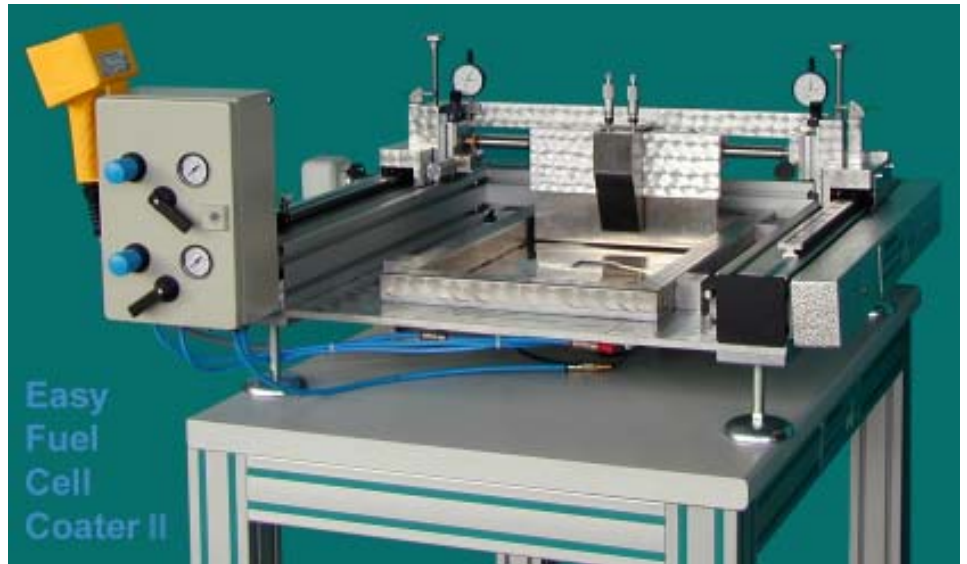


Machinery in Perfection

All New EFCC II Fuel Cell Components Coater

The Coatema EasyFuelCellCoater II allows accurate, even, and repeatable applications of catalyst solutions to stack elements. The catalyst can be applied to either a carbon layer or a membrane layer. It is a knife-over-screen coating system designed to make simple and economical the transition from handmade components to precise machine coated components.

The principle of the EFCC II is simple; a precision metering system dispenses the desired amount of ink or paste as the professional quality “doctor blade” spreads the catalyst solution evenly and accurately over the surface to be coated.

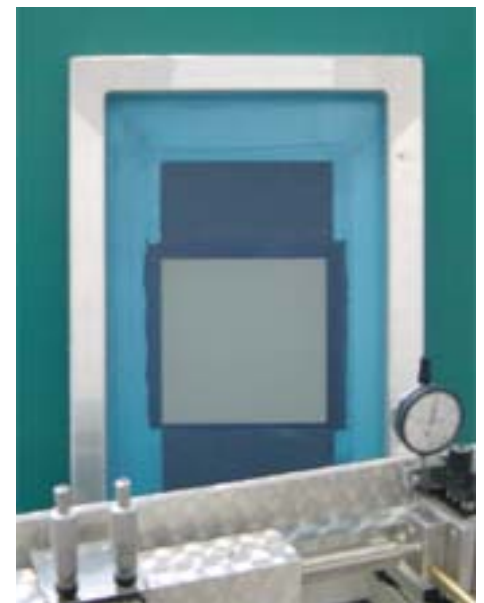


The EFCC II is a knife-over-screen, ink or paste-metering coater.



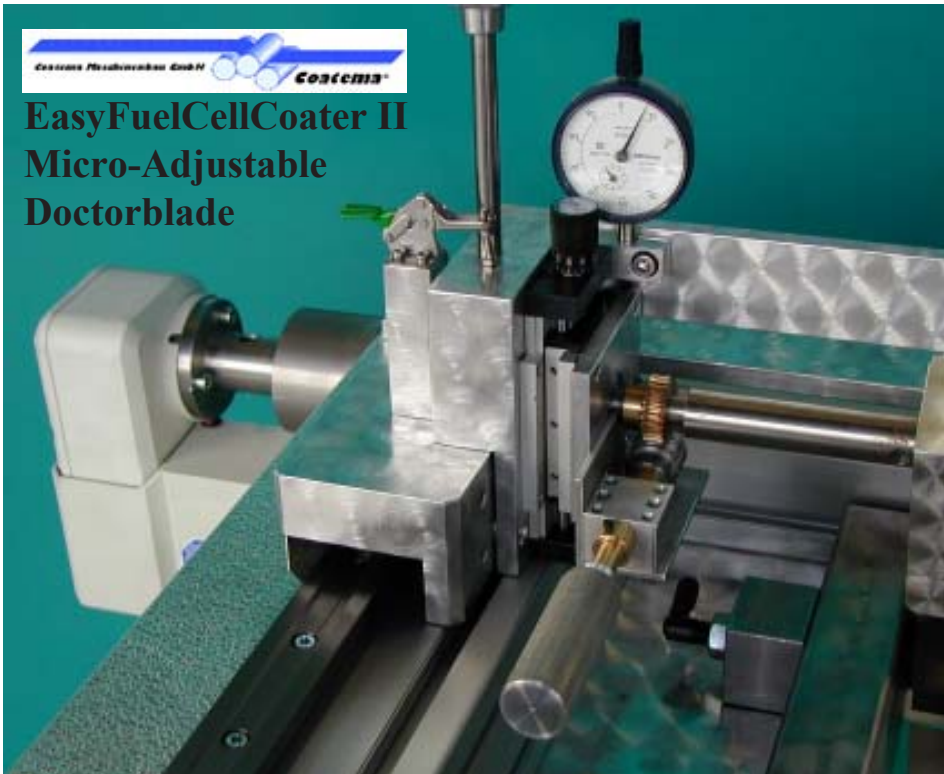
New dispenser is adjustable in gap and angle with a precision gauges.

The material to be coated is held firm and flat with a vacuum back.



Coated Area Up to 220 x 279mm

A masking screen allows the catalyst solution to touch the surface in only the desired area. Controlling the size, shape and pattern of the coated area.



EasyFuelCellCoater II Micro-Adjustable Doctorblade

Micrometers adjust the precision Doctorblade in angle and height.

EasyFuelCellCoaters are already installed at coating research facilities, educational institutions, and manufacturing companies worldwide.

The EasyFuelCellCoater II is one of many laboratory, pilot plant and full production coating and laminating systems available from Coatema.

Most Coatema systems can be seen and tested in the Coatema Technical Center in Dormagen, Germany.

This center provides state of the art technology in coating and laminating and offers a great opportunity for R&D and sample production. Chemical and process experts are on staff at the center.

EurotecUSA, Inc. can assist process developers in the coordination and logistics involved in a visit to the Coatema Technical Center.



New Vacuum Back

The coating ink or paste is precisely spread by the Doctor blade as the coating head moves smoothly over the screen or mask.

Movement of the head is controlled with a simple hand-held device.

The substrate is held in place and flat with a vacuum back system.

Technical Data EasyFuelCellCoater II

Working Width: Max. 210 x 297 mm

Sample Size: Max. 210 x 297 mm

Screen Size: 210 x 297 mm

Plate Size: 600 x 730 mm

Unit Size: 950 x 1010 x 500 mm

Unit Weight: 130 Kg



Benzstrasse 14
Dormagen-Hackenbroich
Germany - D-41540
Tel.: (0) 21 33-26 9720/21
Fax: (0) 21 33-26 97 22
coatema@coatema.de

Represented by:

EUROTEC USA Inc.

2378 E. Big View Dr. - Oro Valley, AZ 85755

520.818.9551 INFO@EUROTECUSA.COM

WWW.EUROTECUSA.COM

Thomas Kolbusch is a Managing Director of Coatema Coating Machinery GmbH and is responsible for worldwide sales and marketing of coating and drying systems for advanced technologies.

Bob Sandbank is the President of EurotecUSA and represents Coatema in the United States, Canada and South America.