

Lab

Easycoater



Coatema Easycoater

product brochure



Coatema Third Generation Easycoater

Precise and Versatile

The Coatema Easycoater III sets a new standard for precision sheet coating and printing. The Coatema EC III is designed to produce samples, or low volume production output, of products ranging in dimensions from a few square centimeters to a square meter.

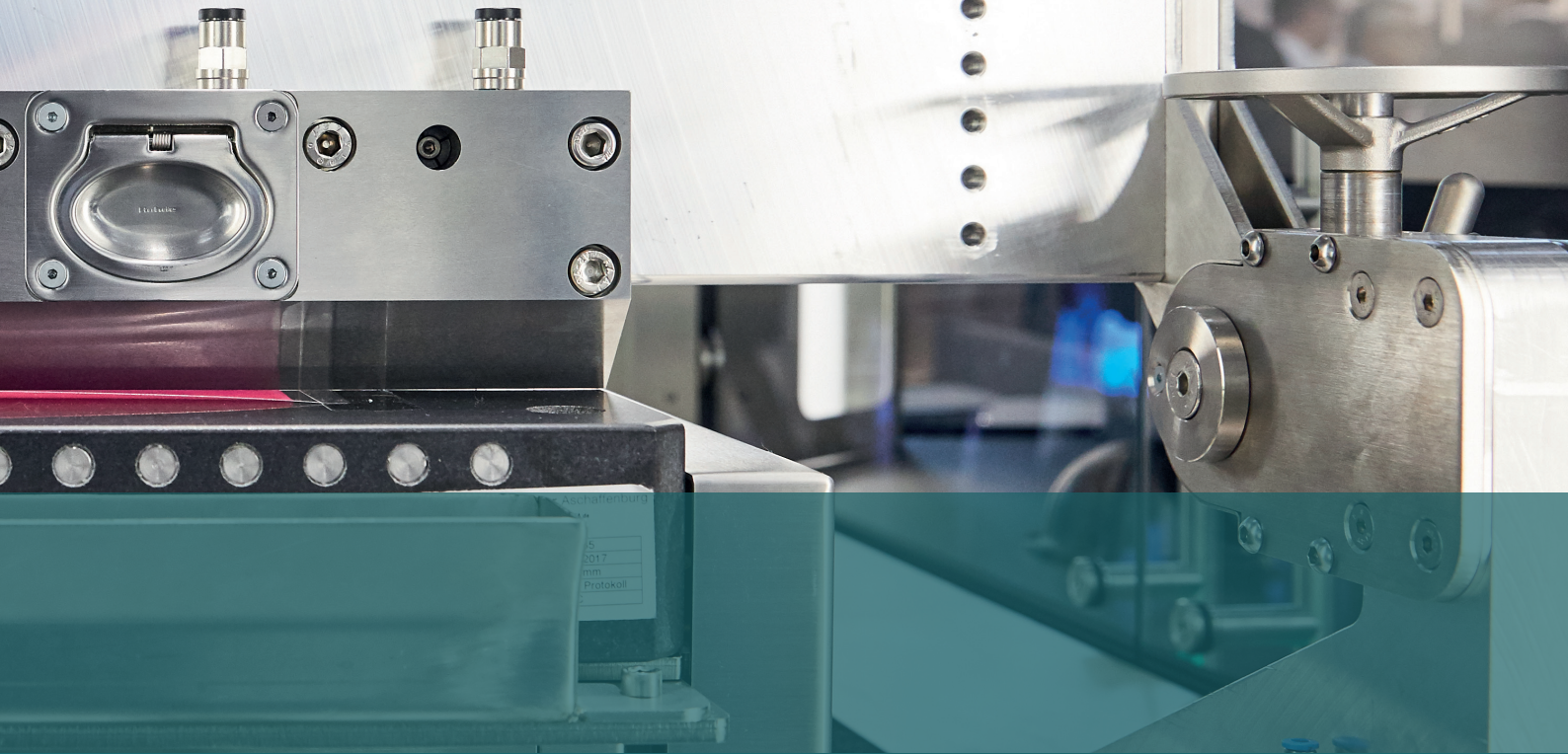
The primary design offers a blade over platen-table system with a slot die coating option. A flat screen printing function is included and an inkjet printing option is available.

The EC III is designed to be the next-step, after handmade or bench-top sampling and can produce precise prototypes or finished products. The precision vacuum table is designed for the most demanding applications with the possibility of 1% surface variance, depending on the substrate and application material.

All functional components are motor driven and the overall unit is built on a heavy-duty precision stone core for stability. Optional curing, drying and other post-application options include: heated air, UV crosslinking and NIR radiation; all controlled by a Siemens S7 system. A unique enclosure design makes every part of the EC III easy to access. Solvent fumes are evacuated with an explosion proof exhaust system. Cleanroom versions and inert gas environments are available.



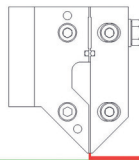
Motoric movement table and application system motor driven



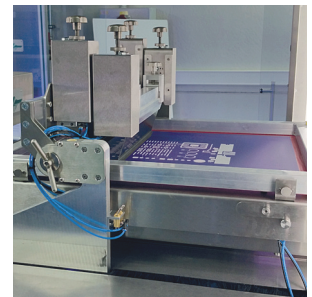
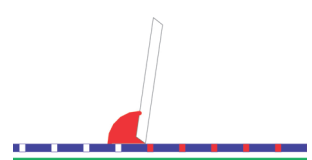
Application systems



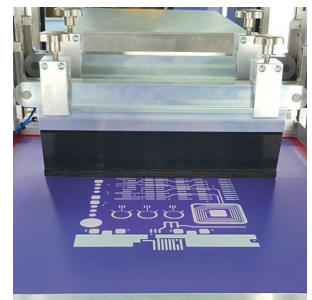
Doctor blade coating



Slot die coating



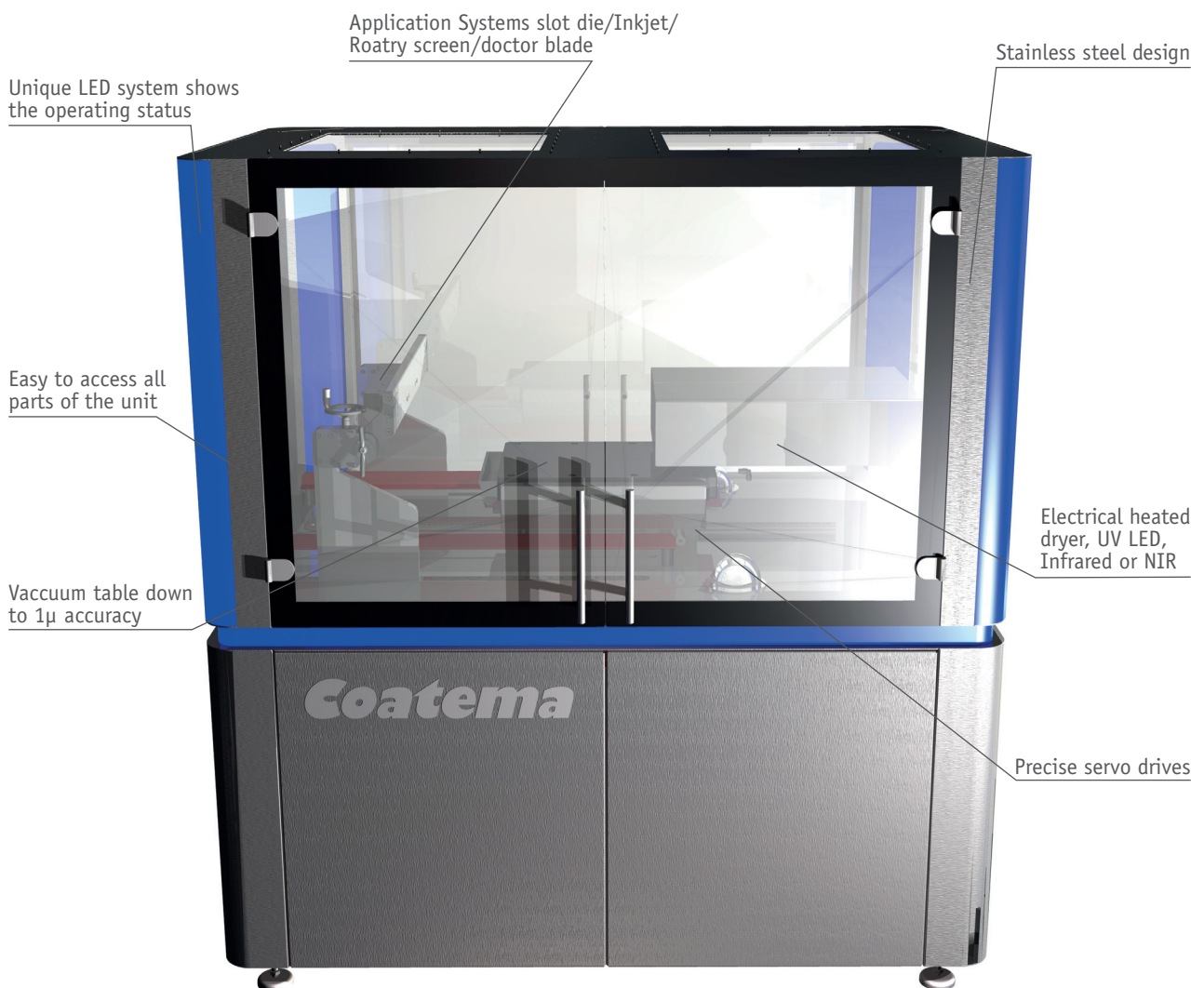
Screen printing



Printing & drying in one machine/system



Overview of product features & options



Quick results

Benefits

Coatema is constructing and building the Easycoater for over 10 years. With the growth of customer requests the lab machinery was continuously improved since then. The first generation was a basic version with the coating table and one application system.

Now it's a fully equipped laboratory coater with three basic application systems and several extra units, like the high precision vacuum table or the electrical heated air dryer. If needed, further equipment can be installed. Every process step can be motorized and is fully reproducible. The unit is designed for high precision and achieving quick results.

Here are a few benefits of the Easycoater approach:

- ✓ The Coatema Easycoater has been an industry standard for more than 20 years
- ✓ The Easycoater III version is designed for new markets such as printed electronics, medical applications, batteries, renewable energy and flexible displays
- ✓ A compact coater and printer combined
- ✓ Automated and motor driven application systems
- ✓ Minimal materials required



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 1,000 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