

Target market:

Processors of technical textiles and composites such as component suppliers for the automotive, aircraft industry and similar industries.

Fabrics and materials:

Woven and non-woven technical textiles, composites, sheet materials, rubber, flooring and a wide range of synthetic materials.

Outstanding advantages:

The PREMIUMCUT cuts the components straight from the roll in whatever quantity is required when cut. The material might be heavy or wide; shapes to be cut might be awkward, delicate or large: The PREMIUMCUT handles them all! A high percentage of the materials can be cut without using foil.

The PREMIUMCUT is a high performance cutter that includes all the benefits for which topcut-bullmer is well known: Excellent engineering, reliability and highest flexibility coupled with low maintenance cost.



Cutting tools

The PREMIUMCUT comes in the standard version with a tool-board equipped with one selectable driven cutting tool and a pen. Depending upon the type of tool-board

up to four cutting tools and a pen can be controlled in an alternating operation. Special tool-combinations upon request.



From left to right: High strike tool (pneumatic), high vibration tool (electric), rotary blade (electric), tangential rotary blade (45mm), tangential rotary blade insert (28mm), drag knife (insert), punch tool (insert), grinding tool, ultra sonic tangential drag knife, milling spindle (3-axis), inkjet-printer (without picture)

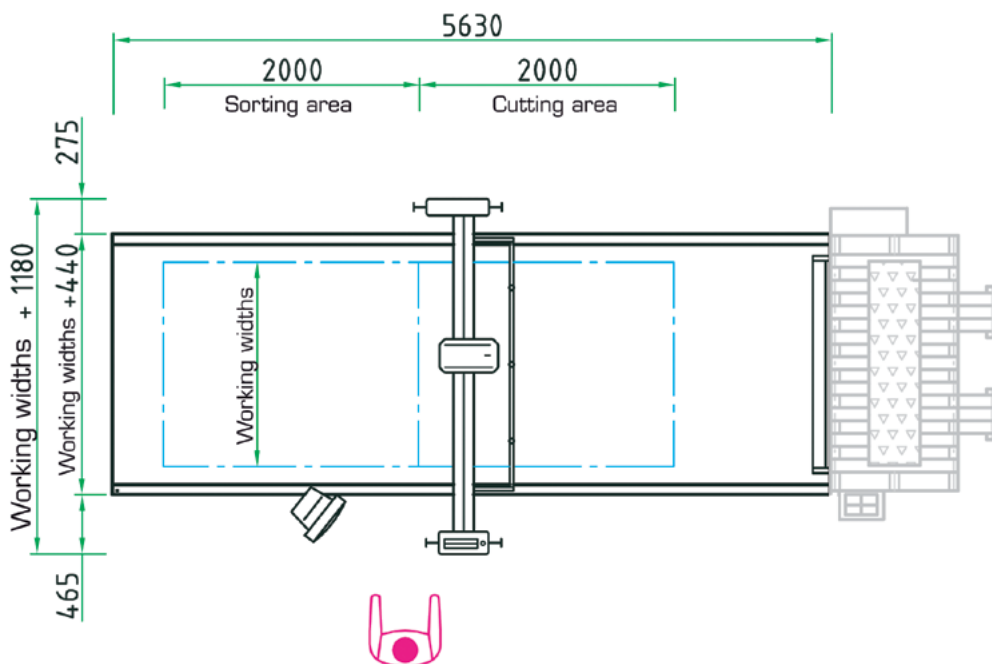
Standard version

- Linear modules and belt drive for x- and Y-axis
- Needle felt “endless” conveyor belt
- Conveyor bite-feed system. Belt is fixed by clamps and guidance to ensure exact aligned feed. Additional guide pulleys stabilize the belt movement.
- Tool adjustment through spindle with nonius (reading scale)
- Integrated sorting zone
- Integrated exhaust-air silencer
- Vacuum pump with 7,5 kW
- Industrial PC with current performance level and TFT flat screen
- Software with various features

Options

- Special conveyor belt to operate ultra sonic knife
- Twin vacuum pump with 15 kW (2 x 7,5 kW)
- Pen for marking seams and text
- Spray tool for marking seams and text
- Inkjet printer for piece annotations (pre or post cutting)
- Projector (laser) for "cut part identification system"
- Monitor (TFT) for "cut part identification system"
- Foil unwinding device
- Conveyor cleaning device
- Various software options

Machine footprint



Technical data

Working width	1600, 1800, 2000, 2200 mm 2700, 3200, 4200, 5000 mm
Max. position speed	1,7 m/s
Max. acceleration	10 m/s ²
Position accuracy	0,1 mm
Max. cutting height (depends on mat.)	max. 10 mm (single or multi-layer)
Connection values:	
Compressed air	min. 6bar
Vacuum pump	7,5 kW
Power supply	230/400 V, 50 Hz, ca. 12 kW (incl. vacuum pump)

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