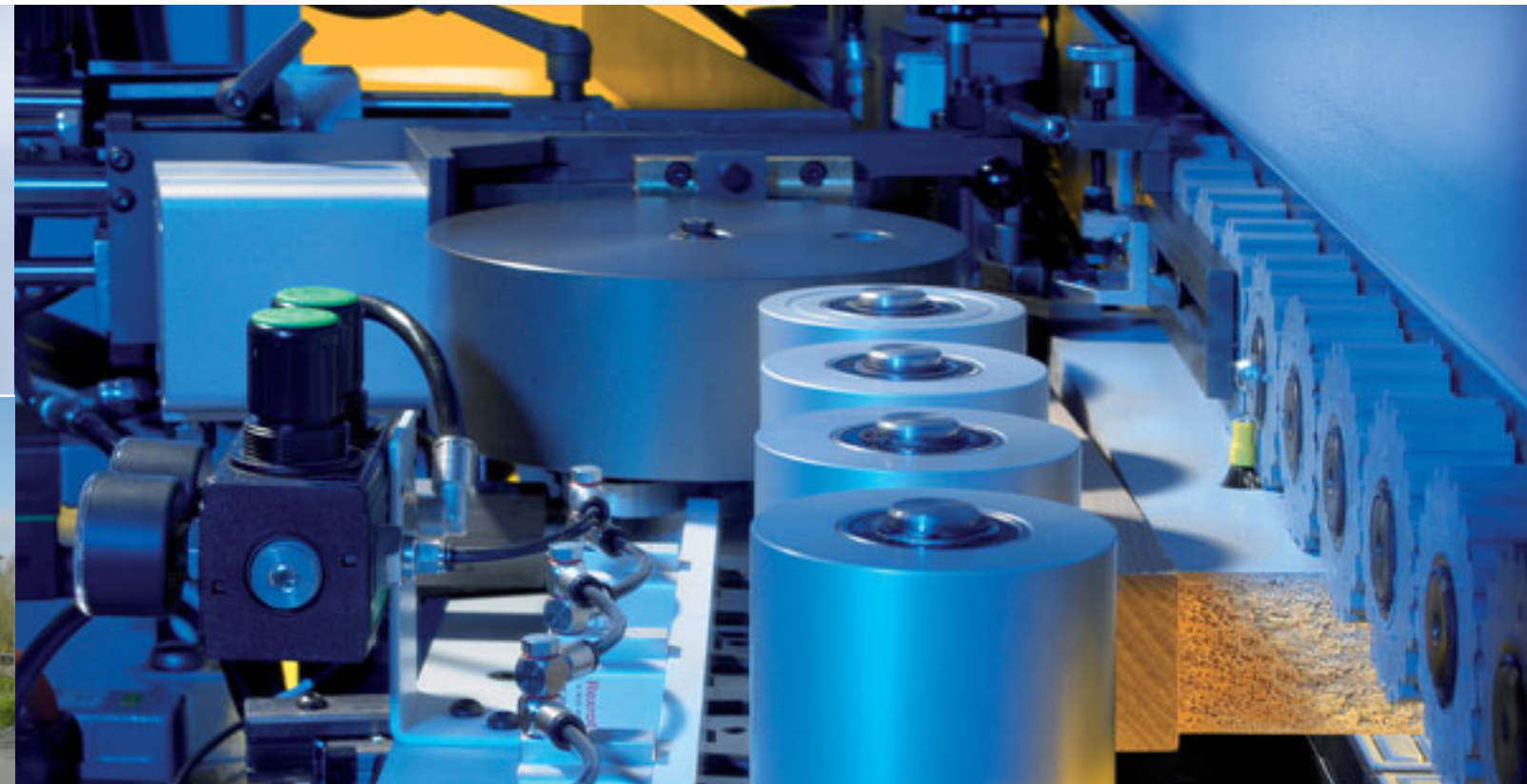




Edge banding machines Ambition 1870 - 1890



A member of the Homag Group of Companies



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HOMAG Group

Success through partnership

To survive in a fiercely competitive market, a company has to have fast, flexible and efficient production. The HOMAG Group, with its sales and service network in over 90 countries around the world, offers you and your employees a strong partnership no matter where you are.

The HOMAG Group of companies cover all areas of woodworking and wood-processing. Panel sizing, sawing, edge technology, transportation technology and handling systems are just a few of our specialties. We also offer solutions for drilling, coating technology, surface technology, plants for doors and doorframes, timber house

construction, sanding technology, automation systems, packaging equipment and software. We provide a complete and innovative range of products and services that are always the perfect solution for any requirement. You, our customers, benefit from high precision, performance and cutting-edge technology.

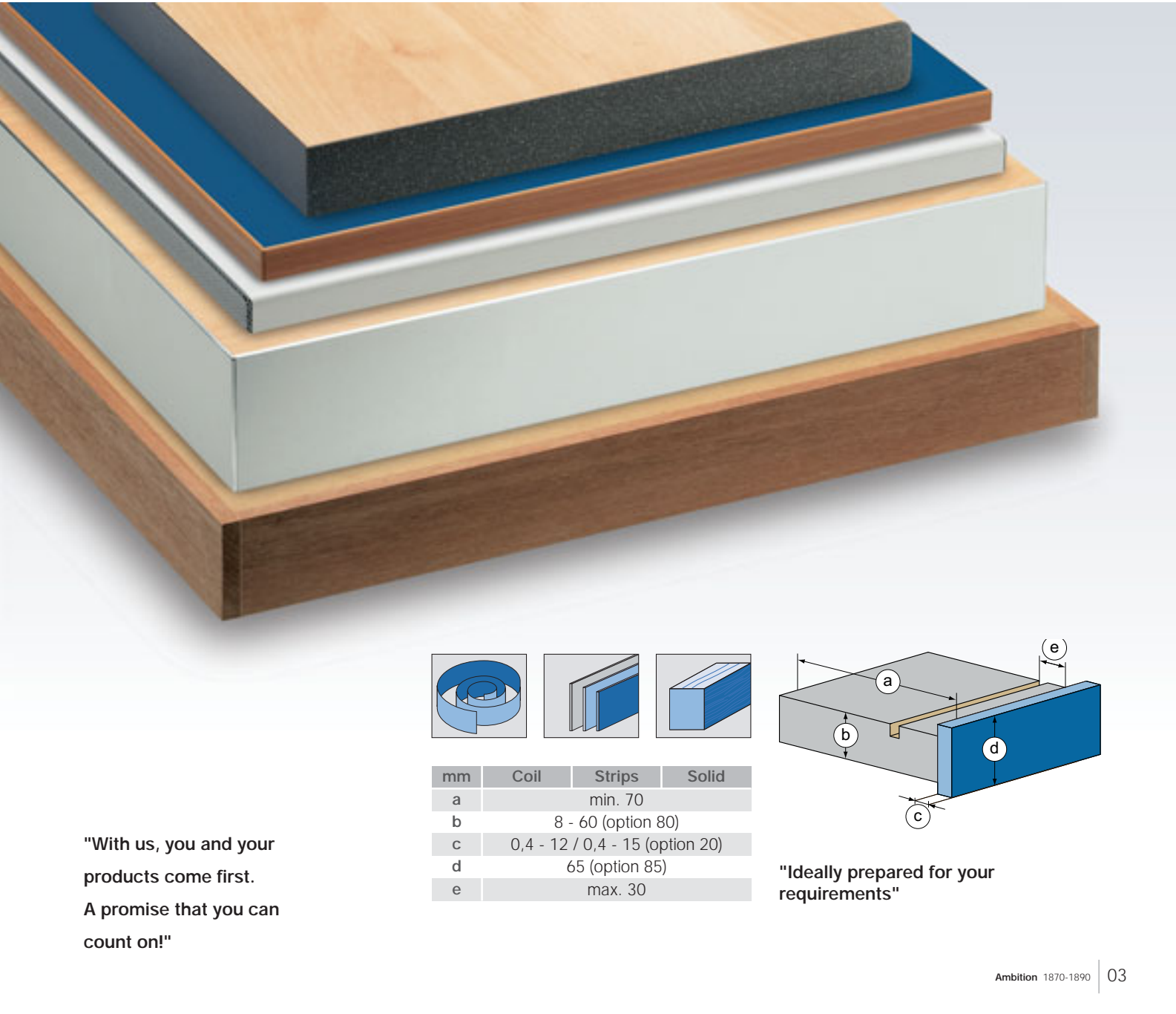
BRANDT

Perfect edges for demanding customers

We offer our customers innovative and powerful edgebanding machines. Efficiency and quality have the highest priority, and ensure long-term competitive advantages for you. With an annual production of over 2000 edgebanding machines, we are the edgebanding specialist in the HOMAG Group and the world leader in our market segment.

A high degree of standardization in combination with an advanced manufacturing process and more than 50 years of engineering experience ensure state of the art quality at a superb price-performance ratio. Our clear and structured product range is designed to

meet the demands of current and future market trends. All of our developments are focused toward practically-oriented and economic solutions that guarantee you the best possible production results.



"With us, you and your products come first. A promise that you can count on!"

"Ideally prepared for your requirements"

Ambition 1870 FC - 1890 F2CU

Uncompromising performance every time

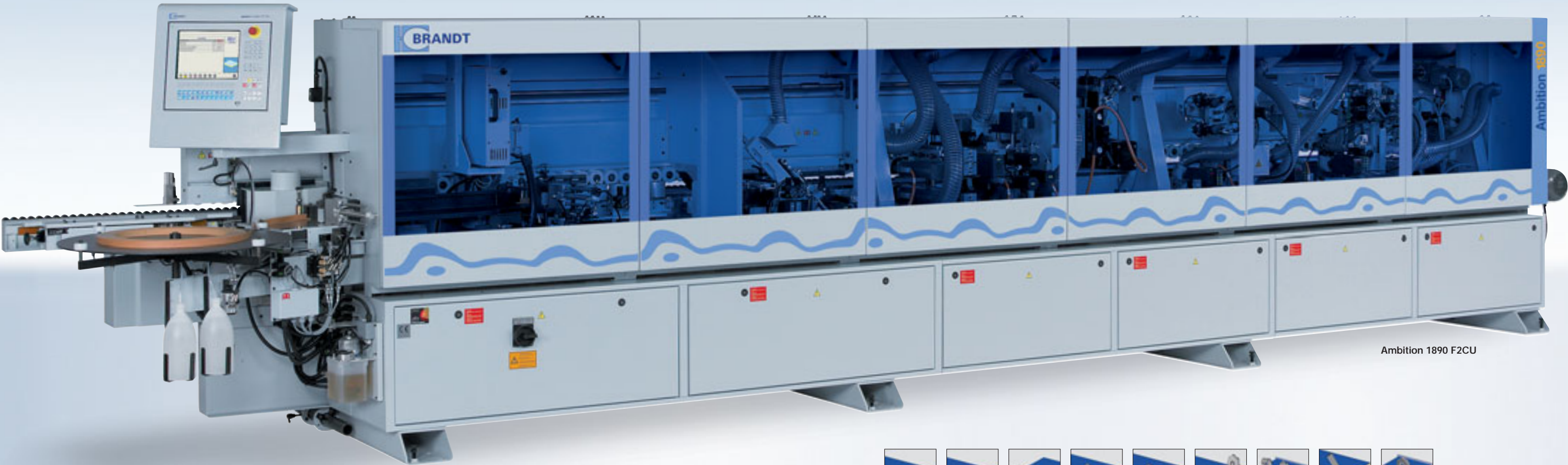
The Ambition 1800 series offers a service portfolio that is ordinarily only seen in industrial edgebanders. The standard version is equipped with a joint trimming unit, a precision gluing unit, a tiltable end trimming unit, a top/bottom trimming unit and a four motor contour trimming unit. A perfect finish is guaranteed by the radius scraper and a buffing unit.

On-demand availability and a perfect glue line are guaranteed by the Quick-melt gluing unit which is standard on all machines in this series. Uncompromising performance is achieved via standard workpiece gap optimization, a rough trimming unit for heavy

trimming, a tiltable grooving unit and a glue joint scraper, plus variable feed speed of 8-20 m/min. The universal trimming unit guarantees an excellent and all-purpose performance of the grooving and profiling stations.

The right solution for your requirements

The Ambition 1800 series machine leaves nothing lacking. Whether your needs are "batch size one" production, for demanding bespoke shop fitting applications, living & bedroom furniture or functional office furniture, the Ambition 1800 Series always offers the right solution for your requirements.



Ambition 1890 F2CU



The controller – Quality and precision with the touch of a button

Through targeted and constant development of controller technology, simple operation and a high operating comfort are guaranteed. At BRANDT we focus on you as our customer and your finished product.

PowerControl PC 20+, offering every "plus" for the customer

- + Optimum overview by using an easy to view 12" screen
 - + High operator comfort with all functions button-controlled from the operating panel
 - + Short set up times, through high controller capacity and easy selection of processing programs
- + Self-explanatory operator guidance, through a graphic interface and optimum visualisation
 - + Network-compatible
 - + Context-sensitive help - detailed information about the functions and how to operate the machine directly on the screen
- + Compilation of production data for detailed gathering of job related costs



Teleservice reduces field service work operations

- Reduction of service cost
- Avoidance of an unscheduled machine downtime
- Specific scheduling of field service work + spare parts
- Support to maintenance and operation staff



Machine	0-261-20-5679
Date	10.05.2011
Time	06:49:52
Production order	Kommission Test Kuechen
Operator	SM
Additional info	Kommentar:
Program	programm1
Date	10.05.2011 10.05.2011 10.05.2011 10.05.2011 10.05.2011
Start time	06:49:20 06:49:50 06:50:02 06:50:15 06:50:28
Stop time	06:49:38 06:49:51 06:50:05 06:50:18 06:50:31
Hours per day	0:00 0:00 0:00 0:00 0:00
Workpieces per day	0:0 0:0 0:0 0:0 0:0
Edge length per day	0:0 0:0 0:0 0:0 0:0
Program	programm2
Date	10.05.2011 10.05.2011 10.05.2011 10.05.2011
Start time	06:49:43 06:49:56 06:50:09 06:50:22
Stop time	06:49:45 06:49:58 06:50:11 06:50:24

Compilation of production data via the BRANDT-Browser

Compiled production data can be easily gathered and saved. The BRANDT-Browser allows for job-specific collection of operating hours, an overview of the total processed workpieces and information regarding total meters of processed edges. For companies that have large numbers of different clients, it is especially advantageous to always have an accurate record of contract-related costs.

BRANDT PC 20 machine control unit	
4.2.2	
The PC 20 is a graphics-oriented, touch test input device. Units can be switched on and pre-selected. Various operating scenarios can be stored as programs and opened again later.	
Features	Values
Screen	12.1"
TFT	640 x 480 dots
Memory	2 GB
Compact Flash	4
RS-232 interfaces	2
Module	processor
Control	800 kHz
RAM	300 MB
Operating system	Linux

Context-sensitive help

With the context-sensitive help function, it is possible to directly display detailed information on the operations and functions of the machine. The controller-integrated help functions are accessible with the push of a button from the keyboard and allow for immediate operator support.

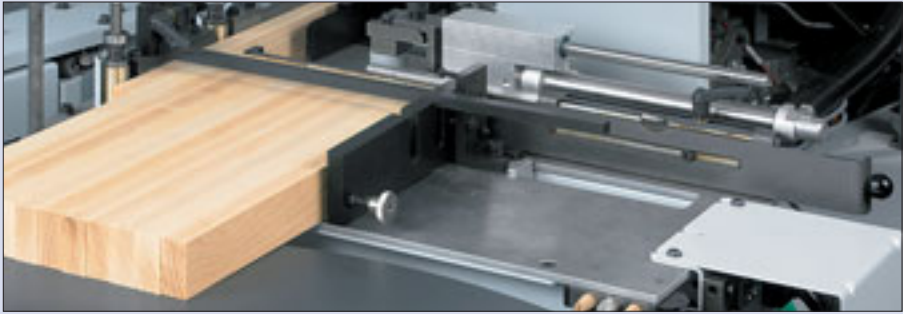


Easy Back-up function of the entire control and all operator programs

Significant competitive advantages – Pace setting performance and quality



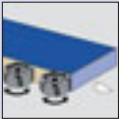
Infeed stop
For minimum workpiece spacing and safe operation.



Extra wide magazine (optional)
Extra wide magazine with high capacity for fixed length strips and optimum access to reload.

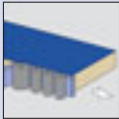


V-belt top pressure (optional)
Top pressure V-belt system optionally available instead of the standard top pressure roller system.

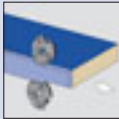


Joint trimming unit
Perfect cut and high operating life due to diamond tipped tools for an optimum edge joint quality..

Standard Gluing Unit
Quickly changeable application unit. Glue reservoir underneath the glue roller. Processing of granulated PU glue is possible.



Pressure zone
Heavy pressure zone (up to 20 mm) to ensure an optimum glue joint quality.



Rough trimming unit
For rough trimming of all common edgebanding materials.



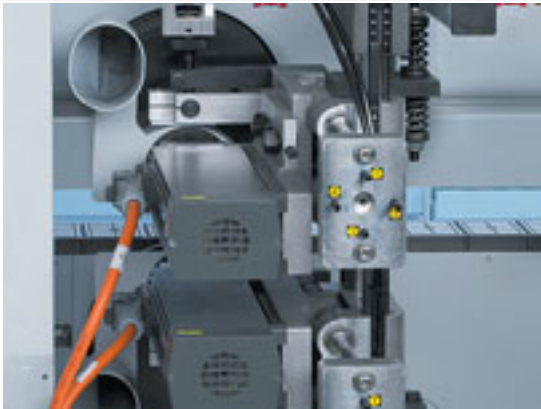
Radiant heater
Strong adhesion through optimal pre heating of the workpiece..



Magazine + pre-melter
Coil and automatic strip magazine with optical monitoring for reliable material supply, high availability and perfect glue quality via the Quickmelt gluing unit.



End trimming unit
Perfect cutting by the end trimming unit using rigid high-precision linear guides and the workpiece gap optimization package to achieve higher output in the same processing time. Soft-touch for optimal end trimming results even at high speeds..



Trimming unit
Trimming unit with DFC (Dust Flow Control) tooling technology for optimal extraction. Optional pneumatic or servo axis adjustment available.

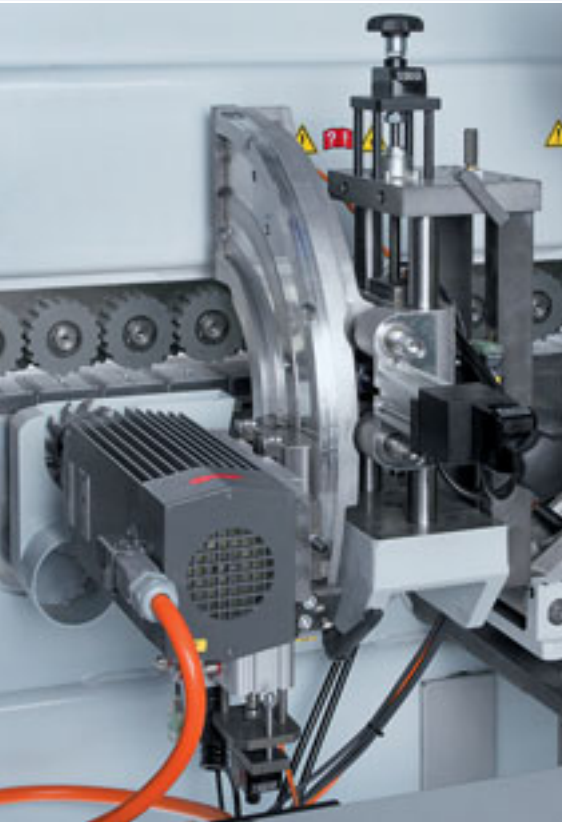


Significant competitive advantages – Pace setting performance and quality



Tiltable grooving unit

For grooving work pieces either from the bottom side or from the edge side. It is possible to do either continuous grooving or non continuous grooving, as well as jump grooving for biscuit joints.



Universal trimming unit

Universal unit with high capacity for grooving and profiling work. Flexible by unlimited setting options.



Spraying unit

Separation and detergent agents for a perfect finish when processing PU-glue.



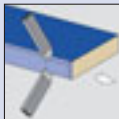
Central lubrication unit

Fully automatic lubrication of the feed track guidance system to guarantee precision and a long-life time of the conveyor chain.



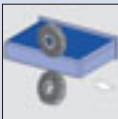
Nesting package (optional)

Includes a multi-roller tracing device for the trimming and scraping units to compensate for hinge holes.



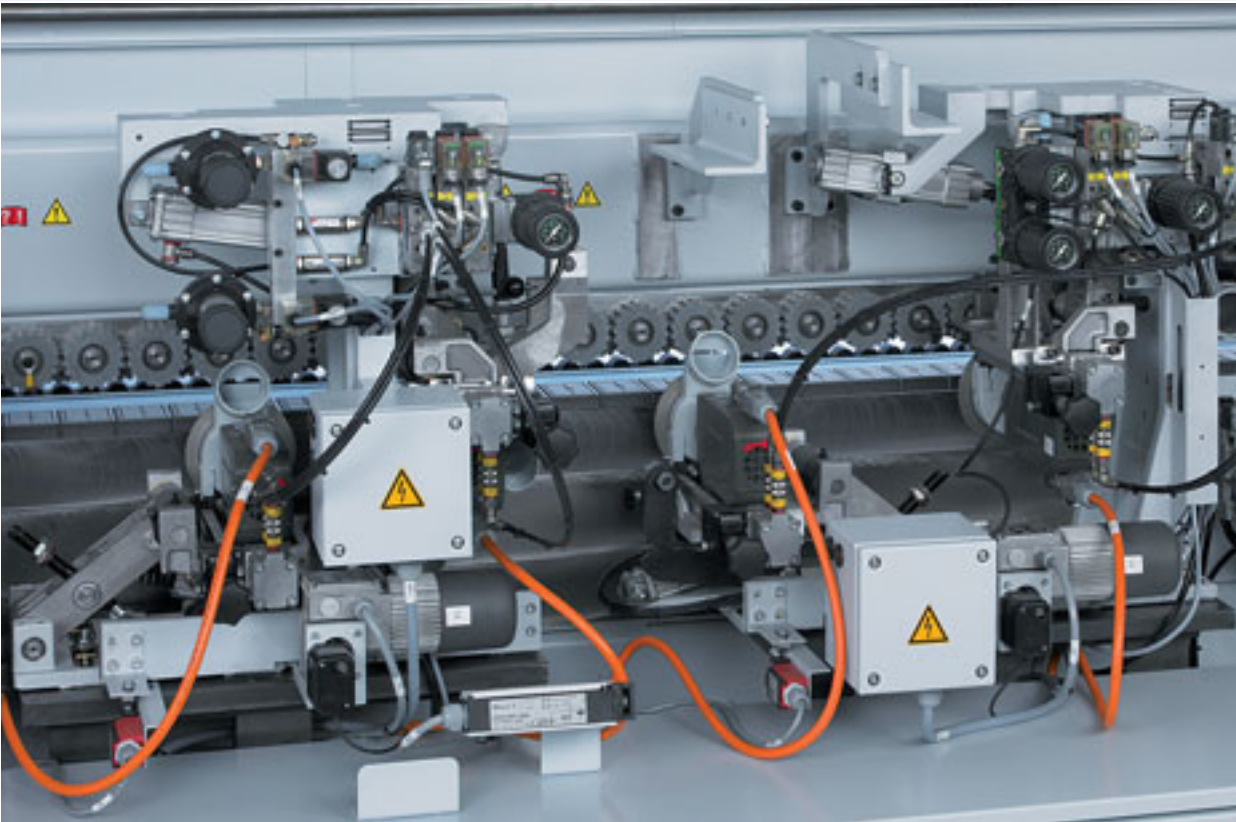
Profile scraping unit

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



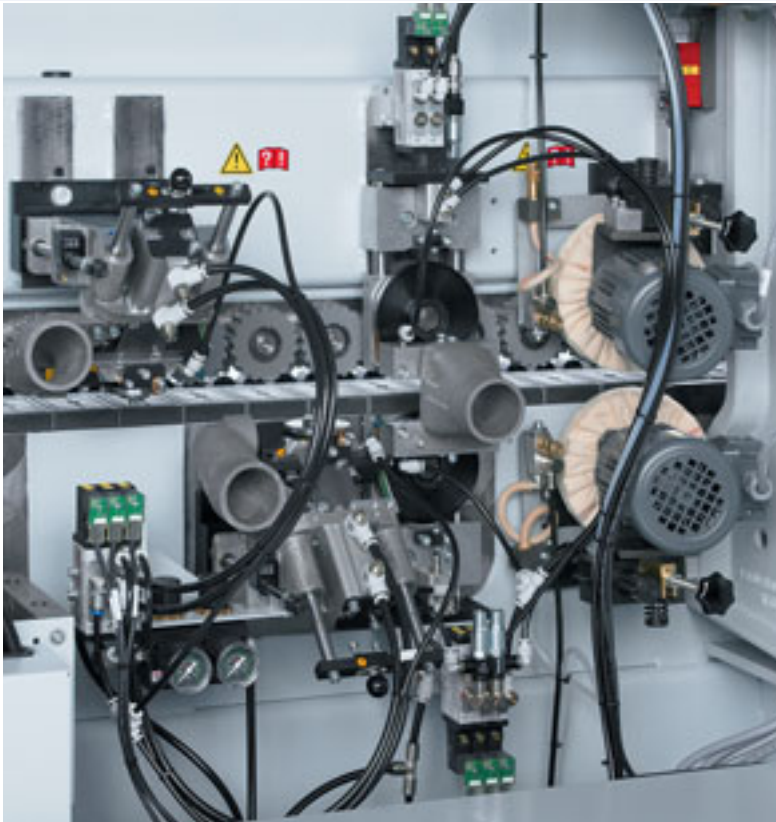
Buffing unit

Buffing unit to polish edges and maintain their natural colour.



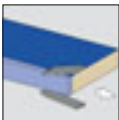
Corner rounding unit (4 motors)

For corner rounding of thick PVC edges, as well as postforming and softforming profiles at feed speeds of up to 20 m/min. Equipped with servo motor adjustment for different edge thicknesses. Workpiece thickness up to 60 mm.



Glue joint scraping unit (optional)

For the perfect finish and for edge scraping up to 0,3mm.

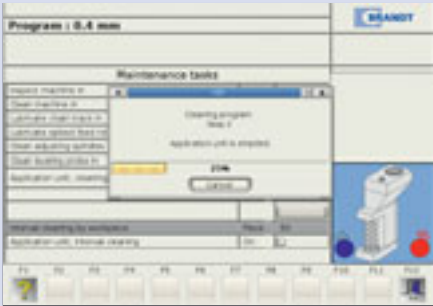


The new gluing generation – glue application as a system

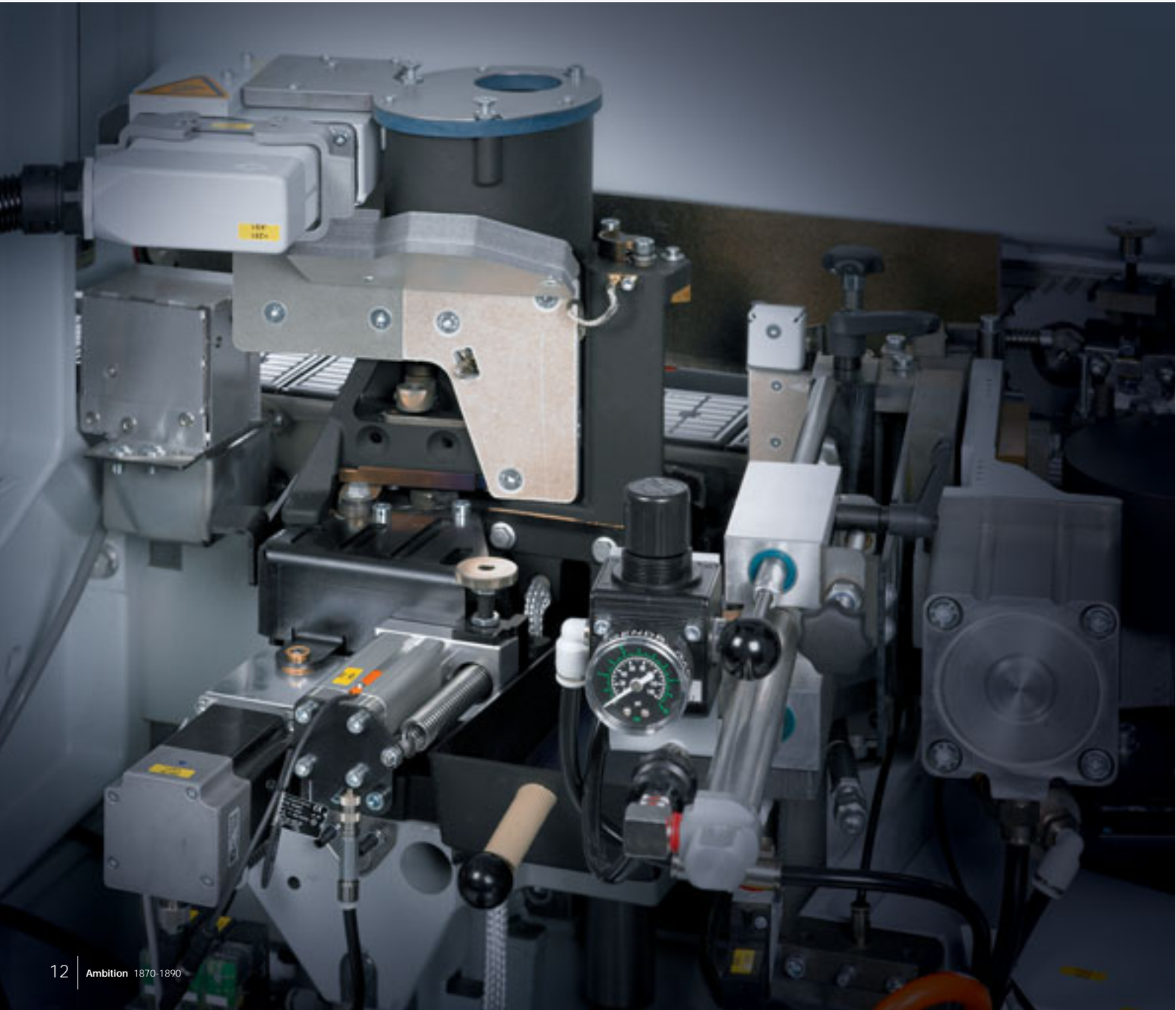
Due to today's variety of products and increasing customers' demands it has become necessary to focus on a future-oriented gluing technique. The new glue application system QA 45 meets all market requirements and offers excellent solutions for a modern interior shop or furniture production companies.

Application unit QA 45 (optional)

- Special coating of the gluing unit for all types of glue, including PUR in order to meet all customers' requirements.
- Easy and fast change over of different types of glue through an automatic draining system, in order to make use of the ideal glue type or colour based on application.
- The automatic cleaning system is activated by the PC 20+ control, in order to minimize the downtime of the machine.
- Glue amount infinitely adjustable by servo motor in order to achieve a perfect result for most different workpiece materials.
- Glue application in both directions, synchronism and antirotation for a perfect adhesion of different edge materials.



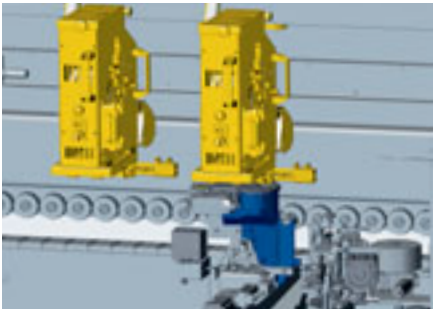
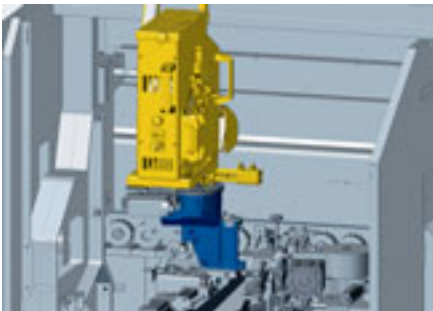
Program controlled metering, quick change of glue and easy maintenance by means of the PC 20+.



The ideal solution for each application

QA 45 – EVA

- EVA pre-melting unit for hot melt glues
- Filling capacity approx. 4 ltrs. granulated hot melt glue

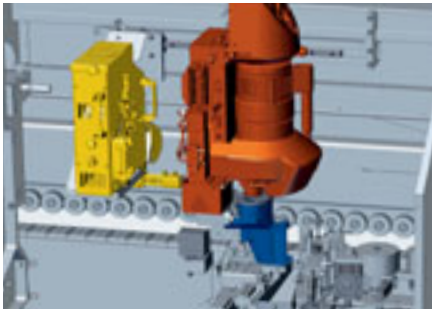
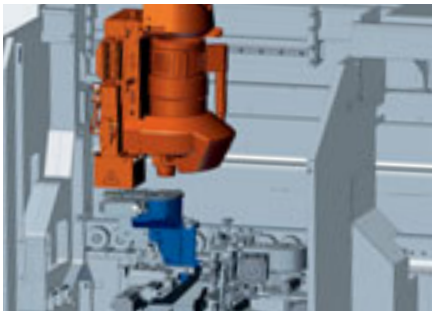


QA 45 – EVA 2

- 2 Quick Melt pre-melting units with traversing device for hot melt glues
- Filling capacity approx. 4 ltrs. granulated hot melt glue per melting unit

QA 45 – PU

- PU pre-melting unit
- Chemcoat antioxidation coating of the glue melting container.
- Container size: 2 kg slugs



QA 45 – PU & EVA

- PU and EVA pre-melting units with traversing device

QA 45 – Manual

- The application unit is filled by hand either with granulated glue, or, with glue slugs
- Flexible application of different hot melt adhesives, like EVA, PU or Polyolefine based glue or different glue colours



Technical data

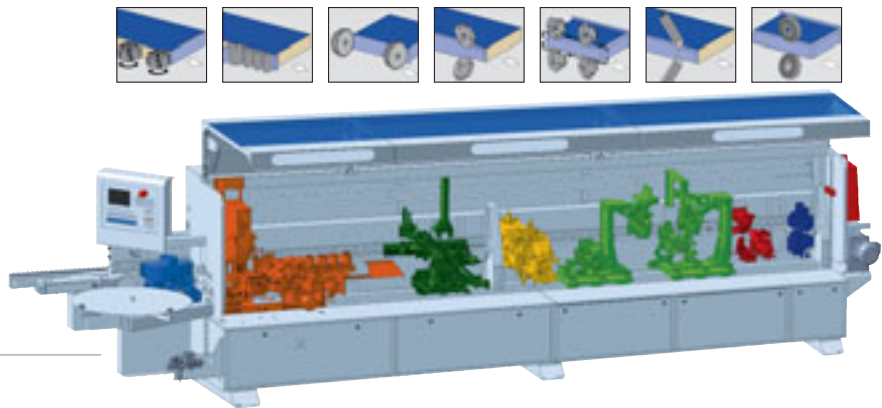


Type of machine	Ambition 1870 FC	Ambition 1880 F2C	Ambition 1880 FGC
Machine dimensions			
Machine length (mm)	6760	7260	7260
Working height (mm)	950		
Machine dimensions WxH (mm)	1555 x 2300		
Working dimensions			
Workpiece thickness (mm)	8 - 60 (optional 80)		
Edge material thickness (mm)	0,4 - 12	0,4 - 15 (optional 20)	0,4 - 12
Miscellaneous			
Feed speed (m/min)	var. 8 - 20		
Weight (kg)	3400	3600	3600
Connected value (kW)	23	25	27
Extraction diameter (mm)	1x120/1x200/1x100	1x120/1x200/1x100	1x120/1x200/1x100
Electrics	400 V - 3 PH - 50 Hz		
Pneumatics (bar)	6		

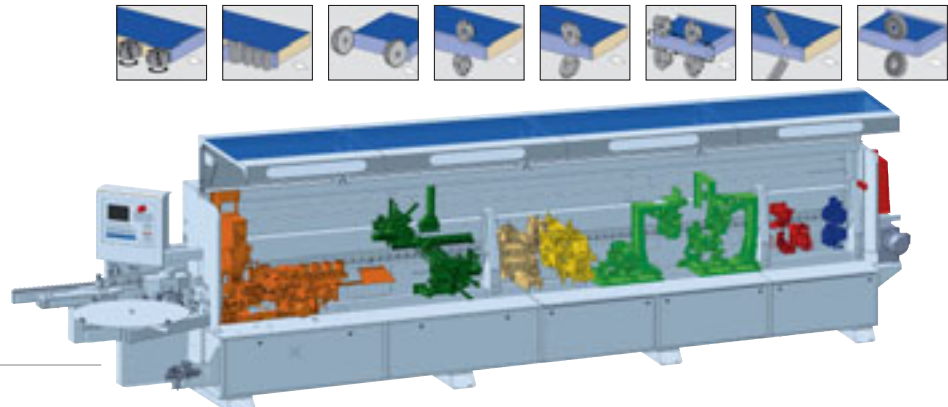
Type of machine	Ambition 1880 FCU	Ambition 1890 F2CU
Machine dimensions		
Machine length (mm)	7260	7760
Working height (mm)	950	
Machine dimensions WxH (mm)	1555 x 2300	
Working dimensions		
Workpiece thickness (mm)	8 - 60 (optional 80)	
Edge material thickness (mm)	0,4 - 12	0,4 - 15 (opt. 20)
Miscellaneous		
Feed speed (m/min)	var. 8 - 20	
Weight (kg)	3600	3800
Connected value (kW)	28	30
Extraction diameter (mm)	1x120/1x200/1x100	1x120/1x200/1x100
Electrics	400 V - 3 Ph. - 50 Hz.	
Pneumatics (bar)	6	

All rights for technical changes withheld. Individual machine pictures may show options.

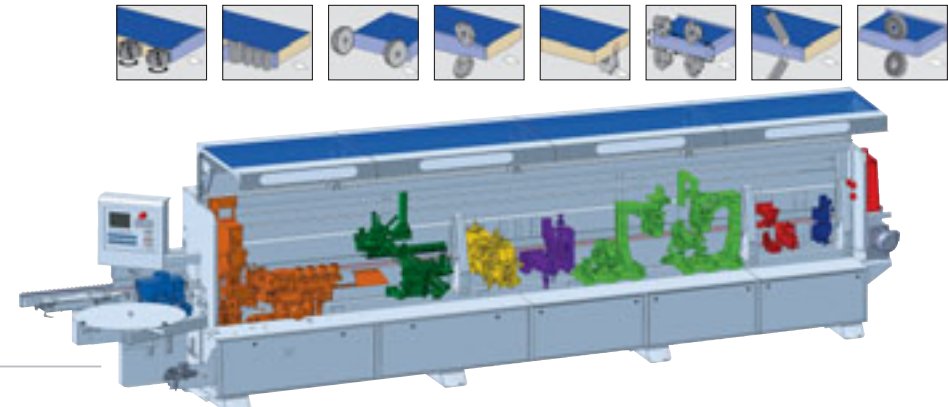
Ambition 1870 FC



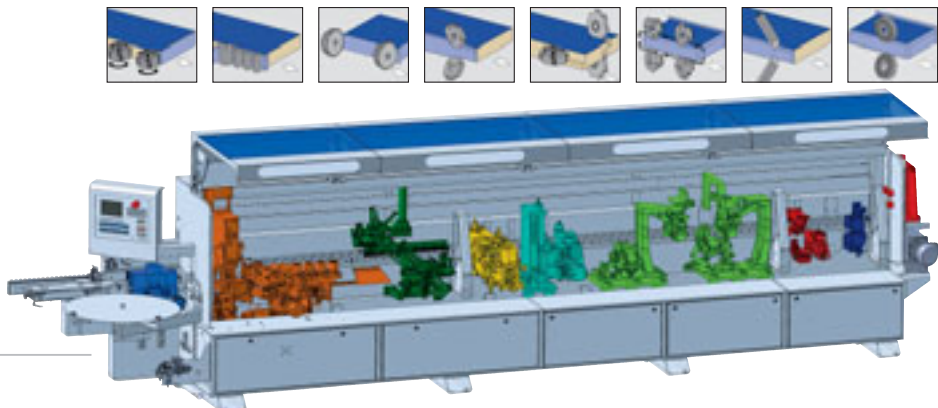
Ambition 1880 F2C



Ambition 1880 FGC



Ambition 1880 FCU



Ambition 1890 F2CU

