

# ADVANCED MODULAR UV-FLEXO MACHINE WITH SHAFTLESS TECHNOLOGY

DESIGNED WITH THE SHORTEST LINEAR  
WEB PATH FOR THE MINIMUM WASTE.  
IDEAL FOR PRINTING ANY KIND OF LABEL  
OR FLEXIBLE PACKAGING MATERIAL  
IN A SINGLE-PASS PRODUCTION.  
THE BEST PRODUCTIVITY AND MAKE READY  
TIMES WITH THE HIGHEST FLEXO QUALITY.

FOR ALL KIND OF MATERIALS:

Self-Adhesive Labels, Monofoils, BOPP, PET, PVC,  
Laminates, Wrap Around, Shrinkable Sleeves,  
PVC Labels, Aluminium, Multi-substrates,  
Sandwich, Technical Labels





#### 1. FLEXO UNIT

The Advanced Flexo Unit of the SmartFlex is fully automated. With fully shaftless technology, a direct motor drives the impression cylinder and all operations in the flexo unit are motorized with a very accurate system in order to achieve less waste, fastest make-ready times and the highest flexo Quality. The unit has very easy access for cleaning and setup times. Fully automatic!

#### 2. RAIL SYSTEM FOR COLD STAMPING AND LAMINATION

The Rail System for Foil Cold Stamping and Lamination is very flexible, giving the opportunity to add value to the printed products to meet the most demanding requirements. The units can be positioned between any of the printing stations. This is an ideal solution for sandwich and technical labels.

#### 3. AUTOMATIC REGISTER SYSTEM

The newest Register System developed by ROTATEK is a unique system that allows an outstanding high quality accuracy and stability for the entire print run. The system is operated with digital sensors in each station of the press. Waste is greatly reduced and the operator can focus on achieving the highest printing quality and the best productivity on the machine.

#### 4. RAIL SYSTEM FOR TURN BARS

This system allows the printer to have multiple positions for the turn bars, allowing very high flexibility to produce its products with multiple configurations in-line. It allows printing on the front and on the back of the material, and also delam - relam products.

#### 5. DIE CUTTING

The Rotary Die Cutting station offers the highest accuracy with a micro-adjustment Regulation system that allows the printer to perfect its die-cutting shapes and balance unequal cutting. This unit is very reliable, for even the most difficult shapes.

#### 6. MAIN CONTROL PANEL

The Ultimate multi-touch screen allows the operator to easily manage all of the various units of the machine from one panel. All technical and operational information, register control, and data storage jobs are accessible in the user-friendly interface of this unit.



#### TECHNICAL SPECIFICATIONS

Max. mechanical Speed: up to 150m/min. (up to 200m/min on request)  
 Max. web width: 350 mm.  
 Maximum printing width: 330 mm.  
 Printing repeat length: Variable between 8" and 24" (1/8")  
 Die cutting repeat length: Variable between 10" and 24" (1/8")  
 Max. Diameter Unwind: 1.000mm  
 Max. Diameter Rewind: 700mm

#### UNLIMITED IN-LINE COMBINED TECHNOLOGIES

Flexo • Hot Foil Stamping • Embossing • Die-Cutting  
 • Lamination • Cold Foil Stamping • Hot Air • UV  
 conventional curing • IR dryer • UV led curing  
 • 2 Spindler Rewinder • Automatic Register Control  
 system • Corona Treatment • Movable  
 Turn Bars • Delam-Relam