

B12

köster



The Task

- The market needs a reliable, mobile and ergonomic counting machine to check the quantity of small print formats such as banknotes.
- Operators need space on the counting table to store the individual product bundles before and after counting.

The Solution

- Our new Köster HPC B12, a machine with an ergonomic counting head position at a 45° angle.
- An easily height-adjustable machine table for standing and seated operation of the machine.
- The mobile construction on castors ensures that the machine can be easily relocated within production.
- The largest counting disc range available on the market allows the processing of products from 35 to 500 GSM.

B12

The Machine

- Ergonomic 45° counting head configuration.
 - Counting head in the centre.
 - Avoids operator fatigue.
 - Avoids one-sided body strain.
- Counting at the corner.
- HPL (high pressure laminate) machine table.
- Heavy Duty Design for 24 h operation.

The Formats

- Bundled or loose products.
 - From 50 x 100mm.
 - To 400 x 600mm.

The Substrates

- Coated products
- Hybrid products
- Laminated products
- Polymers
- Cardboards
- Cartons
- And much more

The Operation

- Counting direction from top to bottom
- Precise and fast product handling
- User friendly HMI
- Speed control

The Counting Head

- Köster air suspension instead of the conventional mechanical weight compensation.
- Quick and easy adjustment of the weight of the counting head, the vacuum power and the pressing force of the press plates via independent pressure regulators.

The Products

- Labels
- Packaging
- Kraft papers
- High security products
- Tax and post stamps
- And much more

The Technology

- The disc technology, the gentle disc design and the counting head with the Köster air suspension enable the counting of critical areas such as:
 - Security thread
 - Applications
 - Codes
 - Intaglio printing
 - And much more

The Machine Design

- All installed components are high-quality products from global manufacturers.
- The machine design ensures easy maintenance and low upkeep costs as well as maximum machine availability.
- Machine's high performance and availability results from the robust and precise construction out of steel and aluminium.

The Options

- Tab inserter.
- Integrated compressor.
- Customised counting table sizes and designs on request.
- Printer kit.
- Warranty extension 24 months except wear parts.

The Functions

- Counting:
The layer is completely counted.
- Comparing:
Results are compared with the pre-set number, if they do not match, a visual alarm is displayed.
- Batching:
A pre-set number can be easily batched to obtain a ream.
The counting disc is used for separation to provide a gap for the operator to easily separate the reams.
- Security Counting:
Results are compared with the pre-set number, if they do not match, the product is not automatically released.
- Difference counting:
A pre-set number is compared with the amount in the layer.
Under or over quantities can be removed or added in the ream according to guided instructions to obtain the required quantity. The counting disk is used for separation to provide the operator with a gap for easy removal of the excess quantity.

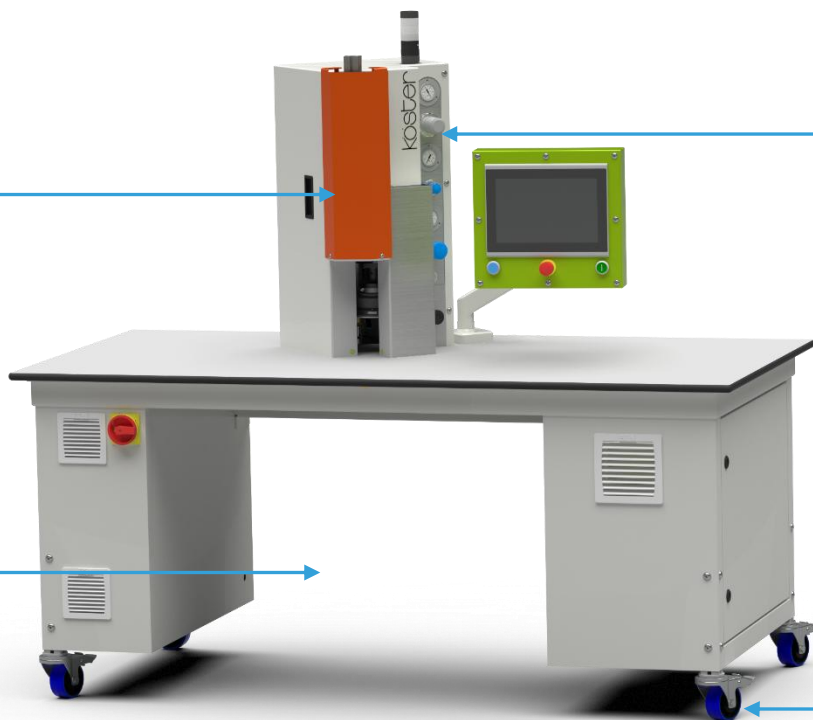
The Standard Version

B12

Ergonomic counting head angle of 45°.

Encapsulated counting head to reduce noise during counting.

Adjustment of the weight of the counting head, the vacuum power and the pressing force of the press plates via pressure regulators.

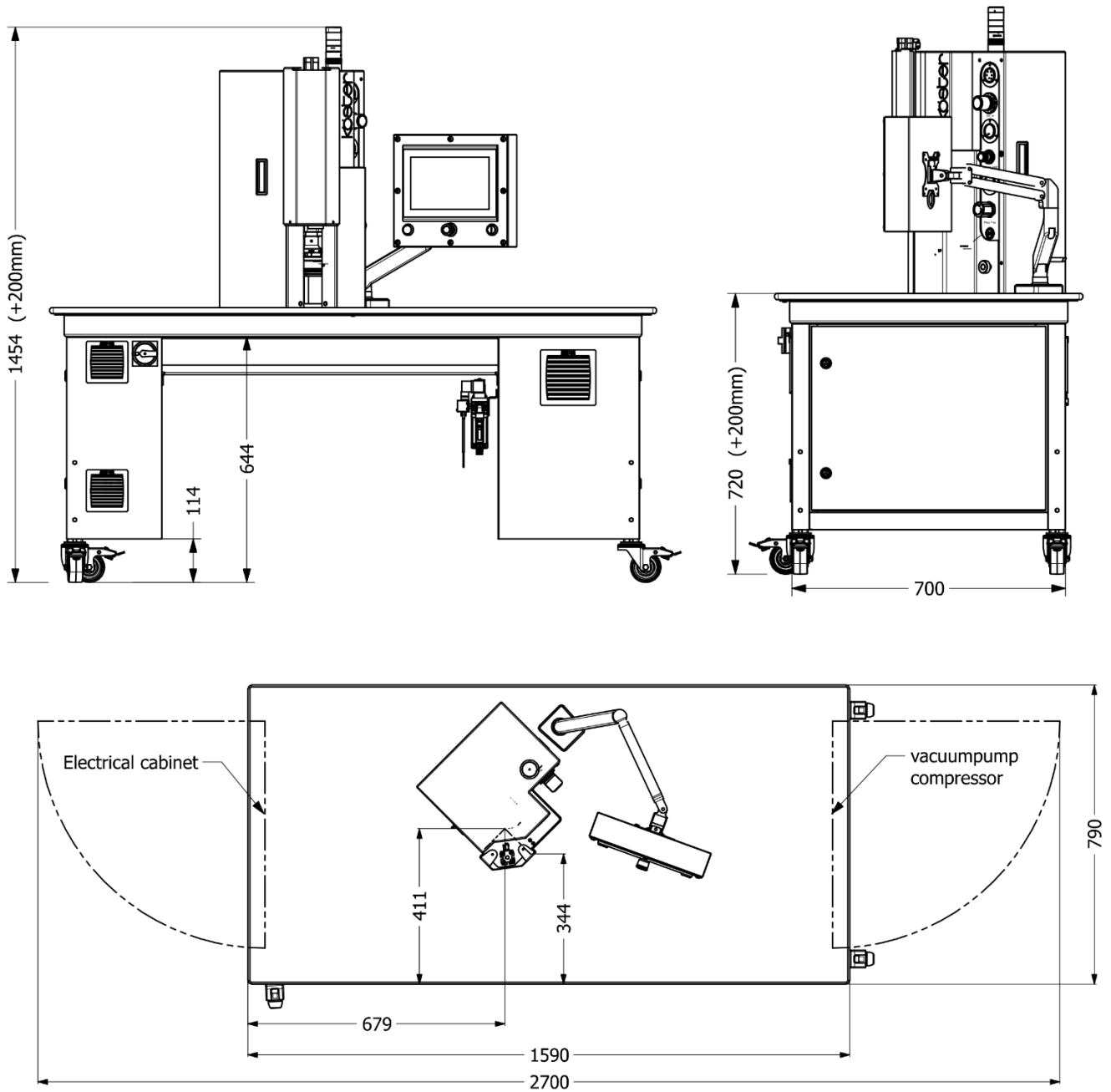


Generous legroom for the operator during machine use.

Machine on castors for easy relocation.

Machine Layout

B12



Technical Specifications

B12

Dimensions	L	W	H
Overall (mm):	1590	790	1454 -1654
Table (mm):	1590	790	
Working height (mm):	720 - 920		
Machine weight (kg):	230		
Supplies			
Electric:	Single-phase 230V-AC / 50-60Hz / max. back-up fuse 16A / full load current 8A		
Pneumatic:	Min. 6 bar / oil and water-free / consumption 200 l/h		
Layer height			
Min. (mm):	10		
Max. (mm.)	200		
Formats	L	W	
Min. format size (mm):	50	100	
Max. format size (mm):	400	600	
Counting Technology:	Disc		
Counting Direction:	Top to Bottom		

Technical Specifications

B12

Counting Speed	Max. RPM	Type	Segments	Sheets/Min.	Sheets/Sec.
Rated RPM:	2.000	C	6	12.000	200
Depending on the rigidity and quality of the products, these values may vary during processing.					
Currency Industry:	Currency and documents paper, coated or uncoated, cotton, polymer, hybrid and much more.				
Consumer Industry:	Consumer paper, coated or uncoated, laminated, plastics, polymers, paperboards, cardboards and much more.				
PLC Control					
Brand:	B&R				
Touchscreen:	10,1" coloured multilingual, main HMI with pictograms				
Interfaces:	FTP (Client / Server)/USB/Profinet/Profibus/Ethernet-IP/EtherCat...				
Operating Noise					
Max. dB(A) at 2000 RPM:	78				
Environmental Conditions	Min.		Max.		
Recommended temperature range (+°C):	15		35		
Recommended relative humidity range (%):	30		70		
Certification	CE declaration, in accordance with all applicable European standards				

The Standing Operation Version

B12 ST

Ergonomic counting head angle of 45°.

Encapsulated counting head to reduce noise during counting.

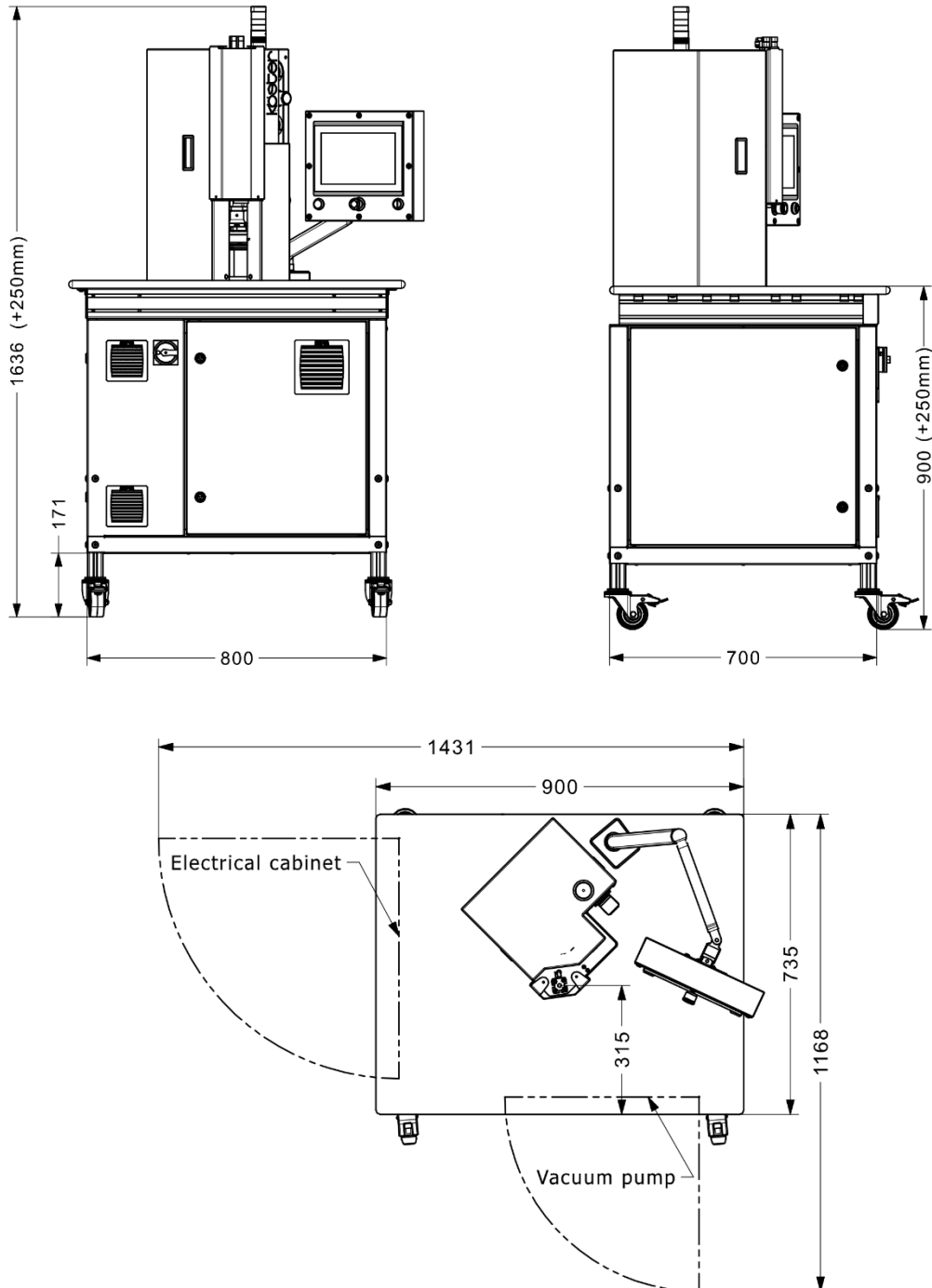
Adjustment of the weight of the counting head, the vacuum power and the pressing force of the press plates via pressure regulators.



Machine on castors for easy relocation.

Machine Layout

B12 ST



Technical Specifications

B12 ST

Dimensions	L	W	H
Overall (mm):	900	735	1636 -1886
Table (mm):	900	735	
Working height (mm):	900 - 1150		
Machine weight (kg):	230		
Supplies			
Electric:	Single-phase 230V-AC / 50-60Hz / max. back-up fuse 16A / full load current 8A		
Pneumatic:	Min. 6 bar / oil and water-free / consumption 200 l/h		
Layer height			
Min. (mm):	10		
Max. (mm):	200		
Formats	L	W	
Min. format size (mm):	50	100	
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Counting Technology:	Disc		
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B12 ST

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Operating Noise					
Max. dB(A) at 2000 RPM:		78			
Environmental Conditions		Min.	Max.		
Recommended temperature range (+°C):		15	35		
Recommended relative humidity range (%):		30	70		
Certification	CE declaration, in accordance with all applicable European standards				

Since 1991

Discs



Made in Germany –
Made for the world



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