

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-looptension control. Electronicweb 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.



REWINDER

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



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.

*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.

