**challenger**

**Sheet-to-Product**

Highly precise printing and coating system for functional printing, printed electronics and security printing.

Used for R & D, pilot and production application in a wide range of industries.

The challenger 650 is designed to explore various possibilities and combinations of coating and printing with a precision of 10 µm in one machine.

- Gravure  
- Flexo  
- Screen  
- Slot die  
- Indirect gravure  
- Inkjet  
- Laminator  
- Pick & place  
- Etc.

**Sheet-to-Product**

Available printing and coating units:

- Gravure  
- Inkjet  
- Flexo  
- Pick & place  
- Screen  
- Laminator  
- Slot die  
- Etc.  
- Indirect gravure

- Printing and coating on flexible and rigid substrates
- Integrated air bearing guide allows vibration-free movement of the substrate carriage
- Individually programmable printing and coating speed at each station
- Programmable drying process (UV / Air / Photonic Curing, etc.)
- Optical alignment system
- Measuring software
- Accuracy and reproducibility <10 µm

- Substrate size Max. 297 x 216 x 4 mm
- Printing size Max. 240 x 170 mm
- Printing speed Up to 90 m/min.
- Length 5500 mm
- Width 1400 mm
- Height 2100 mm
- Weight Approx. 6500 kg
challenger
Sheet-to-Product

Comb-Nozzle- and UV Dryer
Screen
Flexo
Gravure