

Lab

Test Solution

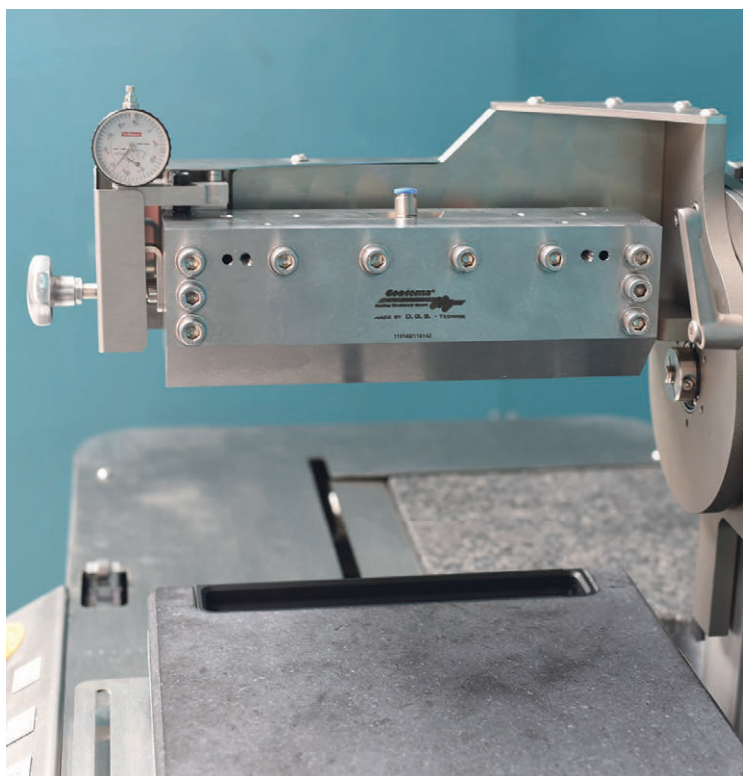


Coatema Test Solution
product brochure

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 with its continuous coating & laminating in one unit is ideally suited for small trial runs.

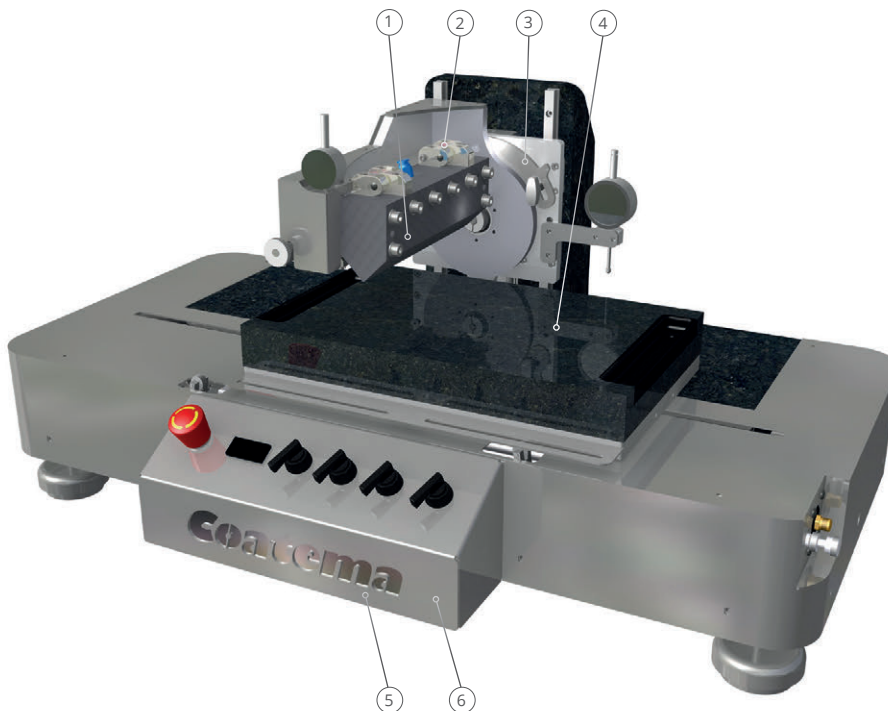


Technical data:

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

Test Solution for Roll-to-Roll

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



LAYOUT FEATURES

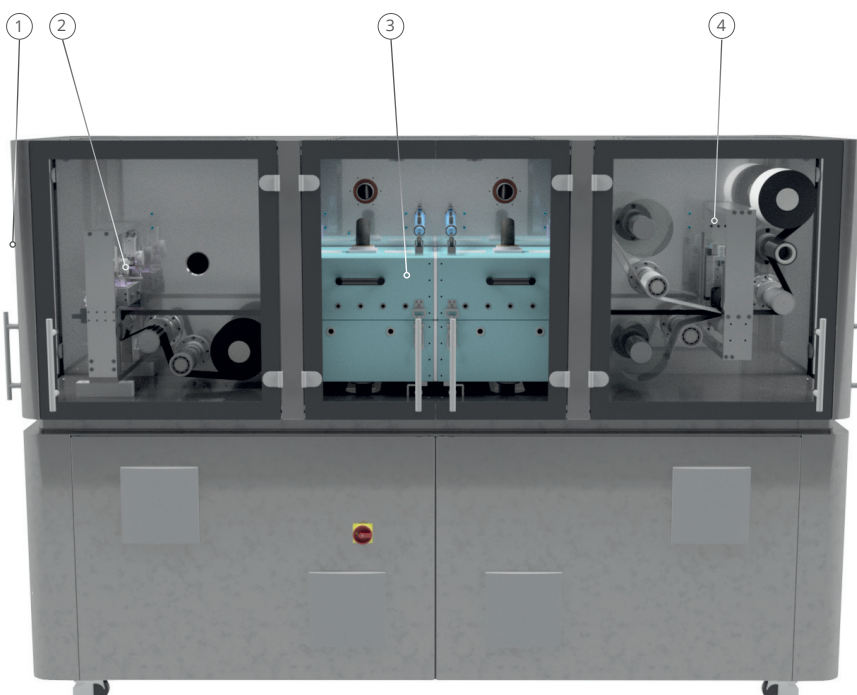
(as shown in drawing next to it)

- ① Slot die
- ② Doctor blade
- ③ Cantilever design
- ④ Standard precision granite vacuum table
- 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 S7 control system
- ② Coating system
- ③ Dryer
- ④ Lamination

Benefits:

- ✓ Compact Coatema lab unit
- ✓ Low cost coating operations
- ✓ Two Coatema dryers or more
- ✓ 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.

With the two versions, the Test Solution S2S for A4 sheet size substrates and the Test Solution R2R with a coating width of a 100 mm Coatema covers the whole range of compact and budget oriented equipment for coating, printing and laminating operations.

Different coating methods for the TS S2S like doctor blade and slot die can be applied and the same ones are available for the TS R2R and here you can use the Coatema dryer solutions and laminating capabilities.

Custom made versions for nanoimprint or others of the TS R2R are available on request.

All units are available for testing in our Coatema R&D centre.

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 largest 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, well equipped chemical labs & meeting rooms
- ✓ Will help analyze your needs and measure results before, during and after process trials

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



Research & development centre
at Coatema