

VACUUM WEB COATING SYSTEM

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FOBA FAMILY

FOBA Vacuum Web Coating Systems

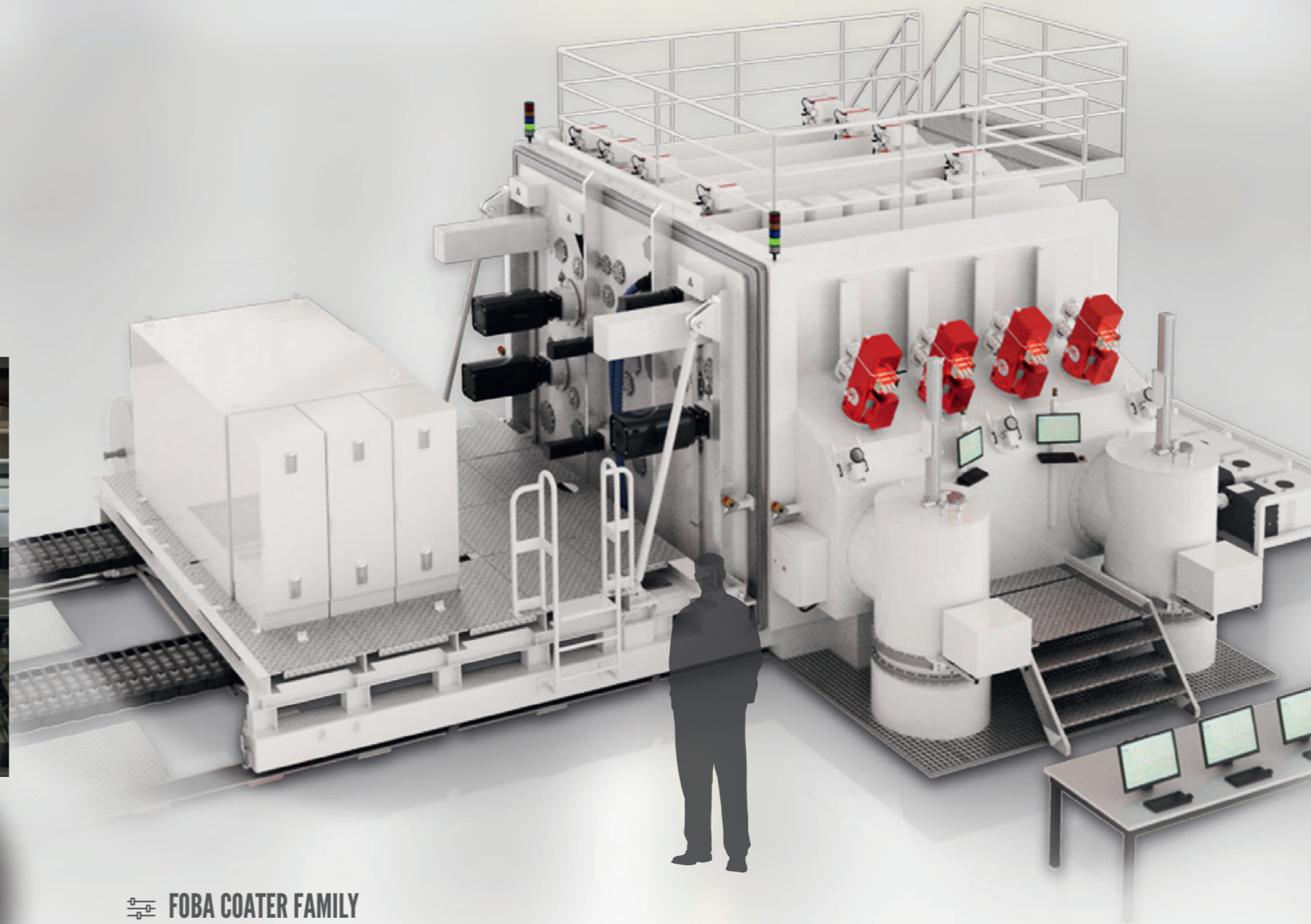
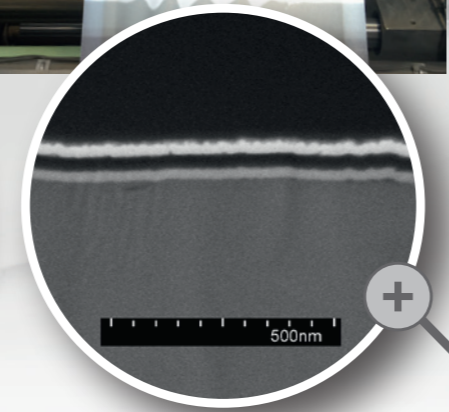
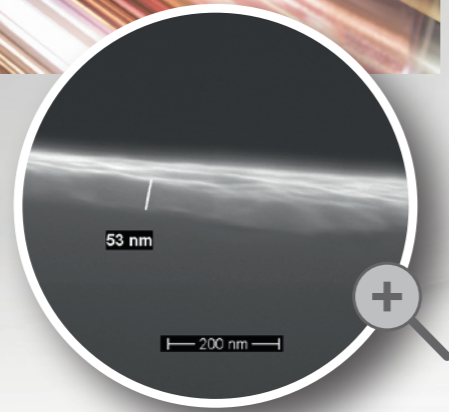
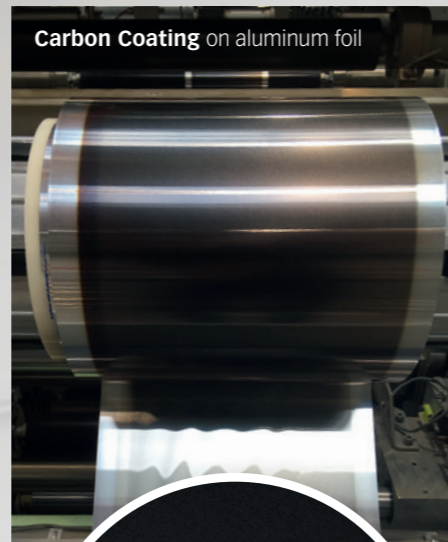
FOBA Family

VON ARDENNE provides tailored web coating solutions for today's most ambitious thin-film applications on polymer and metal films comprising equipment, key technology components and application technology.

As a leading developer and manufacturer of industrial-proven vacuum deposition equipment for large-area coatings, VON ARDENNE has incorporated its broad knowledge and expertise in EB-PVD technologies and web handling into this platform.

The **FOBA** is a compact coating system for the roll-to-roll coating of flexible materials. It uses our proven electron beam evaporation technology to deposit functional layers at high rates on polymer film or thin metal strip. The **FOBA i** is ideal for high-volume production and is available for applications requiring one or two EB deposition layers.

Examples for Functional Coatings on thin Web Materials



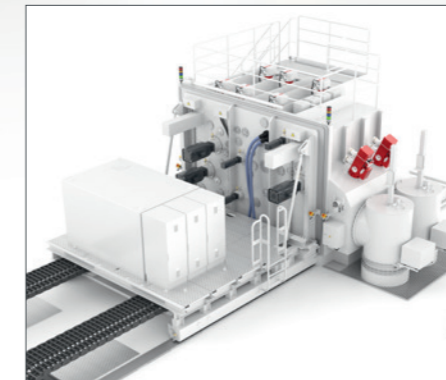
FOBA COATER FAMILY

100 % SCALABLE PRODUCTION FOR WEB COATING



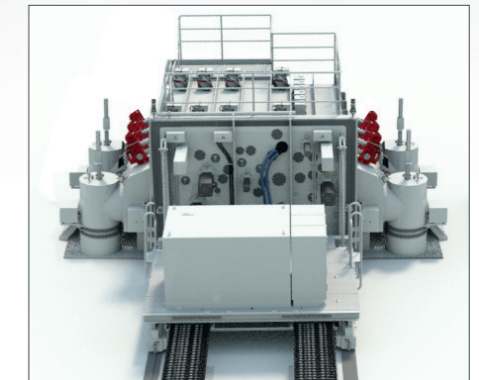
FOBA 600

- ... R&D and pilot production
- ... 650 mm substrate
- ... Single-sided coating in one run



FOBA 1600

- ... Mass production
- ... 1650 mm substrate
- ... Single-sided coating in one run



FOBA 2400

- ... High-volume production
- ... 2450 mm substrate
- ... Double-sided coating in one run
- ... Best-in-class cost of ownership

BENEFITS

- ... Highest productivity
- ... Best efficiency
- ... Outstanding product quality
- ... Wide range of scalability
- ... Easy maintenance

FEATURES

- ... Variety of substrate materials e.g. PET, PP, PA, PE, Al, Cu
- ... Substrate thickness range 4.5 µm - 200 µm
- ... High operation speed range 1 m/min - 1200 m/min
- ... Good coating width 600 - 2800 mm
- ... Typical uniformity +/- 3%
- ... Several pretreatment options & pumping configuration
- ... Enhanced thermal management by gas supported cooling drum



FOBA 1600



PRODUCT
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PRODUCT
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COMPONENTS



www.vonardenne.biz

WHO WE ARE & WHAT WE DO

VON ARDENNE develops and manufactures industrial equipment for vacuum coatings on materials such as glass, wafers, metal strip and polymer films. These coatings give the surfaces new functional properties and can be between one nanometer and a few micrometers thin, depending on the application.

Our customers use these materials to make high-quality products such as architectural glass, displays for smartphones and touchscreens, solar modules and heat protection window film for automotive glass.

We supply our customers with technologically sophisticated vacuum coating systems, extensive expertise and global service. The key components are developed and manufactured by VON ARDENNE itself.

Systems and components made by VON ARDENNE make a valuable contribution to protecting the environment. They are vital for manufacturing products which help to use less energy or to generate energy from renewable resources.



SALES
CONTACTS



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CONTACTS

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