

Lab

Test Solution



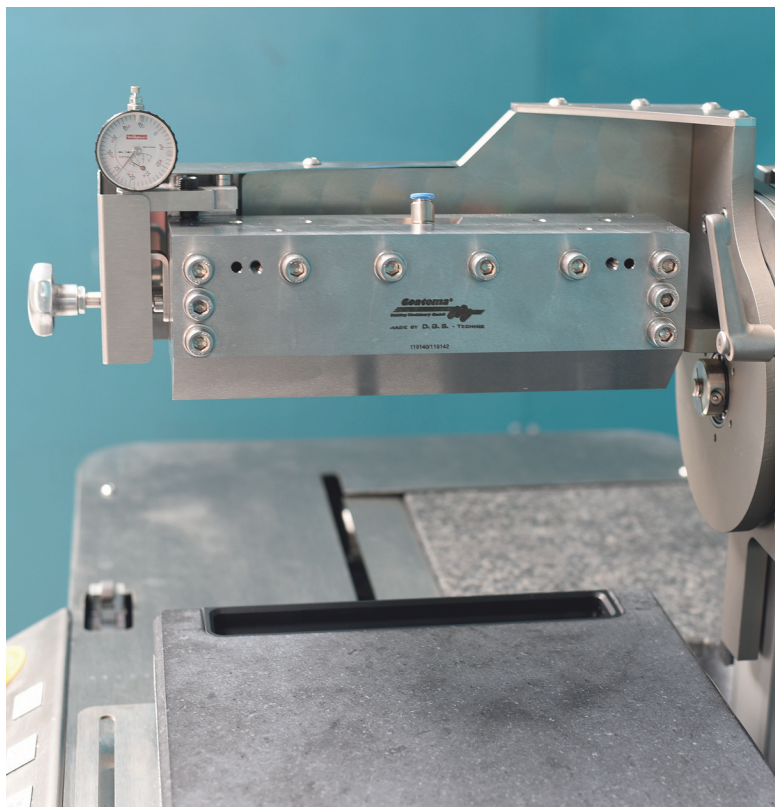
Coatema Test Solution

product brochure

Coatema Test Solution

Test Solution for sheet to sheet (S2S) coating

The new Test Solution S2S combines very precise coating technology in a benchtop format and easy to use design. Main technical features comprise full operation of the device with only compressed air and a vacuum granite table. Substrate holder with high surface precision mounted on a stainless steel or granite frame and exchangeable coating units such as doctor blade or slot die.



Test Solution for sheet to sheet coating

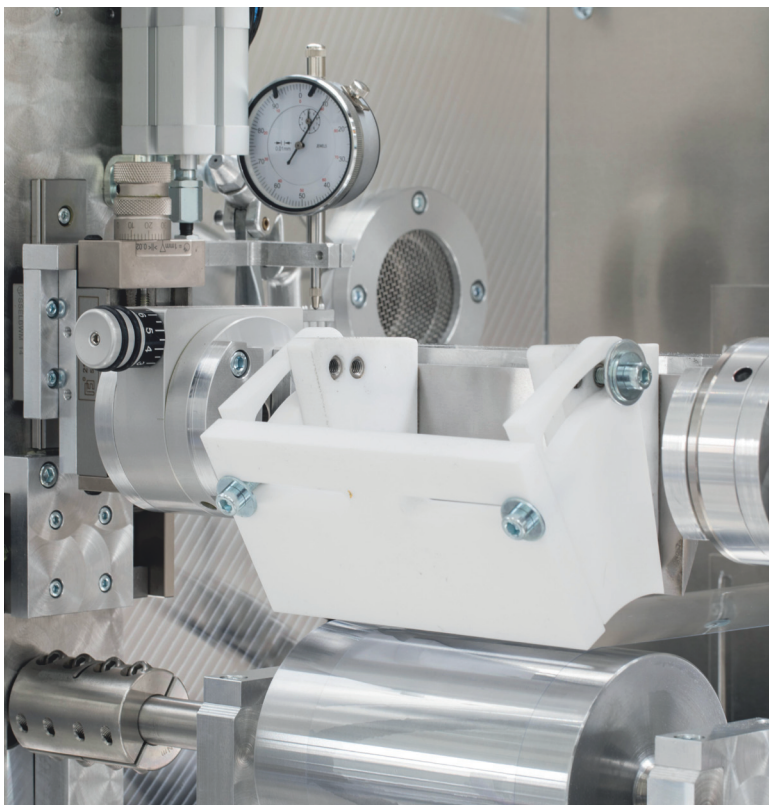
Technical Data:

Working Area:	DIN A4 (297 mm x 210 mm)
Coating Width:	max. 210 mm
Working Speed:	0,1 – 4 m/min
Dimensions: [L x W x H]	approx. 1000 mm x 580 mm x 500 mm
Weight:	approx. 100 kg
Power Supply:	230 V, 50 Hz
Power Consumption [W]:	200 W
[DIN / EC]:	IP 54
Colour:	RAL 5021



Test Solution for roll to roll (R2R)

The Test Solution R2R 2nd Generation with its continuous coating & laminating in one unit is ideally suited for small trial runs.

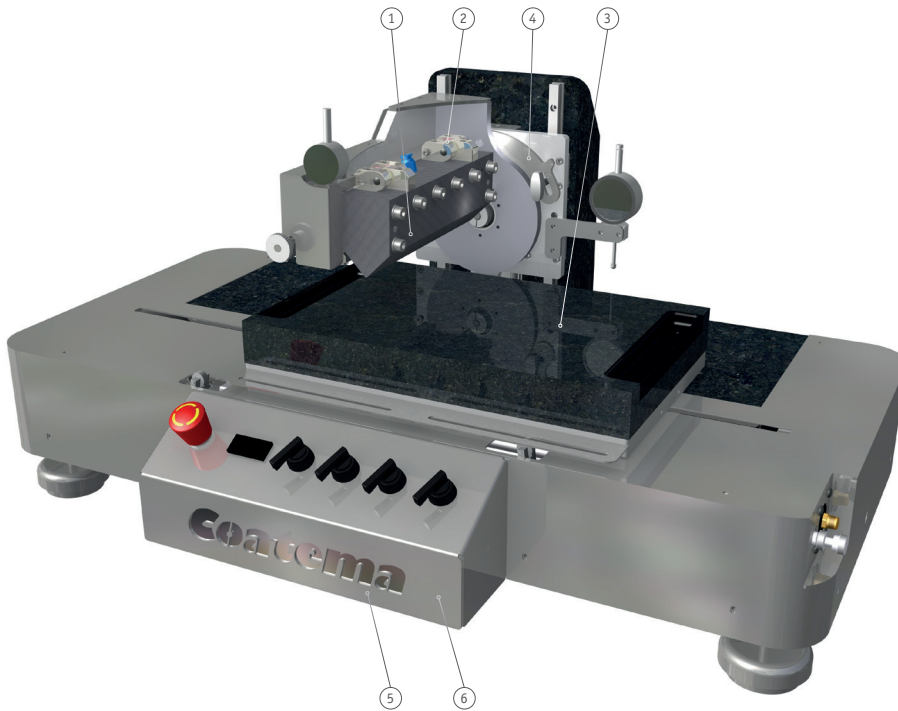


Test Solution for roll to roll

Technical Data:

Working Width:	max. 140 mm
Coating Width Knife/ Commabar:	5 – 130 mm
Coating Width Slot Die:	5 – 100 mm
Roller Width:	150 mm
Working Speed:	0,1 – 5 m/min
Working Direction:	One directional
Winding Diameter:	max. 200 mm
Dimensions [L x W x H]:	approx. 2130 mm x 1100 mm x 1930 mm
Weight:	approx. 650 kg
Power Supply:	400 V, 50 Hz AC, CEE-32 A, 5P, 6h
Power Consumption:	approx. 15 kW (excl. Options)
Enclosure Rating [DIN / EC]:	IP 54
Colour:	RAL 5021
Compressed Air:	min. 6 bar

Overview of product features & options for the new Test Solution S2S



LAYOUT FEATURES

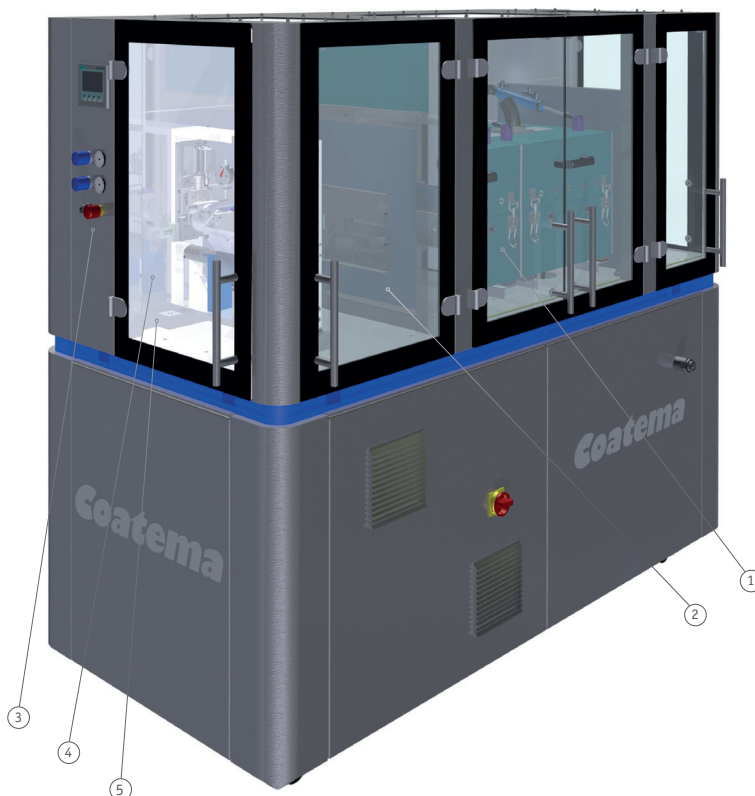
(as shown in drawing next to it)

- ① Slot die
- ② Doctor Blade
- ③ Standard precision granite vacuum table
- ④ Cantilever design
- ⑤ Pressured air cylinder (no power requirement)
- ⑥ Alternative version with standard drive

Benefits:

- ✓ air pressurised drive system
- ✓ high precision design
- ✓ compact layout
- ✓ cost efficient operation
- ✓ reproducible results

Overview of product features & options for Test Solution R2R



LAYOUT FEATURES

(as shown in drawing next to it)

- ① Dryer
- ② Lamination
- ③ S7 Control System
- ④ Coating System
- ⑤ Slot Die Commabar

Benefits:

- ✓ compact Coatema lab unit
- ✓ low cost coating operations
- ✓ two Coatema dryers
- ✓ cost efficient operation
- ✓ S7 controlled operation
- ✓ fully enclosed

Quick results

Benefits

This compact and budget oriented product range offers coating, printing and laminating on small scale for sheet-to-sheet and roll-to-roll applications.

Different coating methods can be used like Slot Die, Doctor Blade and Commabar. All coating system options are available on the Test Solution R2R system.

Here are a few benefits of the Test Solution approach:

- ✓ small size
- ✓ budget price
- ✓ easy handling
- ✓ R&D for everyone
- ✓ newest technology
- ✓ versatile layouts



Coatema R&D Solutions

At Coatema Coating Machinery GmbH in Dormagen, Germany you have the possibility to work in the world's most versatile R&D centre for coating, printing and laminating.

- ✓ equipped with several pilot coater and printer, a production line and a Click&Coat™ system
- ✓ working widths from 100 mm up to 800 mm
- ✓ experienced technical and executive staff, who will help analyze your needs and measure results before, during and after process trials
- ✓ well equipped chemical labs & meeting rooms

If you like to run trials please contact: info@coatema.de or call: +49 (0) 21 33 - 97 84 - 0



Research & Development Centre at Coatema