

KOENIG & BAUER

**FoilCOAT – original
finishes for
your products**



we're on it.



- 1 Foil unwinder
- 2 Dancer roller
- 3 Corona unit
- 4 Application unit
- 5 Suction roller
- 6 Foil transfer / pre-gelling
- 7 Excimer unit
- 8 UV unit
- 9 Tempering roller
- 10 Corona unit
- 11 Tension measuring roller
- 12 Spreading roller
- 13 Rewinder with lay-on roller
- 14 Machine control

How can you make your print products unique?

Of course through printing and finishing, but also through original processing variations, for special visual and tactile impressions provide a wow factor and remain in your customers' minds.

The new FoilCOAT was designed by KBA-FT Engineering for the production of matt foils with solvent-based as well as solvent-free UV varnishes. The machine can process foils with a thickness of 12 - 80 µm. In the machine, foil reels are unwound and fed through the first tensioning system to an application unit. The foil can travel through the application unit with

chambered doctor blade directly and indirectly, depending on the product. The foil is then fed via a suction roller through the downstream pre-gelling unit and a driven roller transfer frame to the tempering roller of the excimer and UV system. The desired degree of matting of the foil takes place within this unit. The foil is then wound up again. The unit is designed in

Machine data

- Nominal speed: max. 250 m/min
- Production speed: 100 m/min
- Web width: min. 600 mm / max. 1600 mm
- Roller width: 1800 mm
- Varnishing system: 100% solvent-free and solvent-based MEK
- Unwinder/rewinder reel diameter: max. 1000 mm
- Reel weight: max. 1600 kg
- Rewinder accuracy: +/- 1 mm for a bale diameter of 1000 mm
- Rewinding direction of material: Coating facing inside / outside with lay-on roller
- Tensioning cones: 3" (76.2 mm) and 6" (152.4 mm)

accordance with ATEX directives in all relevant areas. The new machine is tailored individually to the customer's requirements, for example with an ESH system.

The excimer and UV technology used here can also be used together with an ESH system for processing decor paper & finishing foils.

