint scraper. One exception is the machine Highflex 1210. This

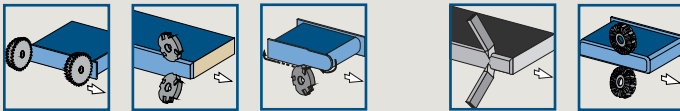
comes ex works without profile trimming unit. The Highflex series is characterized by its high level of automation and a comprehensive range of processing units. The high degree of flexibility enables adjustment to your specific needs and guarantees optimum edges.

Feed speed: 11 m/min



Highflex 1220

- 1** Joint trimming unit
- 2** Gluing unit
- 3** Snipping unit
- 4** Trimming unit
- 5** Profile trimming unit
- 6** Profile scraper (optional)
- 7** Buffing unit



Option

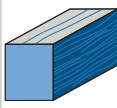
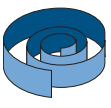
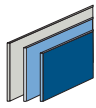
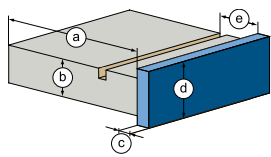


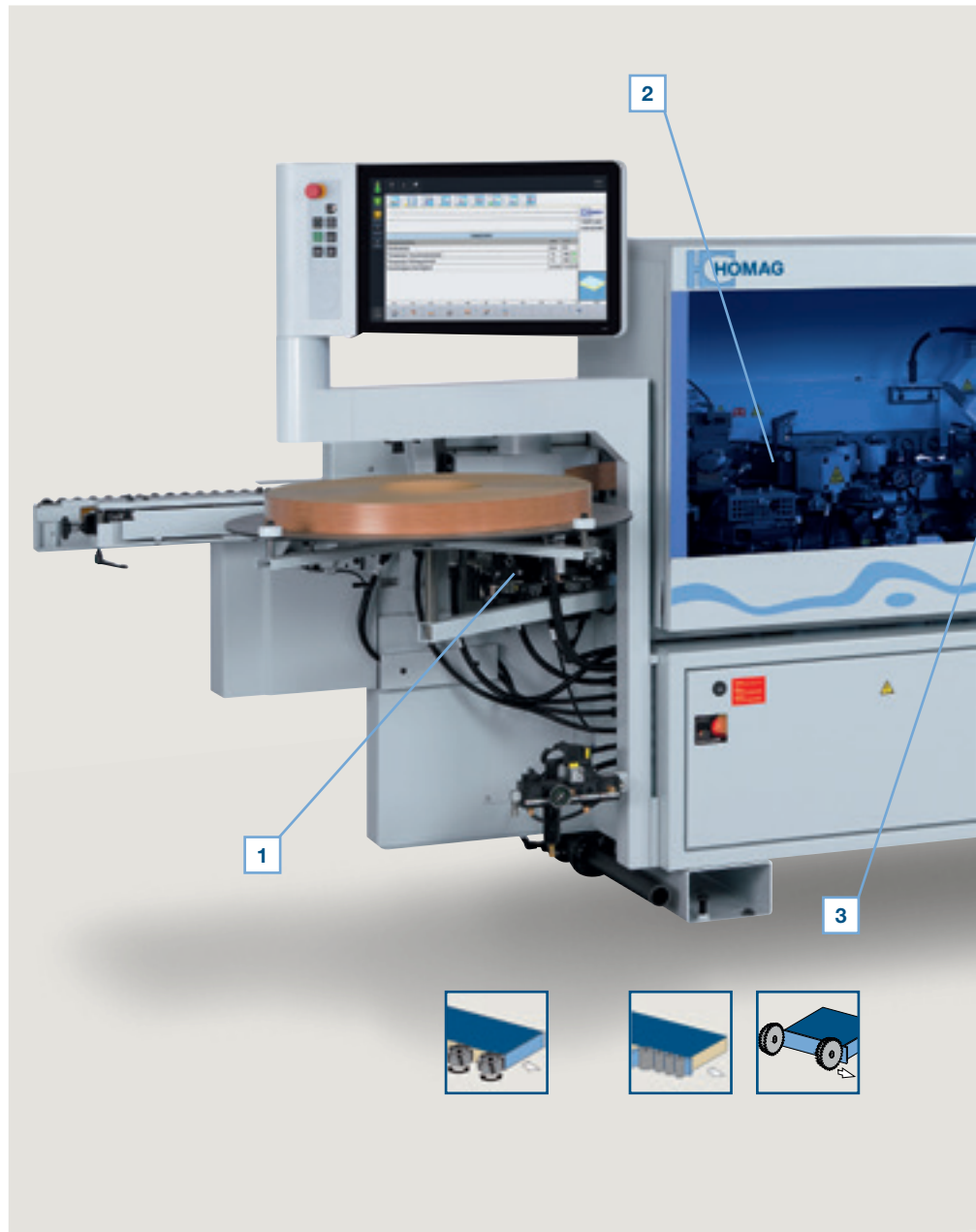
Highflex 1230

This model contains the same equipment as the Highflex 1220, with the addition of a glue joint scraper.

MATERIAL TYPES

- 0.4 mm melamine
- 2 mm ABS
- Veneer (coil)
- 6 mm solid strips
- Nesting option

	SOLID (mm)	COILS (mm)	STRIPS (mm)
			
a	with b = 22: min. 70 with b = 40: min. 125		
b	8 – 60		
c	0.4 – 8	0.4 – 3.0	0.4 – 3.0
d	65		
e	max. 30 (nur Ambition 1440 FGC)		
			



Ambition 1430 FC, Ambition 1440 FC and Ambition 1440 FGC

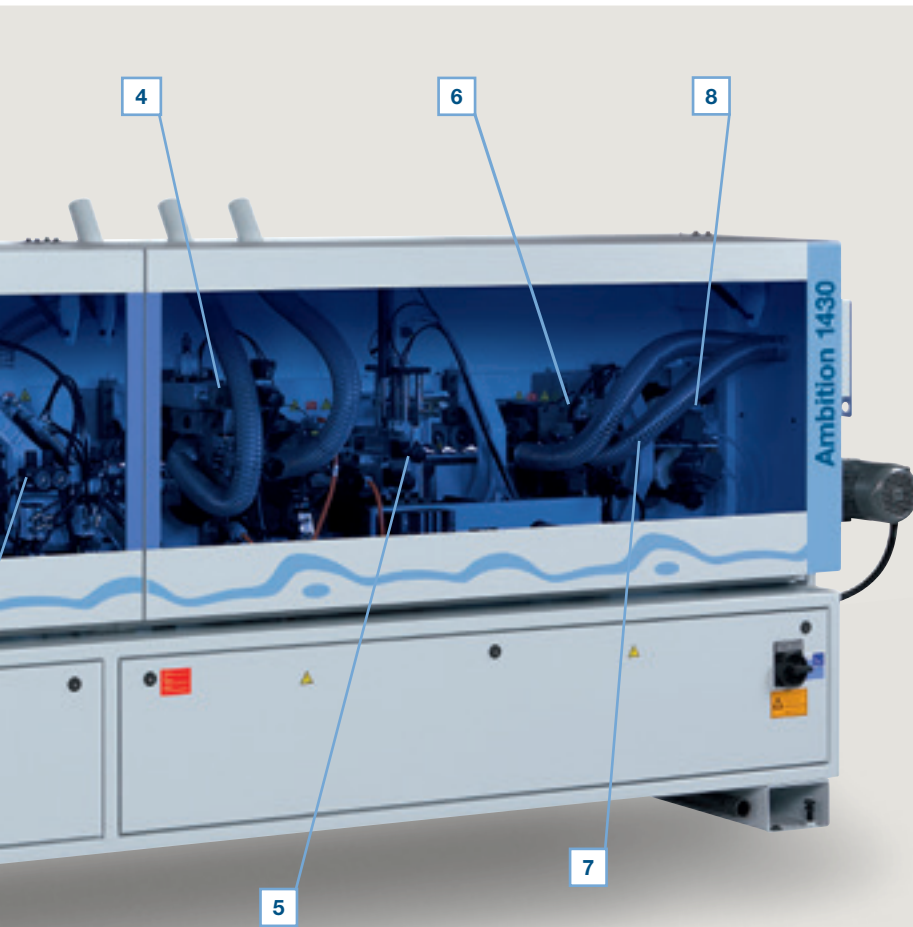
For woodworking shops and small or medium-sized enterprises, the Ambition 1400er series secures competitive benefits in the long term.

In the basic version, the machines come equipped with a precise gluing unit, a 2-motor snipping unit, a trimming unit, a radius scraper and a buffing unit. Depending on the requirements, the machine can be equipped with a joint trimming unit, a Quickmelt gluing unit for even more

effective production, a rough trimming unit for heavy hogging operations, a profile trimming unit for corner rounding, a grooving unit and a glue joint scraper.

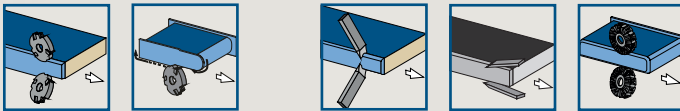
The optionally available machine automation packages reduce set-up times and offer a high level of operating convenience.

Feed speed: 11 m/min



Ambition 1430 FC

- 1** Joint trimming unit
- 2** Gluing unit
- 3** Snipping unit
- 4** Trimming unit
- 5** Profile trimming unit
- 6** Profile scraper
- 7** Glue joint scraper (optional)
- 8** Buffing unit



Option

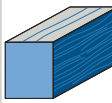
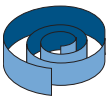
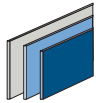
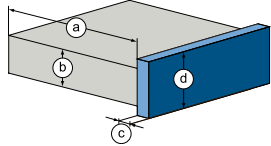


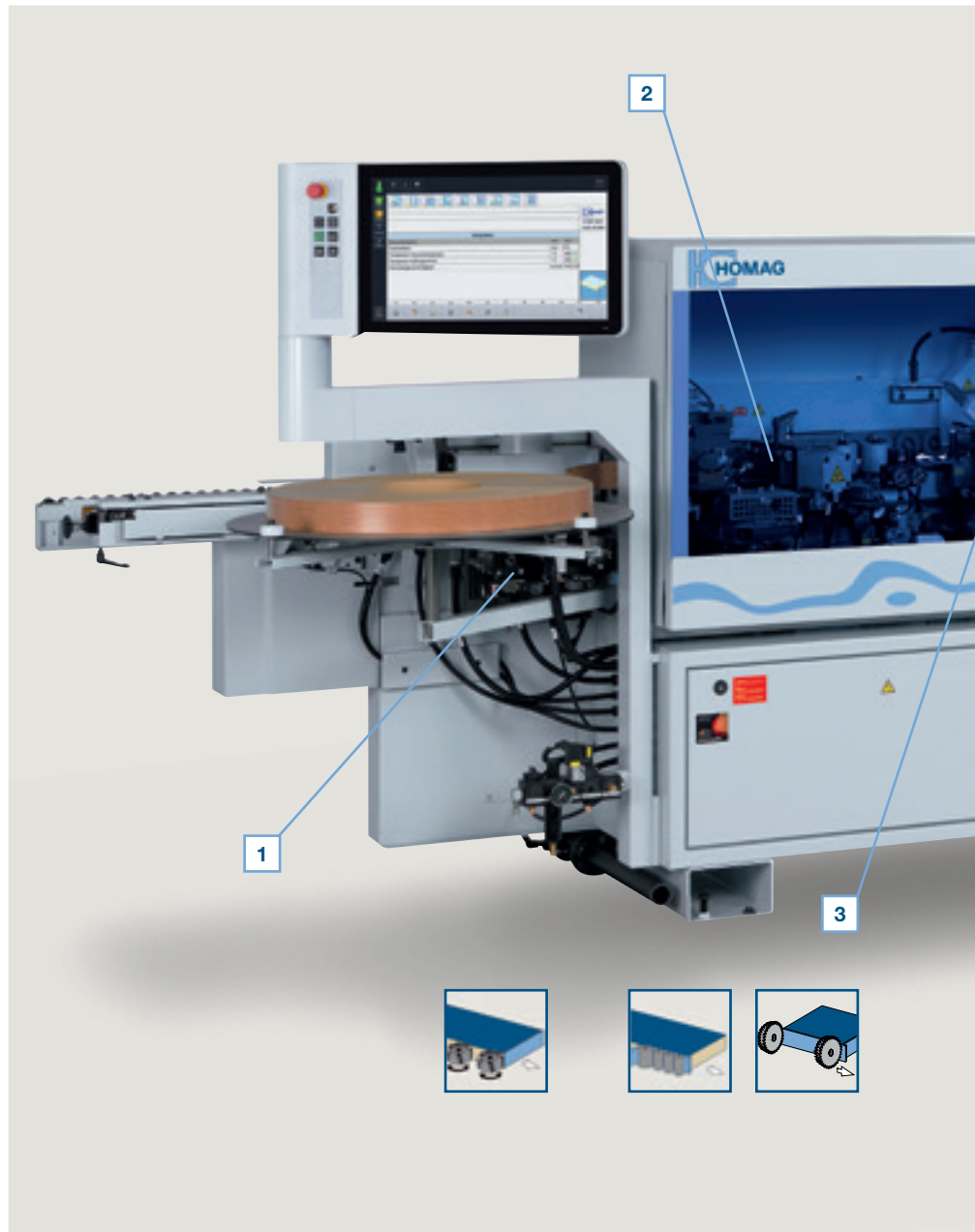
Ambition 1440 FGC

This model contains the same equipment as the Ambition 1430 FC, with the addition of a grooving unit.

MATERIAL TYPES

- 0.4 mm melamine
- 2 mm ABS
- Veneer (coil)
- 8 mm solid stripss
- High gloss option
- Nesting option

	SOLID (mm)	COILS (mm)	STRIPS (mm)
			
a	with b = 22: min. 70 with b = 40: min. 125		
b	8 – 60		
c	0.4 – 8.0	0.4 – 3.0	0.4 – 3.0
d	65		
			

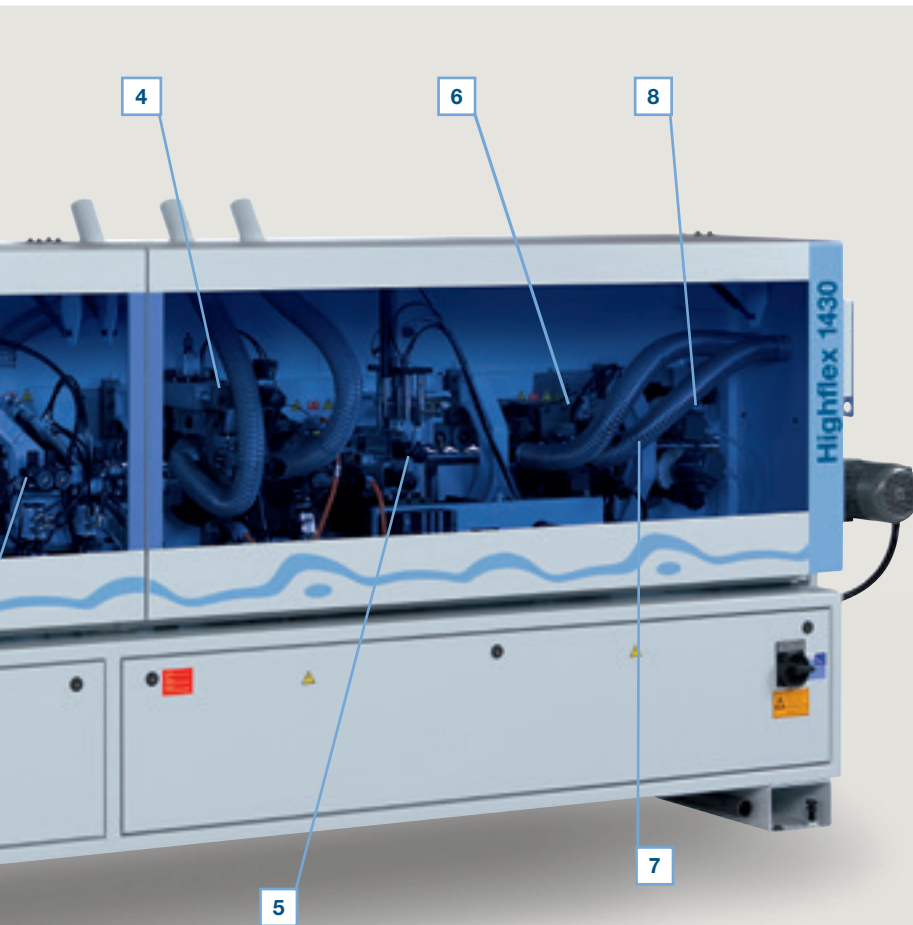


Highflex 1430 and Highflex 1440

All the machines are equipped with a precise Quickmelt gluing unit, a tiltable two-motor snipping unit for straight and chamfer snipping, as well as a trimming unit. For complete processing, a joint trimming unit, a profile trimming unit, a radius scraper, a glue joint scraper and a buffing unit are available for the perfect finish.

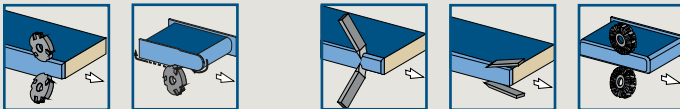
The Highflex series is characterized by its high level of automation and a comprehensive range of processing units. The high degree of flexibility enables adjustment to your specific needs and guarantees optimum edges.

Feed speed: 8 – 14 m/min



Highflex 1430

- 1** Joint trimming unit
- 2** Gluing unit
- 3** Snipping unit
- 4** Trimming unit
- 5** Profile trimming unit
- 6** Profile scraper
- 7** Glue joint scraper
- 8** Buffing unit

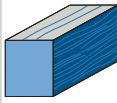
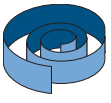
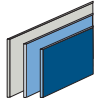
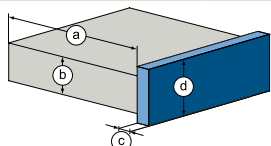


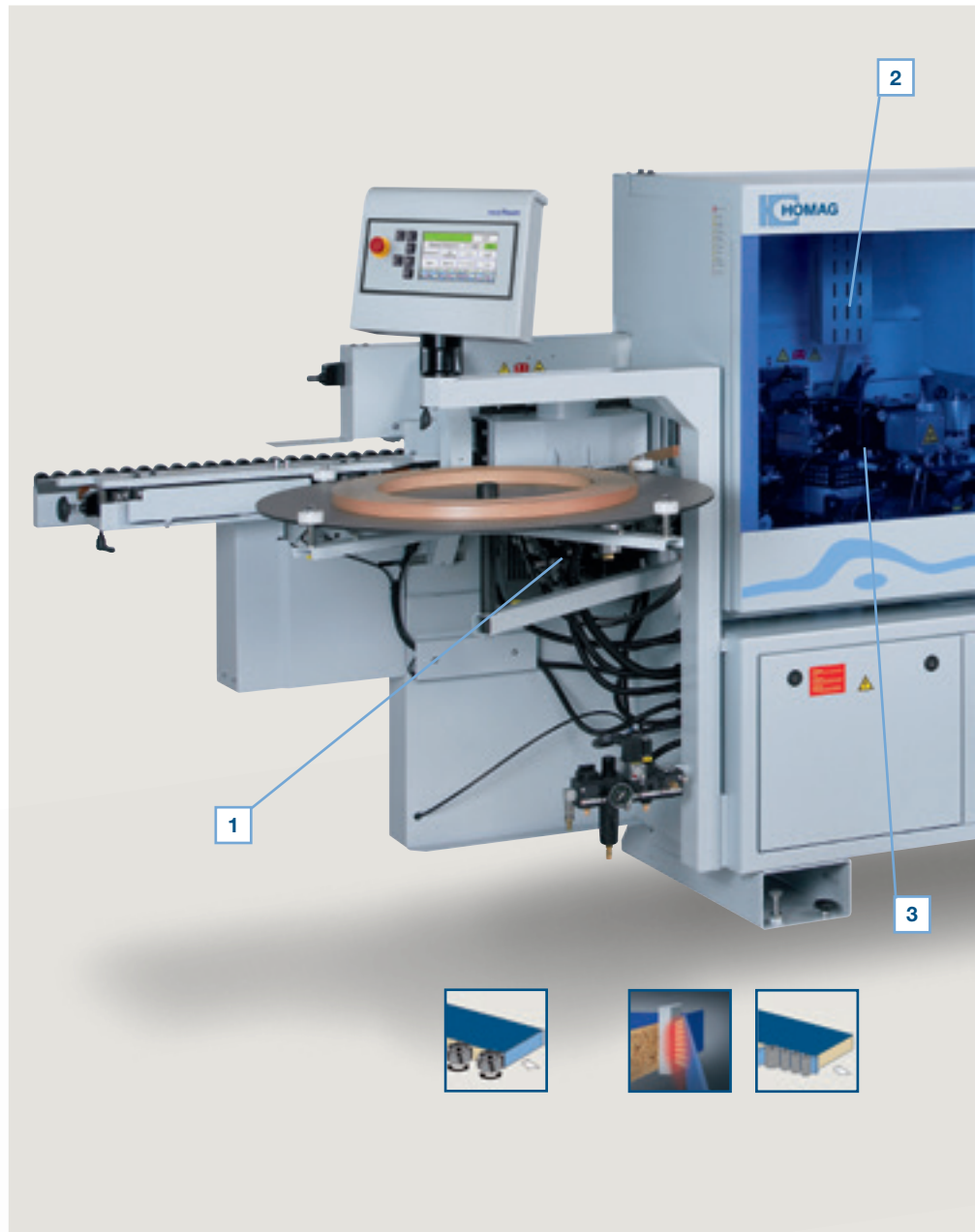
Highflex 1440

This model contains the same equipment as the Highflex 1430, with the addition of a dualmotor rofile trimming unit as an alternative.

MATERIAL TYPES

- 0.4 mm melamine
- 2 mm ABS
- Veneer (coil)
- 8 mm solid stripss
- High gloss option
- Nesting option

	SOLID (mm)	COILS (mm)	STRIPS (mm)
			
a	with b = 22: min. 70 with b = 40: min. 125		
b	8 – 60 8 – 40 (for airTec)		
c	0.4 – 3.0 (1200) 0.4 – 8.0 (1400)	0.4 – 3.0	0.4 – 3.0
d	65 45 (for airTec)		
			



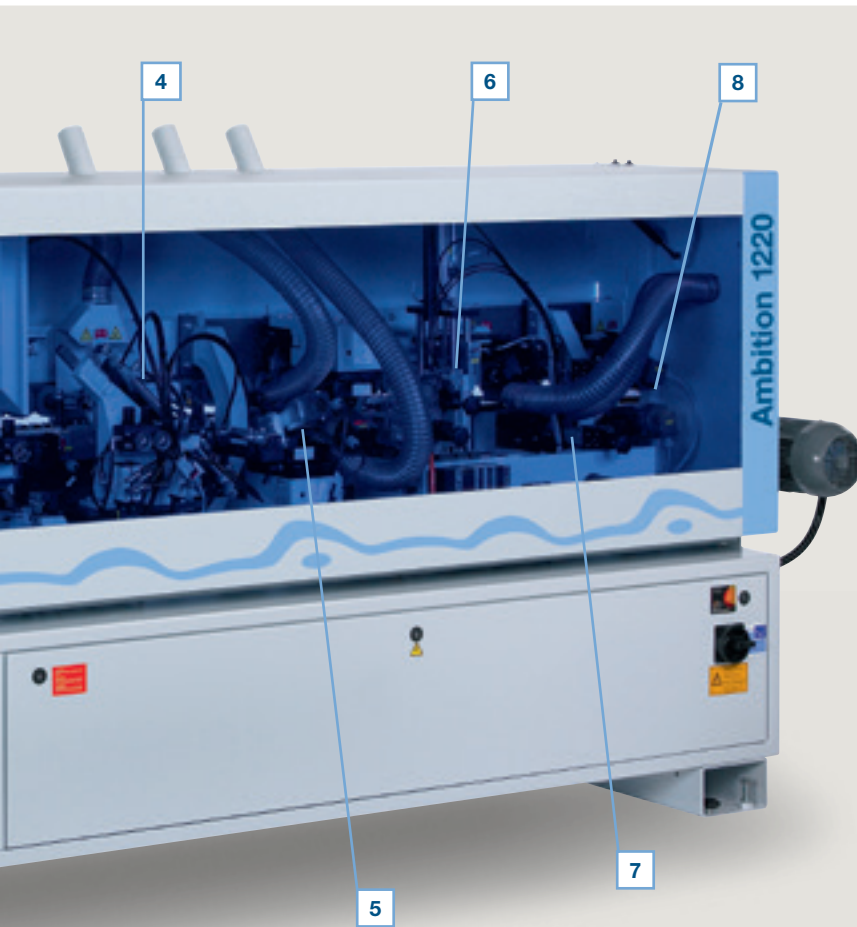
Ambition 1220 airTec, Ambition 1230 airTec and Ambition 1440 airTec

For joiners with high-end requirements, the Ambition airTec models are ideal machines. Whether for production of the perfect zero-joint or for other edge processings, the machine always provides the perfect solution. The nerve center of these machines is the gluing unit, which alongside the airTec activation unit also acts as a dual solution, guaranteeing outstanding flexibility.

Alongside the magazine, all airTec machines are equipped

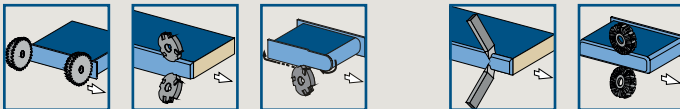
with a joint trimming unit, a two-motor snipping unit, a trimming unit and a profile trimming unit. A radius scraper, a glue joint scraper and a buffing unit ensure a perfect finish. The airTec models are characterized by their high level of automation and a comprehensive range of processing units.

Feed speed: 8 – 11 m/min



Ambition 1220 airTec

- 1** Joint trimming unit
- 2** airTec activation unit
- 3** Gluing unit
- 4** Snipping unit
- 5** Trimming unit
- 6** Profile trimming unit
- 7** Profile scraper
- 8** Buffing unit

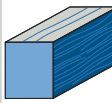
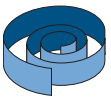
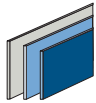
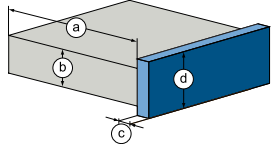


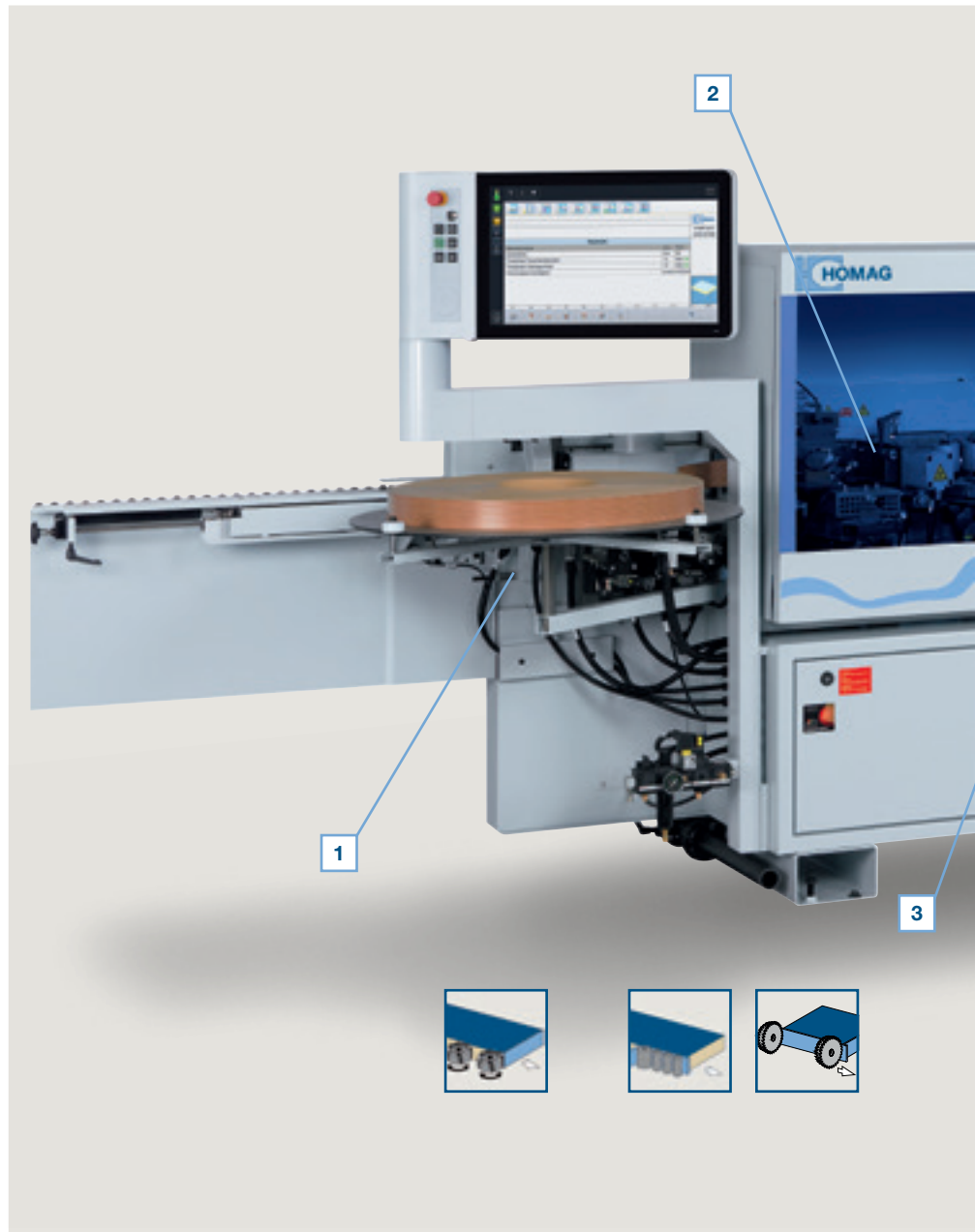
1440 airTec

This model contains the same equipment as the Ambition 1220 airTec, with the addition of a dual-motor profile trimming unit as an alternative.

MATERIAL TYPES

- 0.4 mm melamine
- 2 mm ABS
- Veneer (coil)
- 3 – 8 mm solid strips
- Nesting option

	SOLID (mm)	COILS (mm)	STRIPS (mm)
			
a	with b = 22: min. 70 with b = 40: min. 125		
b	8 – 60		
c	0.4 – 8.0	0.4 – 3.0	0.4 – 3.0
d	65		
			



KDF 440 edition

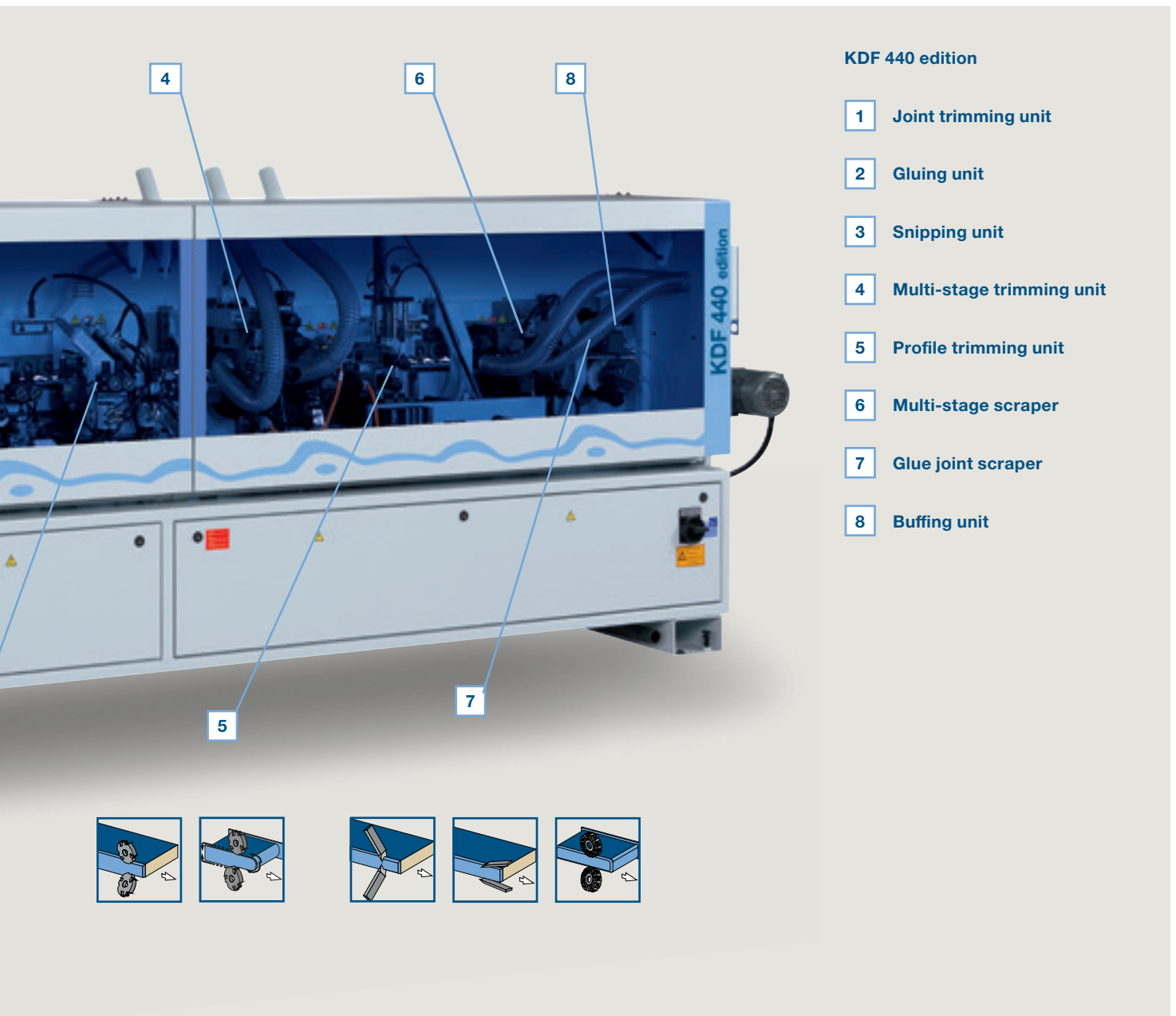
Even in their basic equipment configuration, the KDF 440 edition models offer a high level of automation and simple processing of several radii as standard.

The basic versions are equipped with a joint trimming unit, a precise Quickmelt gluing unit, a two-motor snipping unit, a multi-stage trimming unit and a profile trimming unit. A multi-stage scraper, a glue joint scraper and a buffing unit ensure a perfect finish.

The edition models are characterized by their high level of automation.

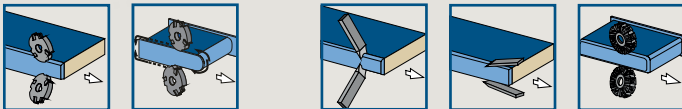
The multi-stage trimming unit and multi-stage scraper provide the optimum radius and consequently the very best results for frequently changing applications.

Feed speed: 8 – 14 m/min



KDF 440 edition

- 1** Joint trimming unit
- 2** Gluing unit
- 3** Snipping unit
- 4** Multi-stage trimming unit
- 5** Profile trimming unit
- 6** Multi-stage scraper
- 7** Glue joint scraper
- 8** Buffing unit



MATERIAL TYPES

- 0.4 mm melamine
- 2 mm ABS
- Veneer (coil)
- 8 mm solid strips
- High gloss
- Nesting option



powerTouch – The new dimension of machine control units

powerTouch represents the operating philosophy of HOMAG: standardized, easy, ergonomic, and evolutionary. The innovative touchscreen operating concept combines design

and function in a completely new generation of control systems. With Ambition 1400.

At the heart of the concept is a large, widescreen multitouch monitor that allows machine functions to be controlled directly by touch. The entire programming interface is optimized for powerTouch operation and offers numerous new help and assistant functions that make working processes substantially easier. Standardized operating elements and software modules ensure that all HOMAG edge banding machines from Ambition 1400 can be operated in the same way using this new concept. They differ only in a few machines-specific details. This not only simplifies operating different machines, but also makes for greater efficiency by significantly reducing the time spent on training and service.



Teleservice reduces on-site service visits

- Reduction in service costs
- Avoids unplanned machine downtimes
- Targeted planning for service visits and spare parts delivery
- Support for maintenance and operating personnel

BENEFITS

- 21" monitor with full HD resolution
- Fast overview of machine status
- Easy, user-oriented navigation
- Guided path to production readiness through traffic light indicator
- New ergonomic design of the operating panel
- Intuitive, natural touch operation on the machine
- Use of gestures, e.g. scrolling, swiping



easyTouch – Simple touches with effective results

The easyTouch control system embodies a new generation of operating systems. The touchscreen surface guarantees fast

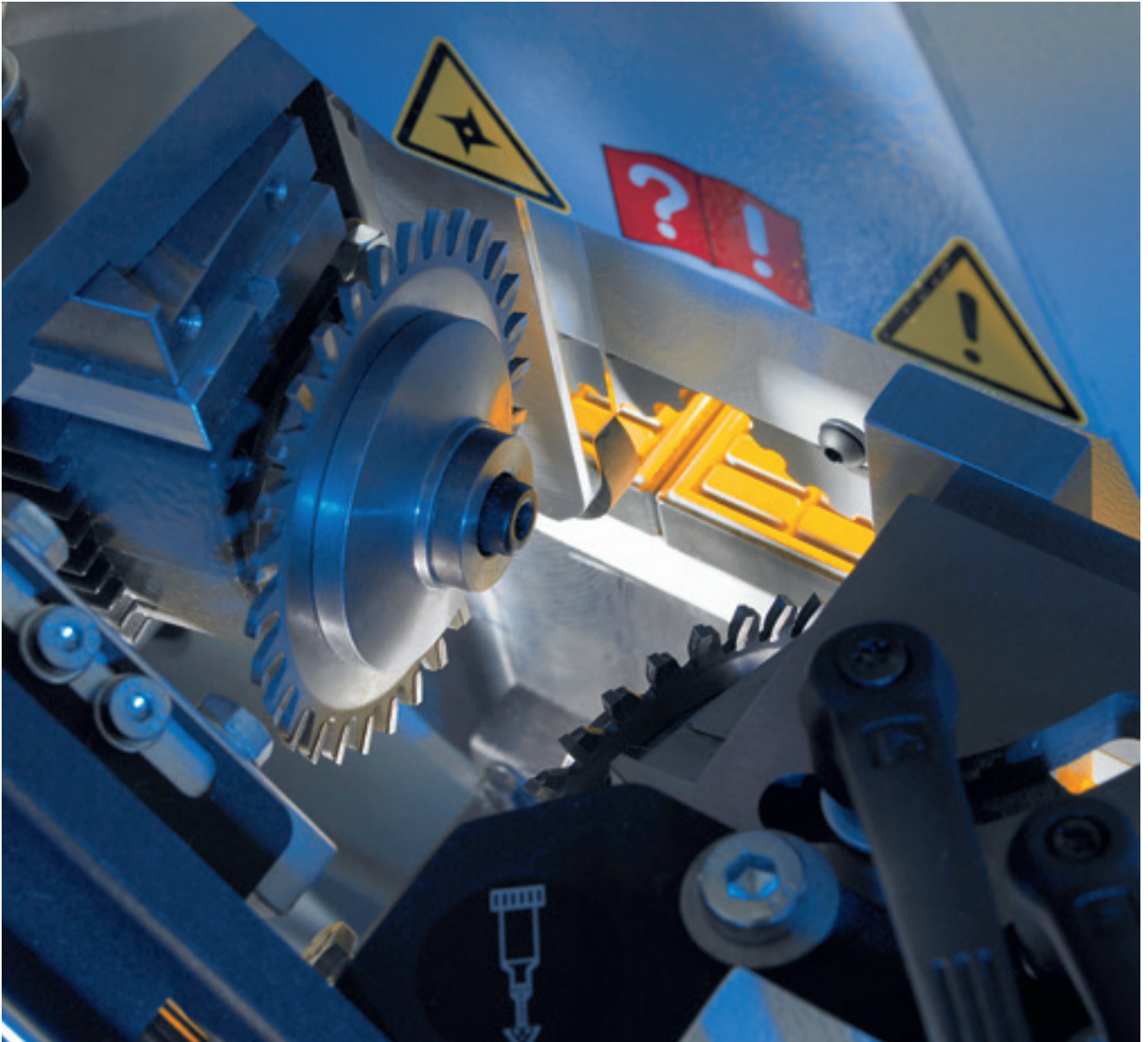
navigation combined with a high level of operating comfort. With Ambition 1100 – 1200.

BENEFITS

- Clear 7" graphic display provides optimum control via touching the control panel directly
- 20 storable programs guarantee flexibility when processing a wide variety of edge materials and changing customer requirements
- Production readiness displayed by traffic light indicator
- Ability to adjust units quickly thanks to direct access via ctrl keys
- Intuitive, user-oriented navigation
- Clear overview of the help and assistant functions, including the glue pot temperature or troubleshooting in plain text

Registration of production data		1. 2mm ABS
Total hours	h	11778.00
Total Workpieces	Stk	48242
Total edge length	m	1044.71
hours	h	0.45.00
Workpieces	Stk	190
edge length	m	222.00

Exact recording of operating hours per commission due to state-of-the-art operating data acquisition



Our range of modular units: The right solution no matter what the requirement

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.

Presenting a range of units for joint trimming, gluing, snipping, profile trimming, grooving and finish processing. Their extreme precision and state-of-the-art technology will boost the flexibility and efficiency of your production.

Workpiece feeding

Precise workpiece feeding is a pre-condition to achieve perfect edge quality. Our solutions are your benefit: infeed

guide, infeed stop, sliding carriage or workpiece support.



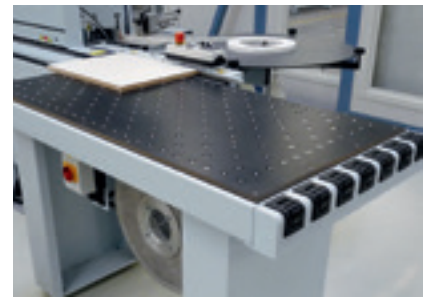
Infeed stop

For minimum workpiece spacing and safe operation.
With Ambition 1400.



Insertion device (optional)

Automatic edge infeed for quick edge changes between different rolls of material.
With Ambition 1200 – 1400.



Air cushion table (optional)

For easy workpiece feeding.



Automatic infeed guide adjustment (optional)

Precise, repeatable program-controlled infeed guide adjustment by means of servo axis.
With Ambition 1400.



Sliding carriage (optional)

Robust linear guiding system to secure right-angled workpiece feeding.
With Ambition 1400.



Belt-type top pressure (optional)

Belt-type top pressure available as an option instead of the standard roller pressure system
With Ambition 1400.

Spraying units

Separating agent spraying units optimally prepare your workpieces for gluing, as separating agents prevent hot-melt glue residue from sticking. Glue residues are simply removed by cleaning agent sprays. Lubricant is applied to protect

sensitive surfaces before trimming and to prevent gloss marks on the workpieces.

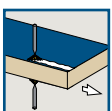
The spraying units thus achieve an optimum workpiece quality.



Spraying unit

Spraying agents for optimal processing results, even for sensitive surfaces.

With Ambition 1200 – 1400.



Joint trimming units

The HOMAG joint trimming units provide the perfect basis for splinter-free workpiece edges and glue joints with a

consistently high standard of product quality.



Joint trimming unit

Perfect cut and long service life due to diamond tipped tools for optimum edge joint quality. The diameter is 100 mm. With Ambition 1100.



Joint trimming unit

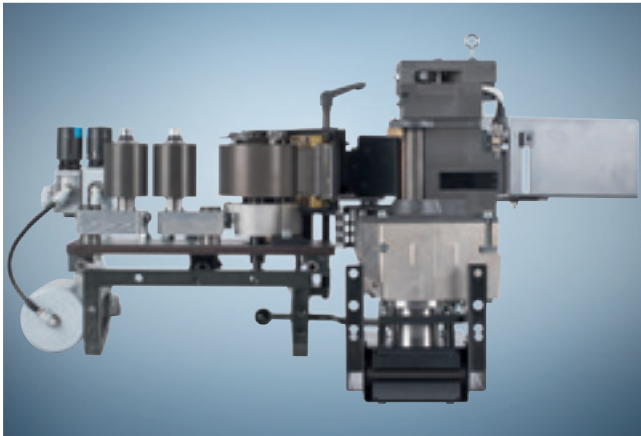
Perfect cut and long service life due to diamond tipped tools for optimum edge joint quality. The diameter is 100 mm. With Ambition 1200 – 1400.



Gluing units – reliable hot melt glue application

HOMAG gluing units are ideal for a fast, positive-locking glue bond. The heated glue roller ensures an optimum gluing temperature. On request, the gluing unit can be equipped

with a PU pre-melting unit (from Ambition 1400) for a high level of availability and optimum gluing quality.



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
- Glue roller lift-off on feed stop
- 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
- Tracing pad prevents wear of the application roller and ensures a consistent glue film thickness
- Easy removal of the application unit with quick-release lock

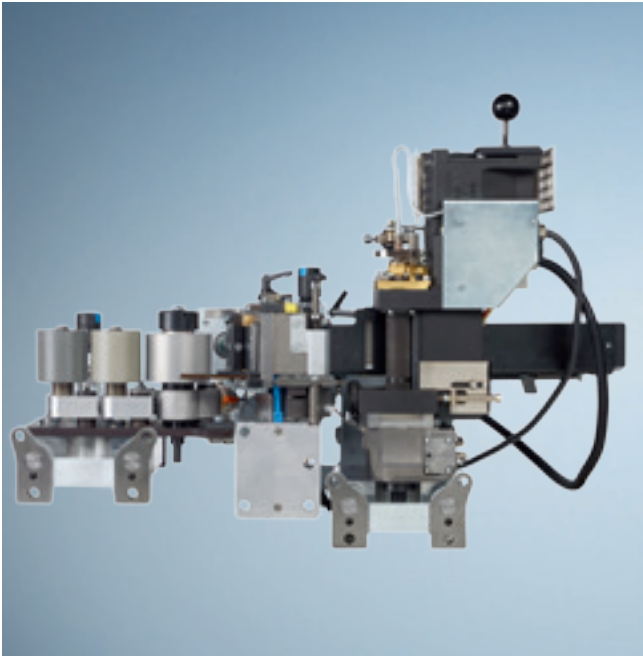
Gluing units

Quick-change application unit with hot melt glue supply from beneath. Can process PU granulate.

Top image: with Ambition 1100.

Bottom image: with Ambition 1210 – 1230 FC.





QA65N glue application system – gravity fed

The application unit can be easily removed by means of a quick-change device with pneumatic interface.

From Ambition 1220 airTec to Ambition 1400.

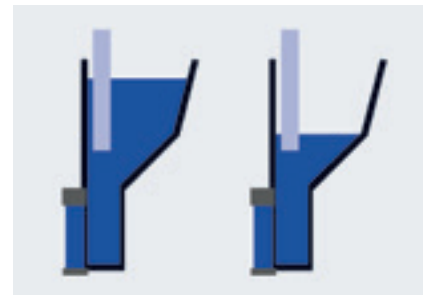
YOUR BENEFITS AT A GLANCE – QA65N

- Short heating-up time by sensed level control (2 levels selectable)
- The application unit can be easily removed by means of a quick-release lock for melting hot-melt glue either automatically or manually
- 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
- Tracing pad prevents wear of the application roller and ensures a consistent glue film thickness
- Glue roller lift-off on feed stop



Service station

- Compact, mobile pre-heating and cleaning station for the application unit QA65N with two storage containers and a storage area
- High flexibility through the use of 2 vacuum containers, each for one QA65N application unit
- No vacuum pump (Venturi nozzle) required as the vacuum is generated using your existing compressed air supply
- By storing in vacuum, no nitrogen is required



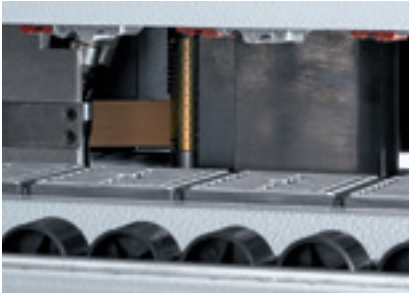
Sensor for checking the fill level of the application unit

Switching to a lower glue level guarantees a fast heat-up time for processing small batch sizes.

Systematic gluing

Achieving perfect gluing results depends on the optimum interaction of entirely different factors. The workpiece pre-heating, the application unit, quick clamping system, melting

unit, magazine and pressure zone from HOMAG are all designed for optimum coordination.



Workpiece pre-heating with contact heating shoe

High-strength gluing due to optimum workpiece pre-heating.
With Ambition 1200.



Workpiece pre-heating with heaters

High-strength gluing due to optimum workpiece pre-heating.
With Ambition 1400.



Pre-melting unit (optional)

High degree of availability and optimum gluing quality thanks to the quick-melt gluing station.
With Ambition 1400.



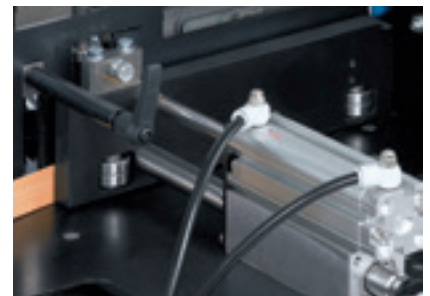
Ambition 1100 pressure zone

Pressure zone up to an edge thickness of 3 mm and a panel height of 40 mm for optimum glue joint quality.



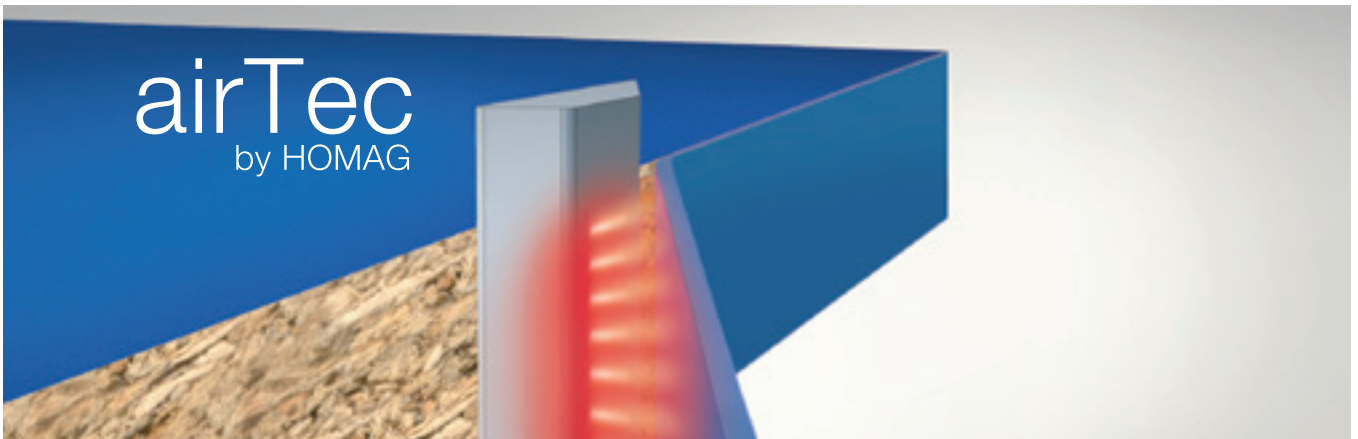
Ambition 1200–1400 pressure zone

Heavy pressure zone up to an edge thickness of 3 mm and a panel height of 50 mm for optimum glue joint quality (optional: 6 mm edge thickness for 60 mm panel height).



Roller counter pressure

Roller counter pressure for sensitive edge material.
With Ambition 1100 – 1400.



airTec – the ideal entry into zero joint technology

The airTec process has become an established zero joint solution in woodworking shops and SMEs. HOMAG's answer to the growing demand is an innovative, more efficient and resource-saving airTec solution. The nerve center of the new airTec unit is a rotation air heater which not only

enhances efficiency but also operates with significantly lower noise emissions. airTec can be used to process all types of currently popular, laser-suitable edging types. This means great flexibility for all materials and colors.



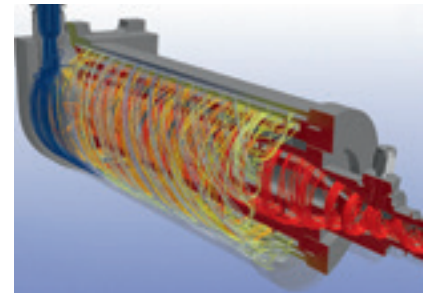
Edge banding “without joints”

The airTec method bonds the edging to the panel using hot air. This requires the use of special edges. These comprise a decor layer and a function layer. The HOMAG airTec unit melts the function layer at an even temperature and flow rate and bonds it perfectly to the narrow surface.



Easy integration

The airTech reactivation unit is installed in such a way that it is possible to work with either the standard application unit or the airTech system.
Image: Ambition 1200.



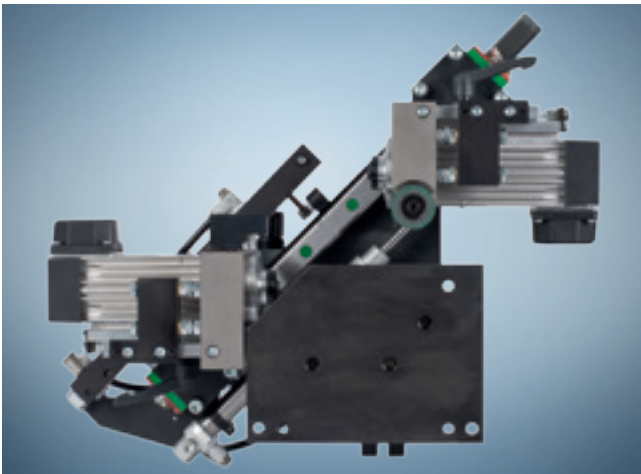
Innovative rotation air heater

The new source of energy heats the air while at the same time acting as a heat store for subsequent repeated air heating. In addition, less air is required and the heating effect on the surrounding area is minimized. Any noise is almost exclusively produced during the activation process and is below the noise level of other processing units.
With Ambition 1400.

Snipping units for cutting the face side overhang

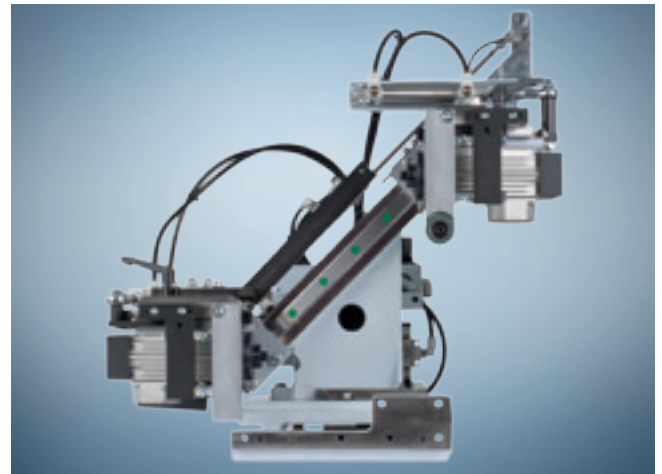
The snipping units prepare the workpieces perfectly for subsequent trimming operation. The face side can be

snipped either straight or with chamfer.



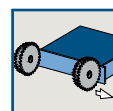
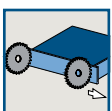
Snipping unit

Exact snipping cut using a robust snipping unit with a highly precise linear guide.
With Ambition 1100.



Snipping unit

Exact snipping cut using a robust snipping unit with a highly precise linear guide. Swivels to easily adjust for chamfer or straight snipping (optional: adjustment using pneumatics).
With Ambition 1200 – 1400.



Trimming units for flush trimming

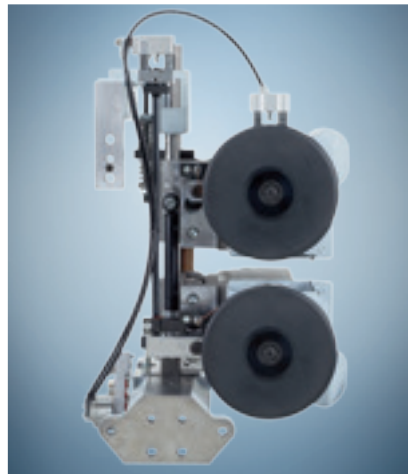
The rough trimming and fine trimming units offer the perfect solutions for processing edge overhangs.

The trimming units are equipped exclusively with tools capable of controlled chip capture.



Trimming unit

Trimming unit with DFC tool technology (Dust Flow Control) for optimal extraction. With Ambition 1100 – 1200.



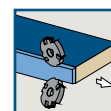
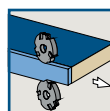
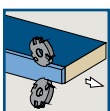
Rough trimming unit

For rough trimming of all common edge banding materials. With Ambition 1400.



Trimming unit

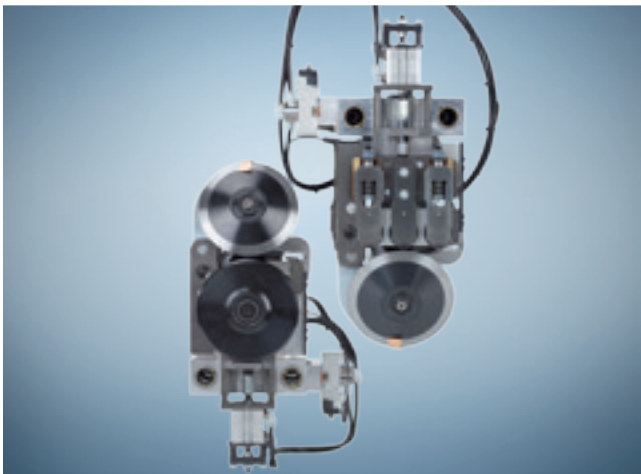
Flexibility for different edge thicknesses and profiles thanks to NC axes. With Ambition 1400.



Trimming with multi-stage technology

The range of edges and panel materials is continually growing and so is the demand for flexibility. It is immaterial if edges are made from plastic, solid wood or veneer, or if workpieces have high-gloss surfaces.

The multi-stage trimming unit always offers the optimum radius for frequently changing applications, and therefore the best results.



Multi-stage trimming unit MS40/45

Fully automatic changeover to three different profiles using servo motors*.

Image shows nesting package.

With Ambition 1400.

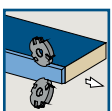


1. Plan

2. Profile 1

3. Profile 2

* Servo motors: Servo drives consist of motors with a stepless adjustment. They impress thanks to a high positioning accuracy and are particularly suitable for small positioning distances.

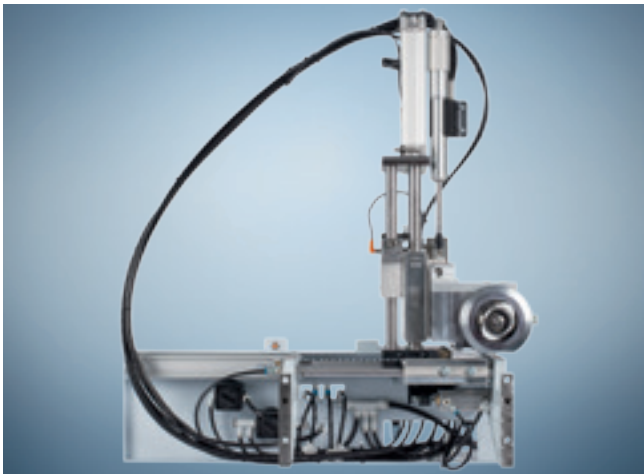


Profile trimming units

The profile trimming units are universal. The user has the choice to adjust the units manually or to control them via

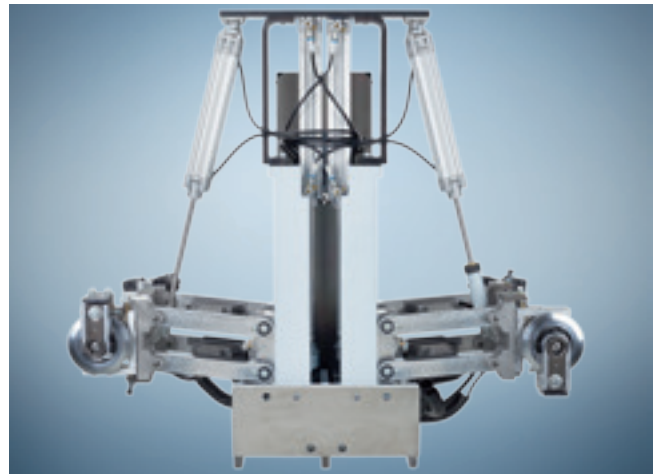
program.

The design is then carried out up to a speed of 14 m/min.



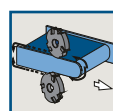
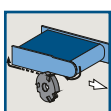
Profile trimming unit FF10

Optimum profile trimming without making adjustments thanks to linked DIA tool and tracing roller. Workpiece thickness up to 60 mm. With Ambition 1100 – 1400.



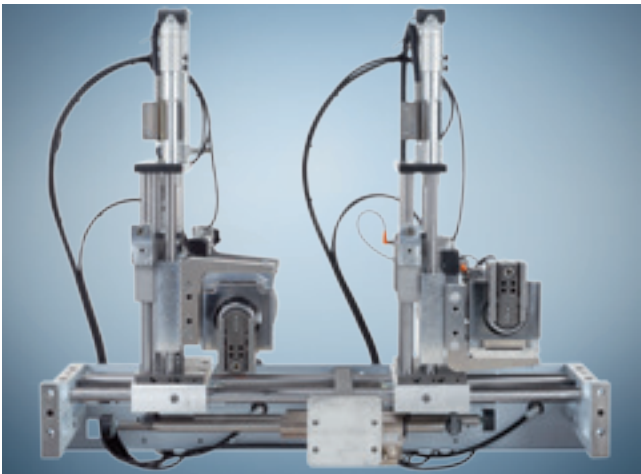
Profile trimming unit FF20

For rounding corners on thick PVC edges, as well as top edges on post-forming and soft-forming parts. Equipped with an automatic adjustment to switch between thin and thick edges. Workpiece thickness up to 60 mm. With Ambition 1400.



Grooving unit

A swiveling grooving unit is available for grooving. If required, the workpiece underside and the front side can be grooved.



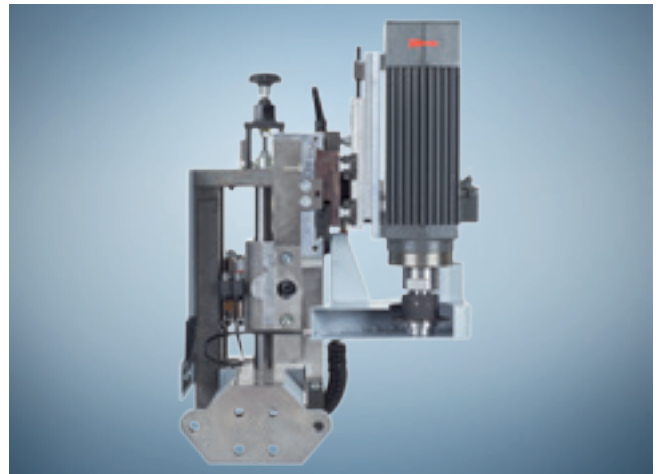
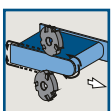
Multifunctional trimming unit MF50

Trimming of the top and bottom edge overhang as well as corner copying on the front and rear edges. Equipped with an automatic adjustment to switch between thin and thick edges. Workpiece thickness up to 60 mm.

With Ambition 1400.

Automation to suit every need

Automatic adjustment between two different radii is possible.



Grooving unit

A swiveling grooving unit is available for grooving. If required, the workpiece underside and the face side can be grooved.

With Ambition 1440 FGC.



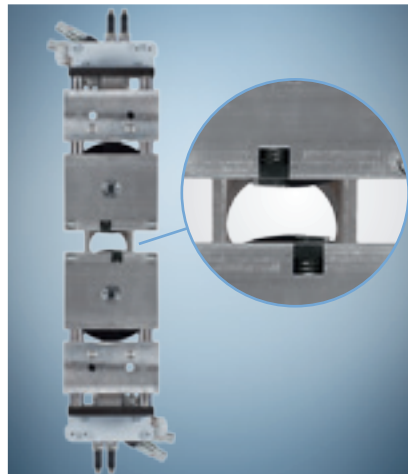
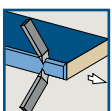
Finishing units

HOMAG ensures the optimum quality of your products with a range of ideally coordinated finishing units.



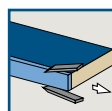
Profile scraper

Unit to smooth radii or chamfers, equipped with quick change heads for fast profile change.



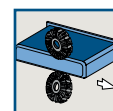
Glue joint scraper

For the perfect finish.



Buffing unit

To polish edges and maintain their natural color.



Finish with multi-stage technology

The range of edges and panel materials is continually growing and so is the demand for flexibility. It is immaterial if edges are made from plastic, solid wood or veneer, or if workpieces have high-gloss surfaces.

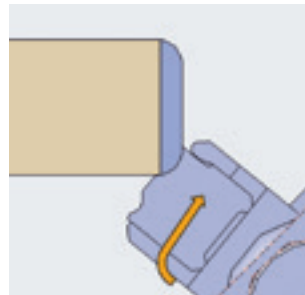
The multi-stage scraper always offers the optimum radius for frequently changing applications, and therefore the best results.



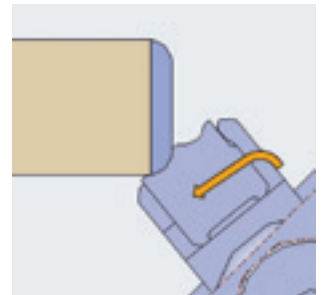
Multi-stage scraper MZ40

Fully automatic changeover to two different profiles using servo motors*. With Ambition 1400.

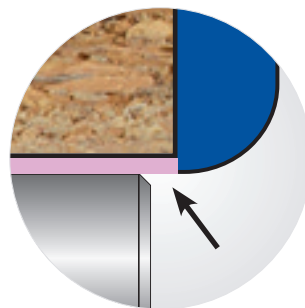
* Servo motors: Servo drives consist of motors with a stepless adjustment. They impress thanks to a high positioning accuracy and are particularly suitable for small positioning distances.



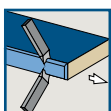
1. Profile 1



2. Profile 2

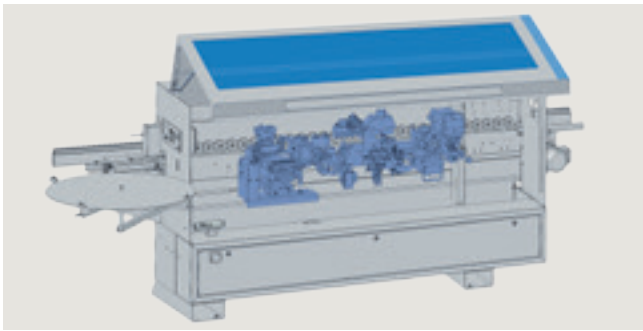


Optimum compensation for protective films

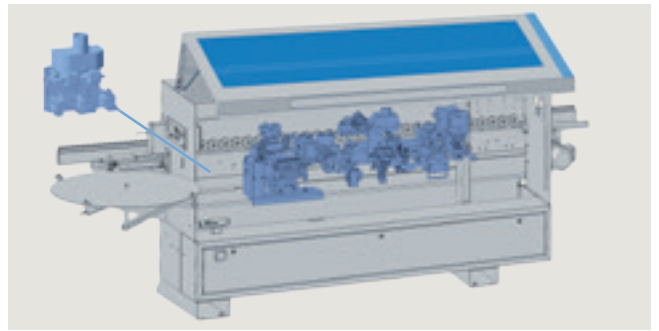


TECHNICAL DATA FOR HIGHFLEX/AMBITION 1100 SERIES

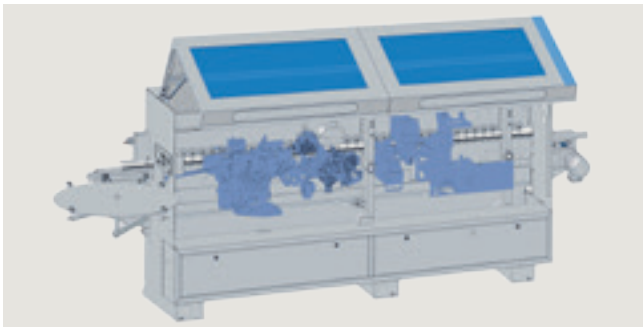
MACHINE DIMENSIONS	AMBITION 1100	AMBITION 1110 F	AMBITION 1120 C	AMBITION 1120 FC	AMBITION 1120 F
Overall length (mm)	3,672	3,672	4,270	4,270	4,270
Working height (mm)	950	950	950	950	950
WORKING DIMENSIONS					
Workpiece width (mm)					
with workpiece thickness 8 – 22 mm	70	70	70	70	70
with workpiece thickness 23 – 40 mm	120	120	120	120	120
Workpiece thickness (mm)	8 – 40	8 – 40	8 – 40	8 – 40	8 – 40
Edge thickness, coils (mm)	0.4 – 3	0.4 – 3	0.4 – 3	0.4 – 3	0.4 – 3
Edge thickness, strips / solid strips (mm)	0.4 – 3	0.4 – 3	0.4 – 3	0.4 – 3	0.4 – 3
MISCELLANEOUS					
Feed speed (m/min)	8	8	8	8	8
Weight (kg)	700	750	900	950	900
Pneumatic system (bar)	6	6	6	6	6
Electrics	Suitable for all types of power supply grid worldwide				



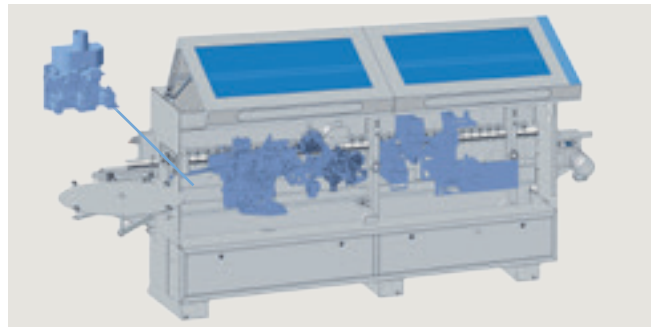
Ambition 1110



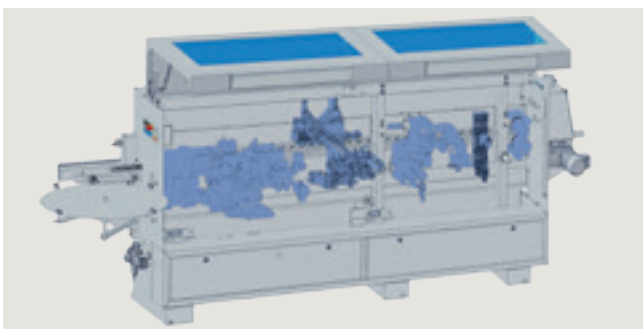
Ambition 1110 F



Ambition 1120 C



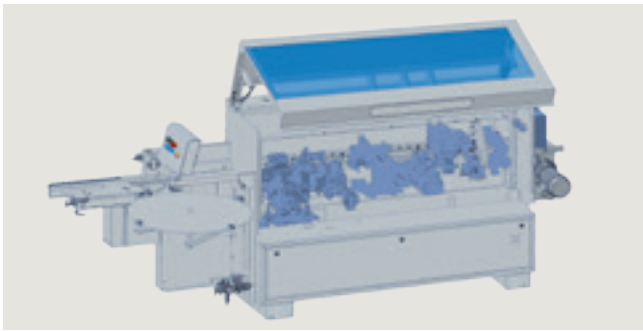
Ambition 1120 FC



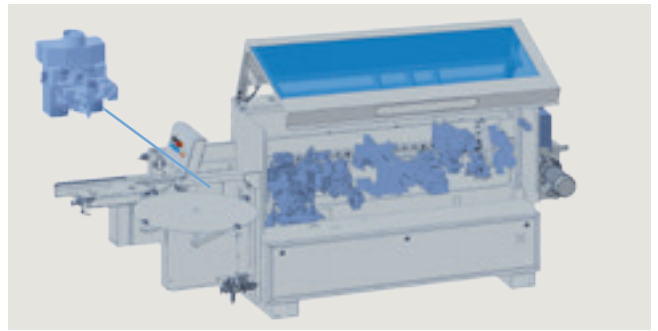
Ambition 1120 F

TECHNICAL DATA FOR AMBITION AIRTEC 1200 SERIES

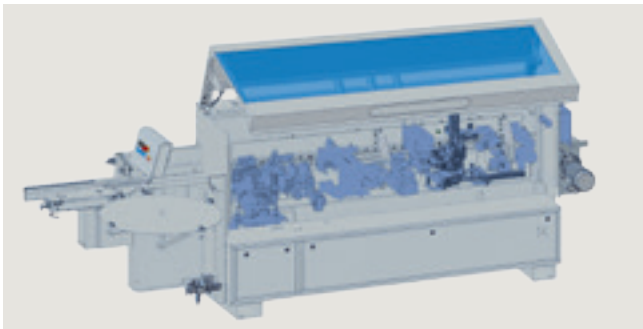
MACHINE DIMENSIONS	AMBITION 1210	AMBITION 1210 F	AMBITION 1220 C	AMBITION 1220 FC	AMBITION 1230 FC
Overall length (mm)	3,507	3,653	4,153	4,153	4,773
Working height (mm)	950	950	950	950	950
WORKING DIMENSIONS					
Workpiece width (mm)					
with workpiece thickness 8 – 22 mm	70	70	70	70	70
with workpiece thickness 23 – 50 mm	120	120	120	120	120
Workpiece thickness (mm)	8 – 50 (opt. 8 – 60)	8 – 50 (opt. 8 – 60)	8 – 50 (opt. 8 – 60)	8 – 50 (opt. 8 – 60)	8 – 50 (opt. 8 – 60)
Edge thickness, coils (mm)	0.4 – 3	0.4 – 3	0.4 – 3	0.4 – 3	0.4 – 3
Edge thickness, strips / solid strips (mm)	0.4 – 3	0.4 – 3	0.4 – 3	0.4 – 3	0.4 – 3
MISCELLANEOUS					
Feed speed (m/min)	11	11	11	11	11
Weight (kg)	910	1,080	1,240	1,290	1,500
Pneumatic system (bar)	6	6	6	6	6
Electrics	Suitable for all types of power supply grid worldwide				



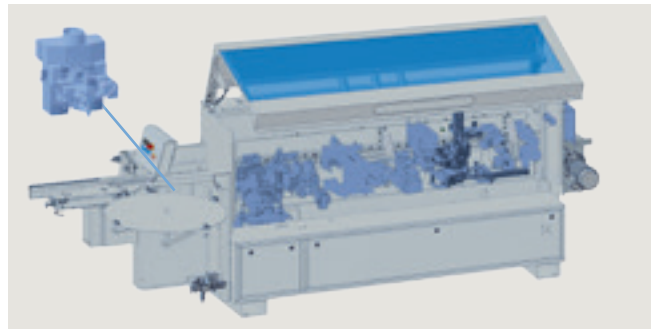
Ambition 1210



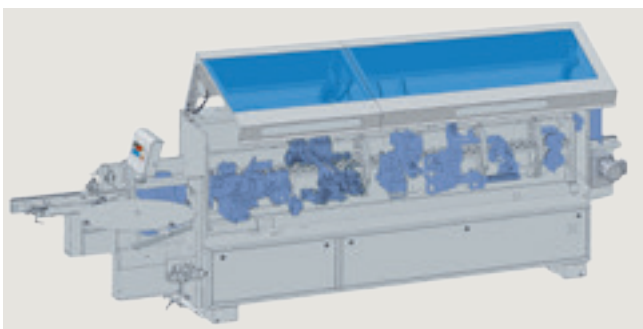
Ambition 1210 F



Ambition 1220 C



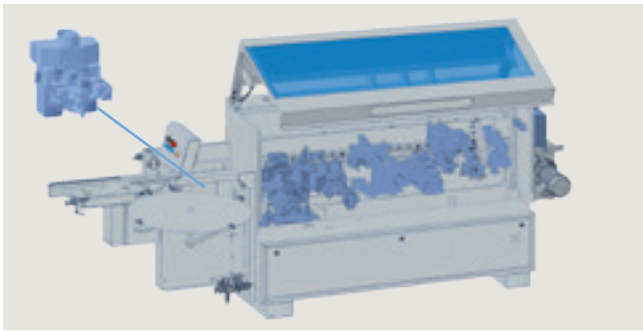
Ambition 1220 FC



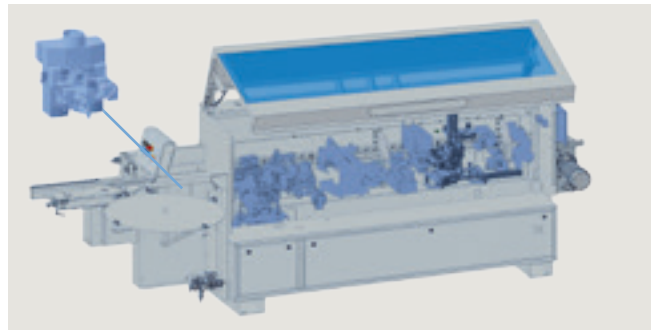
Ambition 1230 FC

TECHNICAL DATA FOR HIGHFLEX/AMBITION AIRTEC 1200 SERIES

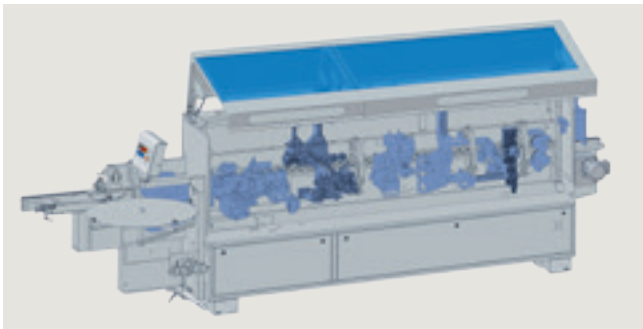
MACHINE DIMENSIONS	HIGHFLEX 1210	HIGHFLEX 1220	HIGHFLEX 1230	AMBITION 1220 AIRTEC	AMBITION 1220 AIRTEC
Overall length (mm)	3,653	4,153	4,773	4,469	5,070
Working height (mm)	950	950	950	950	950
WORKING DIMENSIONS					
Workpiece width (mm)					
with workpiece thickness 8 – 22 mm	70	70	70	70	70
with workpiece thickness 23 – 40 mm	120	120	120	120	120
with workpiece thickness 41 – 60 mm	150	150	150	150	150
Workpiece thickness (mm)	8 – 60	8 – 60	8 – 60	8 – 60	8 – 60
Edge thickness, coils (mm)	0.4 – 3	0.4 – 3	0.4 – 3	0.4 – 3	0.4 – 3
Edge thickness, strips / solid strips (mm)	0.4 – 6	0.4 – 6	0.4 – 6	0.4 – 6	0.4 – 6
MISCELLANEOUS					
Feed speed (m/min)	11	11	11	8	8
Weight (kg)	1,080	1,280	1,500	1,290	1,500
Pneumatic system (bar)	6	6	6	6	6



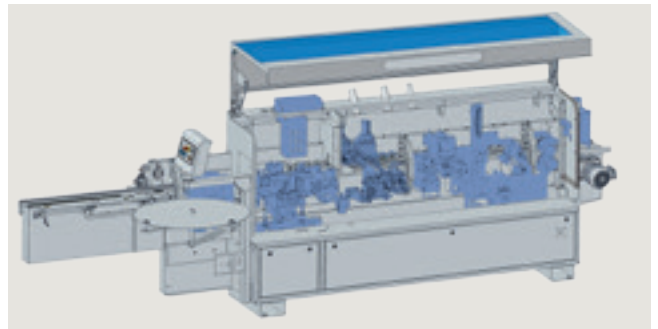
Highflex 1210



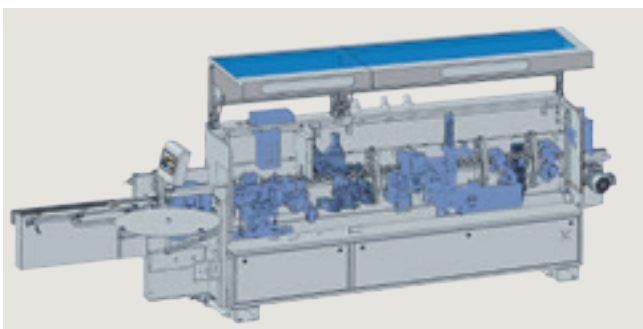
Highflex 1220



Highflex 1230



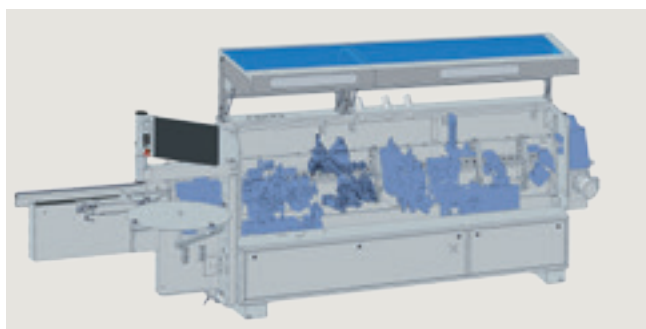
Ambition 1220 airTec



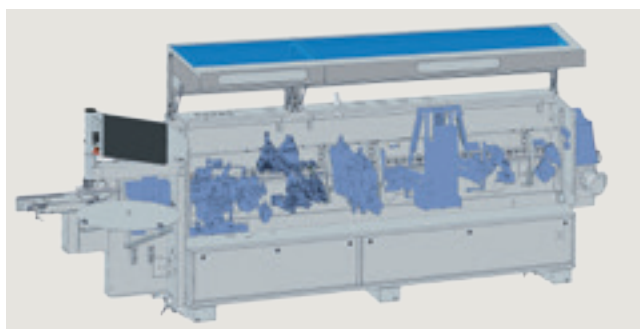
Ambition 1230 airTec

TECHNICAL DATA FOR AMBITION 1400 SERIES

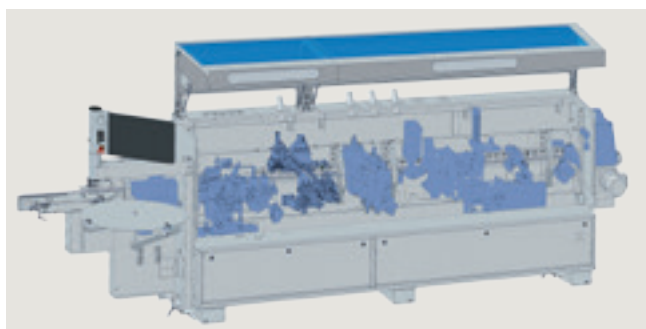
MACHINE DIMENSIONS	AMBITION 1430 FC	AMBITION 1440 FC	AMBITION 1440 FGC	AMBITION 1440 AIRTEC
Overall length (mm)	4,773	5,273	5,273	5,573
Working height (mm)	950	950	950	950
WORKING DIMENSIONS				
Workpiece width (mm)				
with workpiece thickness 8 – 22 mm	70	70	70	70
with workpiece thickness 23 – 40 mm	120	120	120	120
with workpiece thickness 41 – 60 mm	150	150	150	150
Workpiece thickness (mm)	8 – 60	8 – 60	8 – 60	8 – 60
Edge thickness, coils (mm)	0.4 – 3	0.4 – 3	0.4 – 3	0.4 – 3
Edge thickness, strips / solid strips (mm)	0.4 – 8	0.4 – 8	0.4 – 8	0.4 – 8
MISCELLANEOUS				
Feed speed (m/min)	11 (opt. 8 – 14)	11 (opt. 8 – 14)	11 (opt. 8 – 14)	11 (opt. 8 – 14)
Weight (kg)	1,600	1,850	1,850	1,850
Pneumatic system (bar)	6	6	6	6
Electrics	Suitable for all types of power supply grid worldwide			



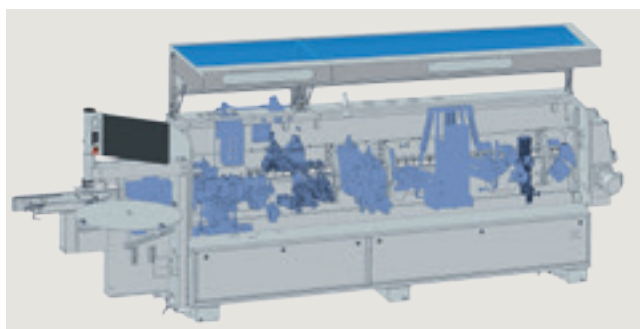
Ambition 1430 FC



Ambition 1440 FC



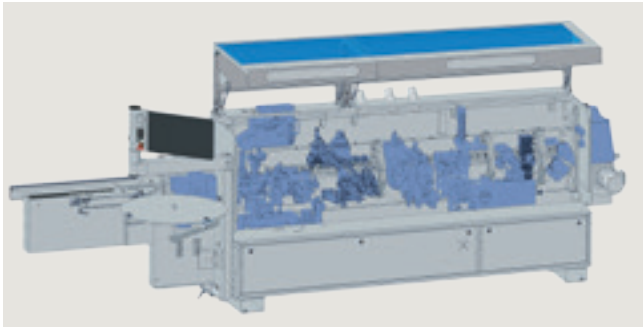
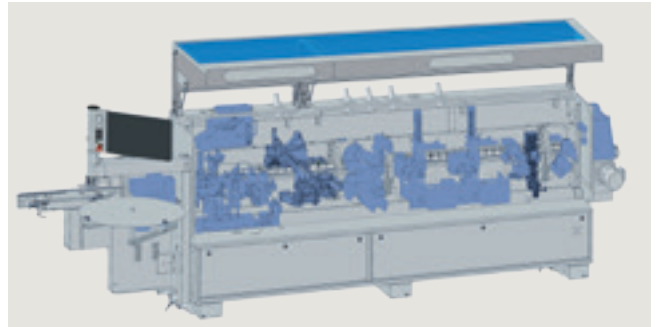
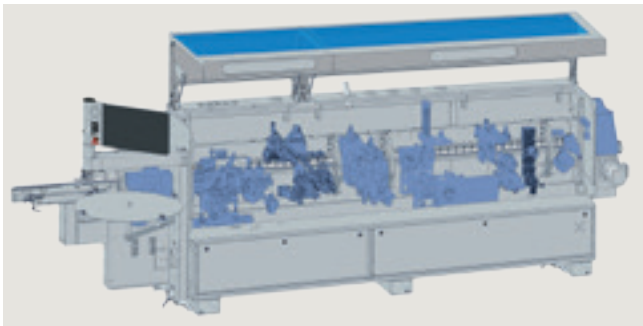
Ambition 1440 FGC



Ambition 1440 airTec

TECHNICAL DATA FOR HIGHFLEX/EDITION 1400 SERIES

MACHINE DIMENSIONS	HIGHFLEX 1430	HIGHFLEX 1440	KDF 440 EDITION
Overall length (mm)	4,773	5,273	5,573
Working height (mm)	950	950	950
WORKING DIMENSIONS			
Workpiece width (mm)			
with workpiece thickness 8 – 22 mm	70	70	70
with workpiece thickness 23 – 40 mm	120	120	120
with workpiece thickness 41 – 60 mm	150	150	150
Workpiece thickness (mm)	8 – 60	8 – 60	8 – 60
Edge thickness, coils (mm)	0.4 – 3	0.4 – 3	0.4 – 3
Edge thickness, strips / solid strips (mm)	0.4 – 8	0.4 – 8	0.4 – 8
MISCELLANEOUS			
Feed speed (m/min)	8 – 14	8 – 14	8 – 14
Weight (kg)	1,600	1,850	1,850
Pneumatic system (bar)	6	6	6
Electrics	Suitable for all types of power supply grid worldwide		

**Highflex 1430****Highflex 1440****KDF 440 edition**



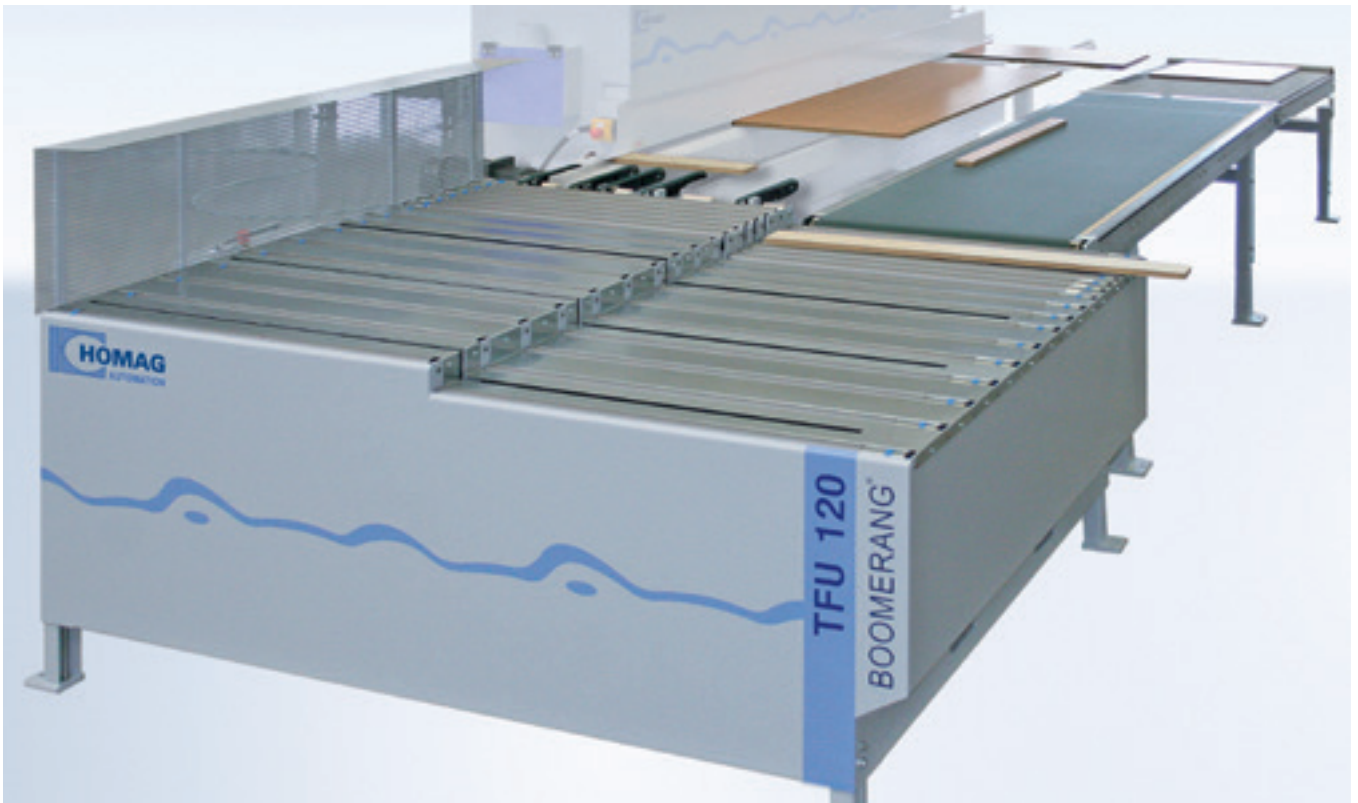
The right machine for your requirements

The machines from the 1100 to 1400 series offer comprehensive solutions for the flexible and economical manufacture of your products. Whether living room, bedroom and kitchen furniture, functional office furniture, superior shopfitting solutions or batch size 1 production for individual

requirements — HOMAG offers a well designed product range to meet any requirement. Using these machines can also make current trends easily achievable for you and your employees.



Pictures courtesy of: Kettnaker GmbH & Co. KG (living room), Fotolia (kitchen and bathroom)



BOOMERANG® return conveyor TFU 120: Higher productivity for your HOMAG Edge Bander

As an indispensable assistant the return system renders your HOMAG Ambition even more economic.

With the one-man-operation you optimize the workpiece return and allow a lean and efficient production process. Any

combination of your HOMAG machine of the Ambition 1400 series with this return system is provided. Ideally suited for customers with small, narrow, and medium-sized workpieces.

BOOMERANG® TFU 120

The entry to a comfortable material flow.



YOUR BENEFITS AT A GLANCE

- Fast amortization – pays off from 9 hours working time per week
- No training necessary – assemble the BOOMERANG®, connect it, and get started
- Flexible operator organization – thanks to economic one-man operation
- Ergonomic working – manual parts handling is reduced to a minimum
- Improved quality control – rapid response to material adjustments

TECHNICAL DATA BOOMERANG®

TFU 120	
Workpiece length (mm)	300 – 2,500
Workpiece width (mm)	50 – 1,450
Workpiece thickness (mm)	8 – 60
4-SIDED PROCESSING*	
min. workpiece length (mm)	300 x 300
max. workpiece length (mm)	1,450 x 1,450
MISCELLANEOUS	
Weight (kg)	max. 50
Feed speed (m/min)	8 - 25

*Larger workpieces can be returned or fed out at 4-sided processing with manual assistance during crosswise offset and turning.

BY THE WAY

The BOOMERANG® already pays off within one year, in fact starting from an operation of 9 hours per week!



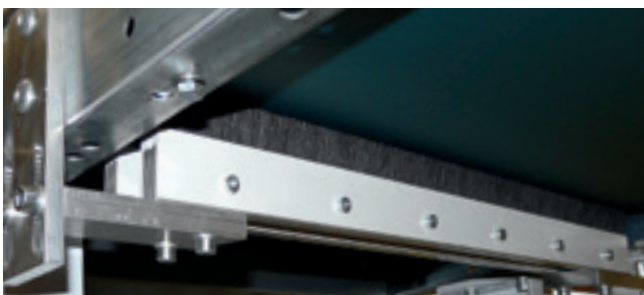
Sensor-controlled pivot pins (option)

For easier rotation of short and narrow workpieces.



CE Package

Safety engineering equipment. For the protection of the employees.



Belt cleaning

For optimal protection against dust and chips.



Remote control (option)

Separate control panel at the infeed of the edge-banding machine.



HOMAG Life Cycle Services

The sale of our machines comes with all-in optimum service backup and individual advice. We support you with service innovations and products which are specially tailored to your requirements.

With short response times and fast customer solutions we guarantee consistently high availability and economical production - over the entire life cycle of your machine.



Remote Service

- Hotline Support by remote service for control systems, mechanics and process technology, resulting in 85.2% fewer on-site servicing callouts
- Mobile applications such as ServiceBoard reduce costs due to rapid assistance in case of faults using mobile live video diagnostics and the online spare parts shop eParts



Spare Part Service

- Round-the-clock identification, inquiries and direct ordering of spare parts at www.eParts.de
- Local availability of parts through sales and service companies, as well as sales and service partners all over the world
- Reduced downtimes due to defined spare part and wearing part kits



Modernization

- Keep your machinery up to date and increase your productivity and product quality to prepare yourself today for the product requirements of tomorrow
- We provide support in the form of upgrades, modernization, individual advice and development



HOMAG Finance
– precisely the right financing

- We offer you tailor-made financing arrangements for your plants and machines. Our advisory service goes hand in hand with our technical expertise over a wide range of issues. Your personal advisor will take care of the complete process
- The benefits for you: The ability to invest without delay in new technologies and remain financially flexible

1,200

service staff worldwide.

650

spare parts orders processed per day.

85.2%

fewer on-site service callouts
due to successful remote diagnostics.

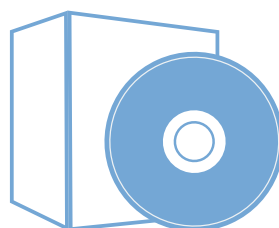
>150,000

machines electronically
documented in 28 languages in eParts.



Training

- Training tailored precisely to your requirements ensures the optimum operation and maintainance of your HOMAG machinery by your own machine operators
- Courses include customer-specific training documentation complete with practical training exercises



Software

- Telephone assistance and advice by Software Support
- Digitalization of your samples by means of 3D scanners saves time and money compared to new programming
- Subsequent networking of your machine outfit using smart software solutions from design through to production



Field service

- Increase of machine availability and product quality by certified service staff
- Assurance of the highest quality of your products by regular checks through maintenance / inspection
- Minimized downtimes due to the ready availability of qualified technicians

HOMAG Kantentechnik GmbH

Weststrasse 2

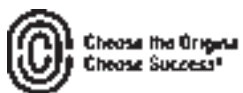
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For the success of original technology.
A VDMA campaign.