

Achieving invisible joint results is highly satisfying

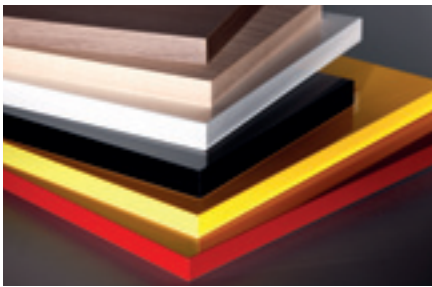


airTec – Edge banding "without joints"

Not only the arctic hare pricks up its ears!

The **airTec** procedure of which **BRANDT** and **HOMAG** use hot air and offer a zero-joint technology with five special models is the perfect option for entry level users such as traditional craft jobs and medium-sized businesses. The result: Perfectly crafted furniture, where joints are no longer visible.

In addition to this you can benefit from an unbeatable price.



airTec – the perfect entry into the zero-joint technology

By means of the **airTec** procedure the edge and the workpiece are joined together using hot air. Special edge materials are used. They consist of a „hard“ decor layer and a meltable functional layer. The functional layer is melted by the **airTec** activation unit and the edge is pressed onto the workpiece.

First-class edge quality at favorable resource balance

The use of resources is surprisingly low with the **airTec** procedure. Thus the energy and air consumption is, depending on the workpiece and edge, up to 20–40 % lower per workpiece compared to the hot air systems available on the market.



airTec and Ambition – the ideal combination

The **airTec** activation unit is a fixed unit of the following machines

- BRANDT Ambition 1440 **airTec**
- BRANDT Ambition 1650 **airTec**
- BRANDT Ambition 1860 **airTec**
- HOMAG Ambition 2272 **airTec**
- HOMAG Ambition 2274 **airTec**



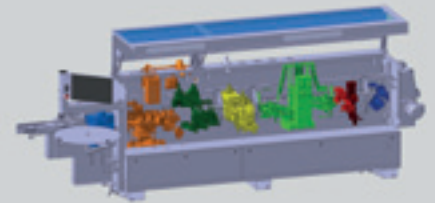
Control with powerTouch – easy, equal, ergonomic, evolutionary

Using the widescreen format multitouch monitor, you control machine functions by direct touch contact.

- The intuitive operation of **powerTouch** increases the speed and reliability of inputs
- The ergonomically optimized design and an array of new help and assistant functions substantially simplify operation
- Standardized operating elements, software modules and standardized design characterize the **powerTouch** control system for HOMAG Group machines
- The **airTec** models of BRANDT and HOMAG allow the decision for **powerTouch** as an option



BRANDT Ambition 1440 airTec



BRANDT Ambition 1440 airTec

The Ambition 1440 airTec is the entry level machine into the zero-joint technology and offers you long-term competitive advantages and a variety of innovations. Besides the airTec activation unit for the perfect zero-joint, the basic version also features a joint trimming unit, an exact gluing unit, an end trimming unit, a trimming unit and a 2-motor corner rounding unit. For the finish are available a radius scraper, a glue joint scraper as well as a buffing unit.

End-trimming unit

Precise end-cut through a strong end-trimming unit, equipped with THK guides. Chamfer / straight adjustment by easily tilting the unit. Pneumatic adjustment optional.



Ambition 1440 airTec – Your benefit

- High degree of automation
- Flexibility – can be optimized accordingly to customer's requirements
- Compact dimensions no compromise in performance
- Low energy costs with **ecoPlus**

Ambition 1440 airTec – Technical data

Overall length [mm]	5 573
Working height [mm]	950
Machine width and height open [mm]	1 575 x 2 183
Workpiece thickness [mm]	8–60
Edge thickness [mm]	0.4–8
Feed speed [m/min]	11 (opt. var. 8–14)



BRANDT Ambition 1650 airTec



BRANDT Ambition 1650 airTec

The Ambition 1650 airTec is the right machine for customers with high requirements. Whether for production of the perfect zero-joint or for other edge processings, the machine always provides the perfect solution.

The Ambition 1650 airTec is equipped with a joint trimming unit, a Quickmelt gluing unit, an airTec activation unit, end trimming unit, a trimming unit and a 2-motor corner rounding unit. The perfect finish is obtained by a radius scraper, a glue joint scraper as well as a buffing unit.

Joint trimming unit

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



Multistage trimming unit MS40/45 (optional)

Fully automatic adjustment between three different profiles by means of servo motors.

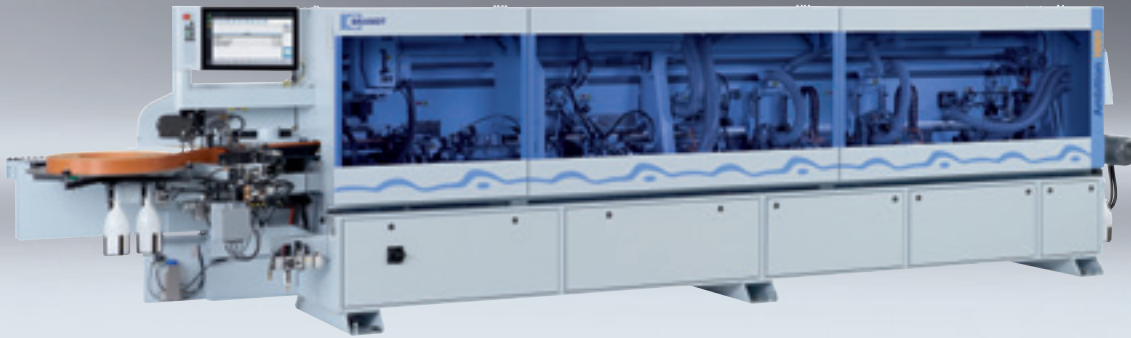


Ambition 1650 airTec – Your benefit

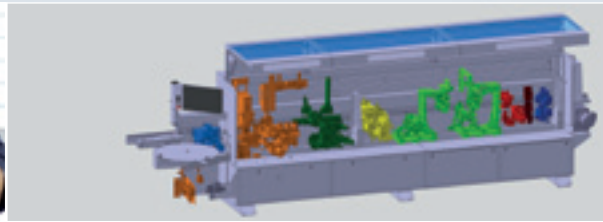
- Fully automated
- Unlimited force thanks to high-power motors
- High flexibility through alternate use of EVA and PU
- Multistage technology for perfect use in case of changing materials

Ambition 1650 airTec – Technical data

Overall length [mm]	6 060
Working height [mm]	950
Machine width and height open [mm]	1 555 x 2 300
Workpiece thickness [mm]	8–60 (opt. 80)
Edge thickness [mm]	0,4–12
Feed speed [m/min] in connection with airTec	var. 8–18 (opt. var. 8–20) max. 15



BRANDT Ambition 1860 airTec

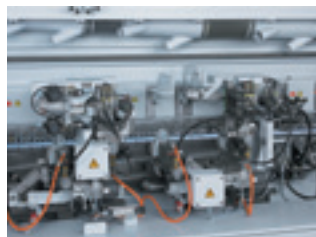


BRANDT Ambition 1860 airTec

The Ambition 1860 airTec is a high-end product at BRANDT. The core of the machine consists of a Quickmelt gluing unit which serves as double solution besides the airTec activation unit and consequently guarantees high flexibility for you. The basic version is equipped with a joint trimming unit, a Quickmelt gluing unit, a 2-motor end-trimming unit, a trimmer and a 4-motor profile trimming unit. For the finish a radius scraper, a glue joint scraper as well as a buffing unit are used.

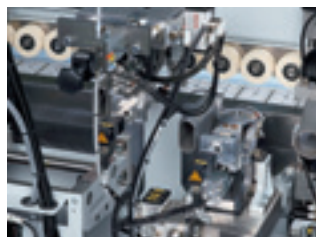
Profile trimming unit FF12

For corner rounding of thick PVC-edges as well as head edges on postforming and softforming parts up to a feed speed of 20 m/min.



Multistage scraping unit MZ40 (optional)

Fully automatic adjustment between two different profiles by means of servo motors.

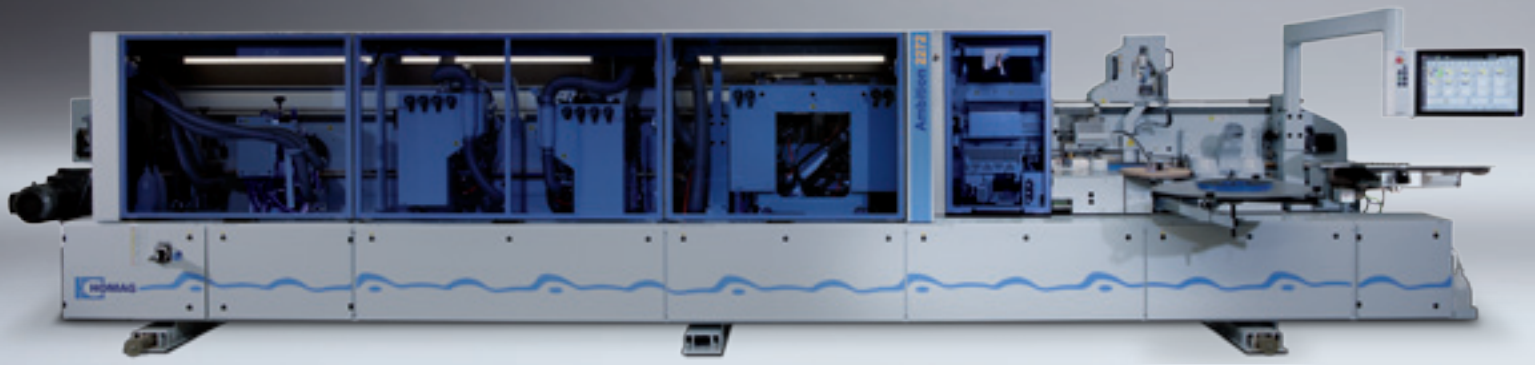


Ambition 1860 airTec – Your benefit

- Industrial features for high performances
- V-belt top pressure as standard
- Softtouch function for an ideal trimming result, also at high feed rates
- Optimization of the gap between workpieces for a higher output volume in the same processing time

Ambition 1860 airTec – Technical data

Overall length [mm]	6 260
Working height [mm]	950
Machine width and height open [mm]	1 555 x 2 300
Workpiece thickness [mm]	8–60 (opt. 80)
Edge thickness [mm]	0.4–12
Feed speed [m/min]	var. 8–20



HOMAG Ambition 2272 airTec

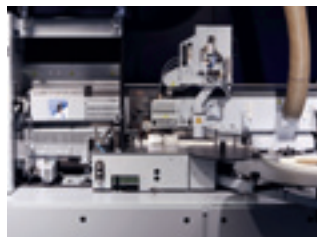


HOMAG Ambition 2272 airTec and Ambition 2274 airTec

With the models Ambition 2272 airTec and Ambition 2274 airTec you can apply edges without visible joints, execute precise snapping cuts and finish processings as well as rounding of the front sides. The use of EVA or PU is possible – even for solid strips of up to 20 mm. Your advantage: You do not only save money when purchasing due to attractive prices but also in terms of set-up times and energy consumption. Furthermore, the Ambition 2272 airTec offers you additional automation and the Ambition 2274 more flexibility.

airTec activation unit plus hot-melt gluing unit

For alternate use of coextruded edges, precoated edges or standard edges.



Profile scraper PN21 flexBlade

For smoothing of trimmed edges with automatic change between two profiles, e.g. R2 and R3.

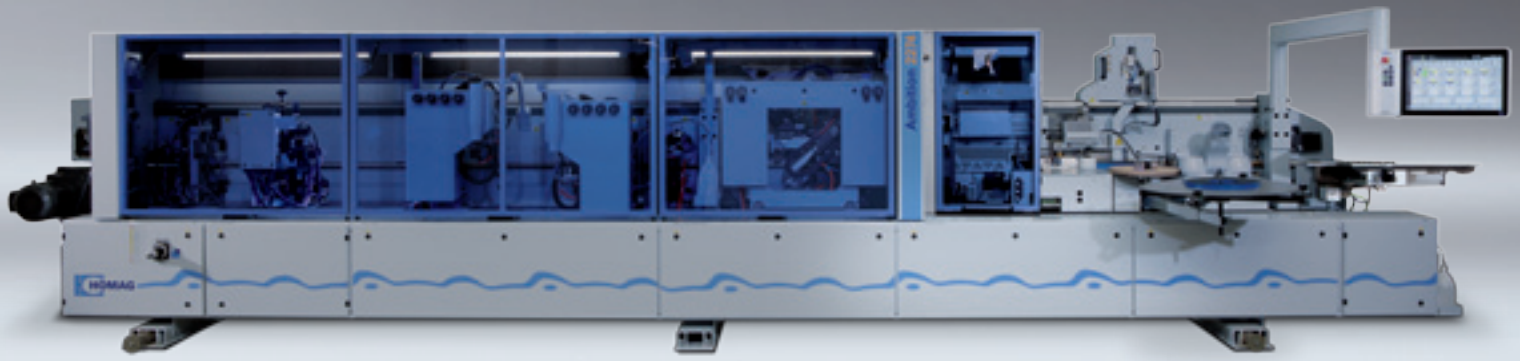


Ambition 2272 airTec / 2274 airTec – Your benefit

- Zero-joint technology at an excellent price
- Automation package inclusively – precise adjustment, fast set-up and higher productivity
- More output through high availability
- Perfect processing quality through exact workpiece guidance with composite belts at the top pressure
- Low energy costs with **ecoPlus**

Ambition 2272 airTec / 2274 airTec – Technical data

Overall length [mm]	8 635
Working height [mm]	950
Machine width and height open [mm]	1 540 x 2 250
Workpiece thickness [mm]	8-60
Edge thickness [mm]	0.4–20
Feed speed [m/min]	var. 18-25



HOMAG Ambition 2274 airTec



Additional advantages with the Ambition 2272 airTec

- Automatic profile change at the profile trimming unit FK13 and at the profile scraper PN21 flexBlade via the multitouch monitor within a few seconds
- Remarkably lower set-up times and costs
- All processing units and tools are included for two profiles

Additional advantages with the Ambition 2274 airTec

- Simple profile change within half a minute through manual change via the quick clamping system at the profile trimming unit FK11 and fully automated change at the profile scraper PN21 flexBlade
- An additional space for the installation of a grooving unit
- Higher flexibility when processing your special requirements

Profile trimming unit FK11

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



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.

Die HOMAG airTec-models at a glance	Ambition 2272	Ambition 2274
Separating agent spraying unit	✓	✓
Jointing trimming	✓	✓
airTec activation unit and hot-melt gluing unit A20	✓	✓
Snipping unit HL84	✓	✓
Pretrimming unit	✓	✓
Profile trimming unit	FK13	FK11
Free space	-	✓
Profile scraper PN21 flexBlade	✓	✓
Finish processing	✓	✓
Automation package	✓	✓



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