

Our BESSEY tools in use

A "gripping" wardrobe



Simply better.

A wardrobe with atypical shaping

- The tension belt that runs in a cube should give the impression that it constricts the body so much that the side walls bend inwards and the doors bend outwards. Due to this obvious amount of high pressure, the doors were prepared so as to give the impression that they are bursting through the top level. This „bursting“ cracked edge also serves as a handle.
- To manufacture the elements that bend over two axes (doors) and one axis (base, top and side parts), a special appliance was built and circular saws and routers were fixed into this.
- For stability and to adjust the wood movement, the dynamic curves of the doors were joined horizontally. For vertical stability, a board is glued in after the curved inside is machined.
- The curved surfaces of the doors and sides originate from solid wood parts that are processed with saws, chisels, moulding cutters and sanders. The doors and the side parts must be comprised of two parts in order to mould the corresponding curve.
- The band that runs around the side parts was integrated in the middle as a strip and protrudes so far from the surface that the profile of the thin tension belt is striking. The two vertical strips are engraved with ornaments (tension belt fastener). The side parts are only curved on the outside and accommodate the integrated lower shelves and drawers in their straight inside.



Which BESSEY products were used and what characterises them:

- **STC-HH toggle clamps** enabled quick fixing of the home-made pendulum device, as well as for the modified toothed cutter.
- The **BAN 700 band clamps** are particularly suitable for gluing the curved drawers, as well as the concave body where the wooden tension belt alone is not sufficient
- **Vario K Body REVO KRV** were used as additional gluing aids for the curved drawers to ensure angularity
- Standard clamps to glue the solid wood boards



These BESSEY products were used:



Band clamp BAN 700

- Even pressure on mitre joints
- Crank handle can be relocated for right and left-handed users
- Contains: 1 band clamp, 4 Vario corners



Vario K Body REVO KRV

- Clamping force up to 7,000 N
- Steplessly adjustable and fixable upper section for improved workpiece positioning
- Very large parallel clamping surfaces
- With 3 pressure caps to protect delicate surfaces
- Can be converted to spreading function with no need for tools
- High-quality 2-component plastic handle



Horizontal toggle clamp with open arm and horizontal base plate STC-HH

- In the clamped position, lever is horizontal
- Automatic and infinitely variable adjustment of the clamping height 0 - 40 mm (1 1/16 In.) while clamping force remains unchanged – without having to make manual changes to the position of the pressure screws
- Clamping force is variable up to 2,500 N (550 lbs) depending on the adjustment of the set screw in the cantilevered joint
- Sturdy, tempered metal sheets for a long service life
- Hole pattern on the base plate designed to facilitate fast and secure clamping set-up for metric and imperial
- High-quality two-component plastic handle

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