

## BRANDT at LIGNA 2015

### Setting new standards with perfect edges

**Whether your needs are entry-level, medium-sized or demanding batch size one production – BRANDT will exhibit eight promising machines at the LIGNA, which give you an insight into today's edgebanding process.**

#### Edgebanding with multi-stage technology

The three BRANDT edition models come on standard with the multi-stage technology. All machines are equipped with a multi-stage trimming unit and scraper. For the multi-stage trimming unit the customer can choose between four different profiles: 2 radii, one chamfer and a flush trimmer. Three different profiles are available for the multi-stage scraper: 2 radii and one chamfer. The removal during flush trimming is done by the radius scraper. All adjustments are achieved by pushing the button due to the NC axis of the units. The range of edges and panel material grows, and the demands on the flexibility of the machines too.

With the edition models, BRANDT meets the requirements.

Whether PVC or melamine edges, solid wood, veneer or high gloss – the three edition machines can do it all! At the LIGNA, BRANDT will exhibit the new **KDF 650 edition**. An air-table is attached at the machine infeed which simplifies the feed from large and heavy parts. For the perfect zero joint the **airTec** unit is being used – combined with alternating glue application system QA 45 for edgebanding with hot melt glue or PUR.

The customer can choose between the reactivation of the **airTec** unit through hot air or through the adhesive application (PUR or EVA) via a glue roll. No set-up times are required.

The multifunctional contour trimming unit ensures the corner processing of the workpieces. Thanks to the servo motors it is optimally suited for the processing of high gloss surfaces or lightweight panels.

The finishing area – consisting of the multi-stage scraper, a radius scraper and a

buffing unit – guarantees an optimum result.

The **KDF 440 edition** is a fully automated machine including multi-stage technology at the trimmer and scraper, which is the right machine for customers that require different radii on the workpiece and therefore, flexibility.

Two different radii or flush trimmers are the options at the multi-stage trimming unit; two different radii are also available at the multi-stage scraper. All adjustments are achieved by pushing the button due to the NC axis of the units. The KDF 440 is equipped with the **powerTouch** operation unit, which also applies for all machines from the 1400 series onwards. The **powerTouch** operating concept combines design with function to create a totally new type of control generation that feels like the tablets and smart phones we use every day. The system centres on a large 21,5“ multitouch monitor which allows operation of the machine functions by direct touch. New on-screen helps and assistant functions significantly simplify working – while standardised operating elements and software modules ensure an uniform operating experience at any of the HOMAG Group machines.

### **airTec – Zero joint for crafts**

The **profiLine** machines can be flexibly equipped. With the **KDF 1670 profiLine**, BRANDT has set up a top range model for the LIGNA: complete automation in combination with a high-level of quality. All units are equipped with pneumatics or servo motors. Therefore the machine is operated by direct touch through to the **powerTouch** control panel.

- Highly flexible edgebanding: You can choose between the standard adhesive application with the glue roll or the hot air method with the **airTec** unit for the perfect zero joint. The complete adjustment to all demands of the fully automated KDF 1670 **profiLine** proceeds from the post-processings to the finish. How is this achieved?
- Multi-stage trimming: The customer can choose between 2 different radii or flush trimming.

- Servo-trim contour trimming unit: Perfect for the processing of high-gloss surfaces or lightweight panels.
- Finishing area: Starting with a combination of multi-stage- and standard scraper. The multi-stage scraper is equipped with two different radii. The standard scraper is equipped with a special tracing for the processing of structured melamine-resin surface.

All units include nesting capability and are suited for the processing of parts, e.g. boring holes for adjustable concealed hinges.

### **Flexible use, whether PUR- or EVA-glue**

For craftsman with industrial orientation the **KDF 860 edition** is the right solution. Whether multistage-technology for the trimming unit or scraping unit, servo motors for the contour trimming or the full automation of all units: the machine is the right solution for demanding customers.

In the furniture production the use of PUR-glue is a big topic to ensure reliability against water and heat. With the KDF 860 edition the processing of perfect edges for kitchen, bathrooms or labs is an easiness. To enable a quick changeover between different glue colors or PUR- and EVA-glue a pre-heating station stands by. This can be equipped with up to three gluing units. A pressure-tank allows a storage of a with PUR-glue charged application unit for several days. In this way a flexible us of this demanding glue is easy to use.

### **Entry level in the edge processing, the basic for success.**

The **Optimat KTD 720** is a machine of an utmost flexible concept, being suitable for both, the batch production of shaped components and straight panels. The Optimat KTD 720 is a reliable and proven model within the BRANDT range of machines, and has shown its value for many years.

One of the most successfull entry-level machines in the throughfeed area – the **Ambition 1120 FC** – will be also exhibited at the LIGNA.

An optimum edge preparation is guaranteed by a joint trimming unit; the perfect

cut is guaranteed by means of a two motor snipping unit.

The trimming unit is easy to use and allows a quick changeover to chamfer, straight and radius trimming.

The highly flexible finishing area comes with two free spaces that can be individually equipped. At LIGNA, the open spaces are fitted with a profile trimming unit with quick-change heads and with a glue joint scraping unit.

Available now: The profile trimming unit with quick-change heads comes as a standard function for the Ambition 1120 FC. Additionally, the machine comes with a profile trimming unit. The Ambition 1120 FC ensures complete processing of the workpieces, including corner processing for entry level, and offers an excellent price-performance ratio.

### **Touching required – the easyTouch control system**

The appeal of BRANDT's new easy**Touch** control system lies in its intuitive operation and user oriented menu structure. It features a clearly arranged 7" graphic display with simple touch screen operation. These days, the ever increasing diversity of edge materials requires a highly flexible machine with rapid edge changing capabilities. The easy**Touch**'s 20 storable programmes make it possible to adapt the range of operations to meet customers' unique requirements.

All medium-sized machines in the Ambition 1200 series are now equipped with the new easy**Touch** control system. The new easy**Touch** controller has supporting functions that are simple and easy to access. The logging of production data, the selection of programmes or the glue temperature can be quickly checked on the 7" display.

The easy**Touch**-control will be exhibited at the **Highflex 1220 and 1230**. Both machines offer considerable simplifications, such as saving of time and a very good price/efficiency ratio as well as complete panel processing. Pneumatic adjustments of the pressure zone, end trimming unit, trimming unit and scraping unit contribute that. With the machines of the Highflex series the complete processing of the workpieces is possible.

**Pictures (origin): BRANDT Kantentechnik GmbH**



**Picture 1:** BRANDT airTec. The zero joint technology for highest demands



**Picture 2:** The new easyTouch – control. Operation of the machine by one touch, also for beginners.



**Picture 3:** BRANDT - Gluing unit QA 45 with short heat up time and rapid glue type changeover.



**Picture 4:** BRANDT – Preheating station for quick and easy filling, cleaning and pre-heating of the glue pot. Ideal for PUR-processing

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