

# PLUS-330/420 MODULAR DIGITAL FINISHING



The PLUS-330/420 systems are modular in design, so that each machine can be tailored to meet your needs and create a clear, competitive advantage for your business. Nearly all modules can be combined, and it is also possible to fit multiple flexo, screen or die-cut modules into one machine. Each module features independent tension control, and an independent step-and-repeat, with a sensor for re-registration. This creates maximum flexibility, more ways to optimize productivity and minimize tooling costs. The modern movable touchscreen user interface is operator friendly and easy to use.



#### UNWINDER & WEB GUIDING

Unwinder with closed-loop tension control. Electronic web guide with ultrasonic edge guide sensor. 76 mm air expanding mandrel. Max diameter 700 mm - 1000 mm roll capacity.

#### FLEXO PRINTING UNIT

Independent, servo-driven semi- or full rotary printing unit with auto pre-positioning and registration. Offer reverse side printing. Printing repeat lengths of 50 mm - 457 mm.



*Value adding embellishment*



#### COLD FOIL & SUPER VARNISH

Cold-foil and super varnish with two pneumatic shafts and unwind/rewind.

#### FLAT BED SILK SCREEN

Servo driven silkscreen unit, with servo controlled screen blades and pressure. Easy to adjust. Optionally with a movable UV curing unit for optimal tactile results



#### ERGONOMIC USER INTERFACE

A large size full color touchscreen user interface. Easy to use and mounted on a rail to move along the machine from left to right for ease of use and ergonomics



*The optimal solution for high productivity*

#### 40T HOTFOIL/EMBOSSING

High speed hotfoil and embossing in one step. Suitable for both along and across the web application of 8 foils simultaneously. Highly precise with 7 Digitally controlled servo engines and electrical heating. Upgradable to hologram stamping



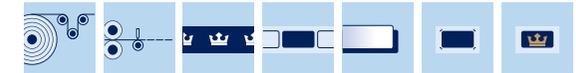
*Multi-layer labels with reregistered lamination*

#### DIGITAL EMBELLISHMENT

Digital spot varnish, digital silk screen, digital foil, digital metal doming all-in-one module. High value embellishment without a need for tooling in production. Enables changing patterns, and combine spot varnish, silk screen and foil in one pass with high precision



# PLUS-330/420 FLAT BED SILK SCREEN



The PLUS330/420 is production machine with the latest technology. Each module is build around a thick solid steel frame, and features branded components inside. Configure either a classical finishing unit or a highly automated and networked unit in constant communication with your CRM/ERP system. And select from a wide range of label delivery options for flexibility and to meet the needs of your customers.



#### SEMI-AUTOMATED DIE-CUTTING

Smart aids facilitate any operator to mount the die-cutting plate straight, and in the right position. Die-cutting pressure and positioning is highly automated, reducing set-up time, mistakes, and waste.



#### SEMI-OR FULL ROTARY DIE CUTTING

Independent and servo-driven. Repeat lengths from 50mm-330mm for semi-rotary, and 190.5mm-476.25mm for full rotary. Magnetic or solid/eng raved cylinders.



#### SLITTING OPTIONS

Add shear slitting knives. Increase productivity with automatic shear slitting to control the knives from the user-interface. Optional further automation and razorblades.

#### REWINDER

Rewinder with closed-loop tension control system ensures continuous stable tension. 700 mm maximum rewind diameter.



*JDF/JMF*  
Use Rhyguan's digital platform to receive JDF job data from your MIS/ERP system to automate settings and automatically pass-on JMF management information

*Use data from your pre-press system to set-up jobs faster*

#### FLATBED DIE-CUTTING

High speed precision flatbed die-cutting unit with maximum speed of 400 stamps/minute. It features a high-precision step-and-repeat of max 300mm for a high speed throughput of max speed of 120m/min. The Servo controlled die-cutting pressure, makes the module also suitable for embossing.



#### HIGH PRODUCTIVITY TURRET

Semi-automatic turret with automatic cutting, a buffer for non-stop finishing, automatic speed adjustment when changing rolls, and when emptying the buffer. Highly productive for short run work, when the operator can focus on directly packing the finished rolls.

#### CUT-SHEET DELIVERY

High speed rotary cut-sheet module with a conveyor belt enable sheet cutting and collations. This can be upgraded with an automatic stacking unit and combined with single and dual rewind options for optimal flexibility.

