

Lab

Thin Film Coater/Printer



Coatema Thin Film Coater/Printer

product brochure

The Thin Film Coater/Printer

High precision laboratory tool

The Thin Film Coater is a high precision laboratory tool for sheet-to-sheet operation which can coat and print in one step. The unit is designed to combine highly accurate applications of sub-micrometer layers.

The compact and robust coater moves the substrate back and forth beneath the application systems, mimicking the parameters and characteristics of a continuous roll-to-roll coating process.

The standard application system can combine:

- ✓ Slot die coating
- ✓ Gravure printing
- ✓ Flexographic printing
- ✓ Screen printing

Additional systems are available on request. Alignment works with servo drives to allow precision sub-micrometers accuracy. Registration control can be embedded if needed.



Printed Electronics



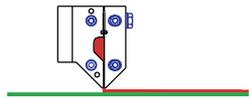
Slot Die



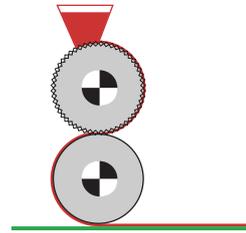
Gravure Roller



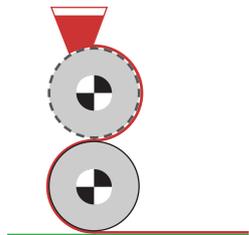
Coating and Printing in one step



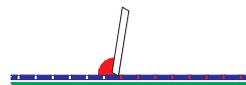
Slot Die system



Engraved Roller system

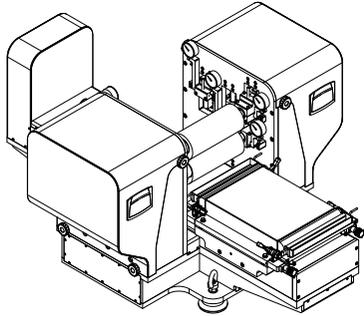


Flexo

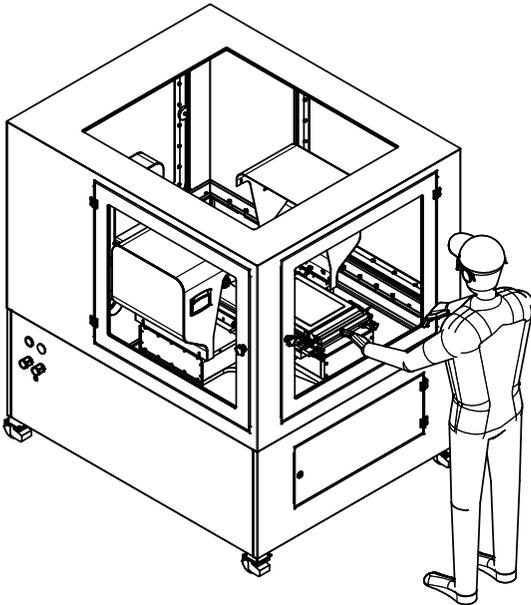


Screen

Up to three coating/printing systems can be combined.



without encapsulation



with encapsulation

For highest quality control

Optional features

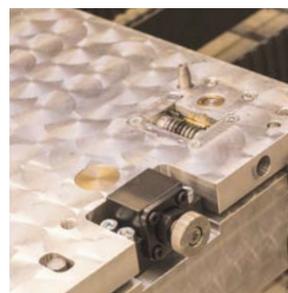
- ✓ Inkjet printing
- ✓ Registration camera
- ✓ Hot Air Dryer
- ✓ UV curing
- ✓ Photonic curing
- ✓ various size of the carrier (DIN A4, DIN A3, Gen3)
- ✓ with or without encapsulation
- ✓ can operate with solvent & solid based materials
- ✓ granite table
- ✓ microporous aluminium table (heatable; fixation of the substrate via vacuum)

The highest accuracy

...for laboratory coating & printing.

The application alignment works with servo drives to ensure a high-precision gap adjustment. The settings can be made so accurately that coating and printing with an accuracy in the range of sub-micrometers is possible.

The carrier is granite or aluminium (heatable and fixation of the substrate via vacuum) and guarantees an evenly result also at multiple coatings.



Coatema R&D Solutions

At Coatema Coating Machinery GmbH in Dormagen, Germany you have the possibility to work in the worlds 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 2,000 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: info@coatema.de or call: +49 (0) 21 33 - 97 84 - 0



Research & Development Centre at Coatema

Coatema Coating Machinery GmbH
Roseller Straße 4
D-41539 Dormagen

Telefon: + 49 (0) 21 33 / 97 84 - 0
Fax: + 49 (0) 21 33 / 97 84 - 170
Email: info@coatema.de

www.coatema.de