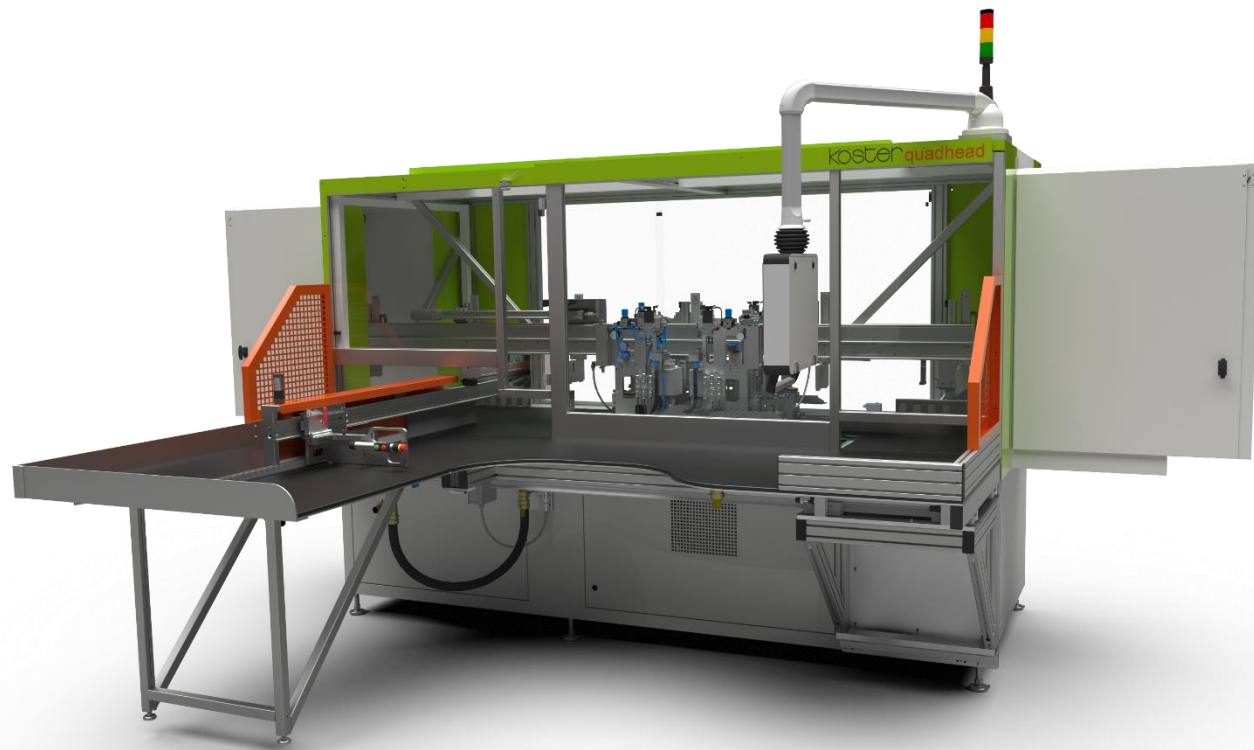


B18

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The Task

- Fully automated, simultaneous 4-corner counting for small to medium format sizes.
- Automated format adjustment.
- Option for manual reworking of product layers, if necessary, via eject and insert stations before and after the counting process.

The Solution

- Our Köster HPC B18 quad-head counting machine.
- For use in existing and new production lines.

The Formats

- Min. 120 x 200 mm
- Max. 500 x 500 mm
- Layer height min. 10 mm
- Layer height max. 90 mm

The Flexibility

- All types of substrates used in the global security printing industry can be processed with the highest speed and accuracy.

B22

Machine Features

B18

The Substrates

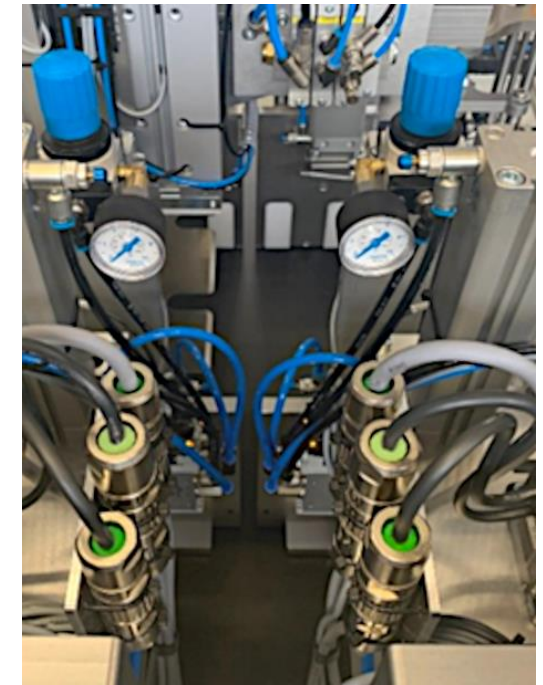
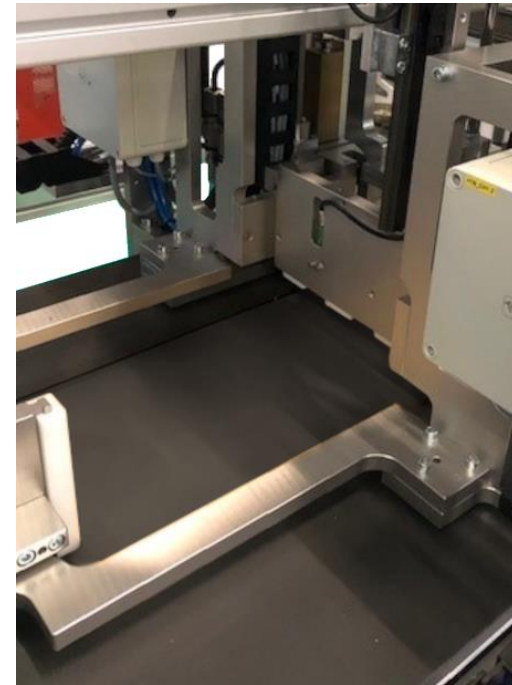
- Cotton based products
- Coated products
- Hybrid products
- Laminated products
- And much more

The Machine Design

- Generous, space-saving access via sliding doors.
- The front air table is designed as a sliding table.
- All components used are high-quality products from global manufacturers.
- The non-sophisticated machine design ensures easy maintenance and low maintenance costs as well as maximum machine availability.
- The high performance and availability of the machine result from its robust and precise construction.
- The main axes are servo-driven with absolute encoders.
 - No references need to be approached.
 - No loss of position in the event of a power failure.
 - Precise positioning of product layers.
- One-piece, powder-coated steel base cabinet including floor and control cabinet.
 - Offers inherent stability, easy transport and simple installation.
- Counting devices mounted on a cross table.
 - Ensures precise movement geometry.

Machine Features

B18



Machine Features

B18

The Precision

- Concentricity and axial runout of the counting disc <0.025 mm.
- Smooth running and reliable counting at any speed.And much more

The Drive

- Fast - up to 120 sheets per second
- Powerful - torque at any speed

The Technology

- Unique counting discs that combine accuracy, speed and dimensional tolerances of the product to be counted with damage-free counting.
- Counting takes place directly on the machine's airflow table.

The Equipment

- Selection of counting processes:
Results are compared with the preset value, if there is a mismatch, the product can be ejected.
- Format adjustment:
In addition to the format values transmitted via the interface from the higher-level control system, individual offset values can be parameterized.
- Parameterization:
All production-related values can be adjusted or changed via the user interface.

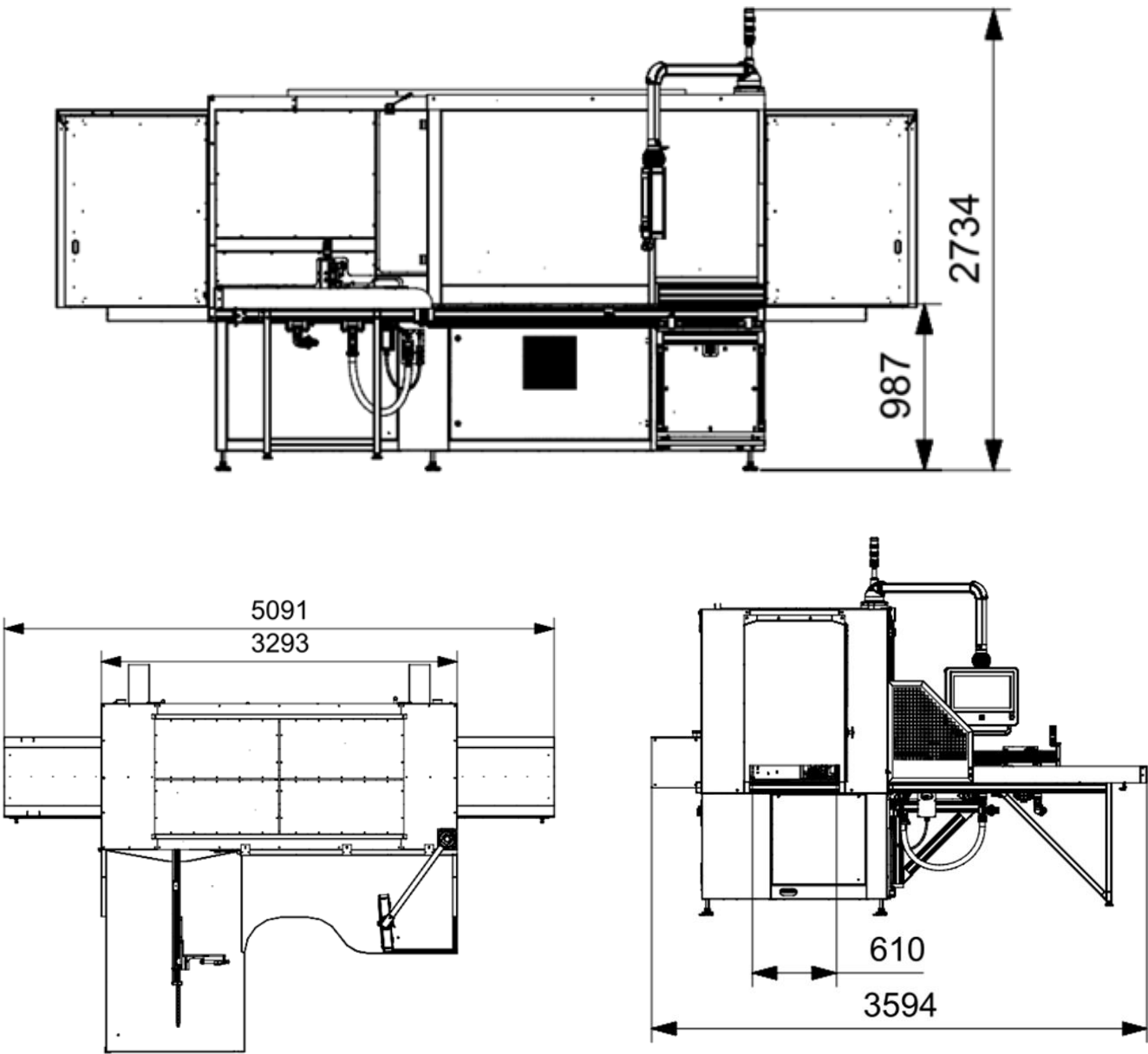
Technical Specifications

B18

Dimensions	L	W	H
Total (mm):	5091	3594	2734
Installation dimension between conveyor belts (mm):	3293	610	
Working height (mm):	920 – 1000		
Machine weight (kg):	1800		
Timings			
Cycle time (sec.):	30		
Supply			
Electric:	3/N/PE 400V±10% AC~50 Hz. /16A / 5,2KW		
Pneumatic:	1890 NI/h at 120 layers/h		
Layer height			
Min. (mm):	10		
Max. (mm):	90		
Format	L	B	
Min. format size (mm):	120	200	
Max. format size (mm):	500	500	

Machine Layout

B18



Technical Specifications

B18

Counting

Counting technology:	Disc					
Counting direction:	From top to bottom					
Qualities:	35 – 150 GSM					
Speed:	Max. RPM.	Type	Segments	Sheets/Min.	Sheets/Sec.	Position
Rated speed:	1200	C	6	7200	120	corner

Depending on the rigidity and quality of the products, these values may vary during processing.

Processable products

Security printing:	Banknote and document paper, coated or uncoated, polymers, hybrids, and much more.
Commercial printing:	Commercial paper, coated or uncoated, laminated, plastics, polymers, cardboard, cardboard packaging, and much more.

PLC control

Manufacturer:	Siemens
Touchscreen:	Colour, multilingual, main HMI with pictograms
Interfaces:	By arrangement

Operating noise

Max. dB(A) at 1200 RPM:	78,5
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Environmental conditions	Min.	Max.
Recommended temperature range (+°C):	15	45
Recommended relative humidity (%):	35	45

Certification	By agreement, in accordance with applicable European standards.
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Since 1991

Discs



Made in Germany –
Made for the world



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