

PLUS-330/420 VALUE ADDING EMBELLISHMENT



The PLUS-330/420 are modular in design, so you can choose the modules you need, in the sequence you need. Each module has independent frame and electronics. Also tension and frame length and the register are independently and controlled for each module. If your market suddenly changes, you can update your machine. Add new modules, or change the sequence of modules. Even after installation it is even possible to split the machine, or move one module to another PLUS-330/420 machine. Optimal flexibility to meet current and future demands from you customers with superior print quality.



SEMI/FULL ROTARY DIE CUTTING

Semi/full rotary die-cutting unit with a Z204 magnetic cylinder, Z106 anvil and counter pressure roller. Very easy to re-use die-plates designed for full rotary small cylinders. Optionally add an adjustable anvil, pressure dials or through-cutting to output shingles on a conveyor belt.



LAMINATION IN REGISTER

Laminate pre-printed web onto the main (pre-printed) web in perfect register. Separate tension control of both layers to be laminated and control over the lamination angle allow for a wide range of media to be laminated with precision and perfect tension.



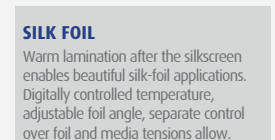
SEMI/FULL ROTARY FLEXO

Easy to use with the standard "flower" system. In register printing or varnishing. Standard with a Z204 print cylinder and a varnish cylinder. A Chill-drum, UV curing and / or IR/hotair, cold-foil can all be fitted onto the same module.



FLATBED SILKSCREEN

For challenging silkscreen inks and jobs. An automatic suction box ensures precision and stability of the media. Servo controlled blades provide stable positioning and pressure over long runs. Movable UV curing system. Frame height, frame angle, doctor blade angle are easy to set.



SILK FOIL

Warm lamination after the silkscreen enables beautiful silk-foil applications. Digitally controlled temperature, adjustable foil angle, separate control over foil and media tensions allow.



GLUE SIDE PRINTING

Semi/full rotary printing on the glue-side. Re-lamination, with control over the lamination angle. Integrated turn-bar and optionally add extra drives to enable usage of sensitive stretchable face-materials.



EMBOSSING

40T (optionally 60T) heavy duty embossing unit suitable for the heaviest blind embossing jobs. Can be combined with special NIP rollers with rollers that can be positioned in between the embossing spots to keep depth and perception. Also suitable for flatbed die-cutting.



HEAVY DUTY HOTFOIL

Enough power for high quality hotfoil, relief and micro embossing all in one step using 300x330/420mm tooling. This module is housed in a frame with 85mm thick solid steel and a solid 40T (optionally 60T) of servo pressure. Very stable with electronic temperature control, separate speed and dwell time control, full separation of daily pressure adjustment and periodic leveling. Suitable for foiling across and along the web with foil saving always included. Standard suitable for upto 6 lanes of foil. Upgrade to achieve a maximum of 6 independently positioned hologram reels.



HIGH SPEED SILKSCREEN

40 m/min flatbed silkscreen unit. The media moves full rotary. Servo controlled blades for stable pressure over long runs. Frame height, frame angle, doctor blade angle are easy to set. Optionally add a chilldrum, coldfoil for a wider range of applications.



PLUS-330/420 100% DIGITAL MODULES AND REWINDING OPTIONS



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.



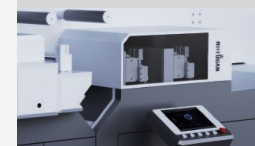
DIGITAL INTERFACE

The Rhyguan interface and documentation allows your pre-press software provider or any other IT system to be integrated into the Rhyguan system.

Use Data From Your Pre-Press System To Set-up Jobs Faster

DIGITAL DIE-CUTTING

Digital die-cutting with the same look and feel of a traditional die-cut. A dual row of plotter heads with automatic calibration functions allow to fully digitally die-cut at a speed of upto 8m/min for standard jobs.



DIGITAL VARNISH AND SILKSCREEN

Digitally apply varnish and digital haptic effect with thickness upto 0.2mm, with high resolution Konica printheads. Standard one row of printheads, optionally two with each row its own (or same) type of varnish for maximum flexibility. Automatic printhead adjustment.



AUTOMATIC SLITTING

Automatically positioned slitting knives that are easy to control from the user-interface, including edge-trimming. Maximum of 10 knives allows for a wide range of slitting possibilities. Optionally add manual razor blade also.

DUAL REWIND

Servo driven rewinder for clockwise and anti-clockwise rewinding with stable and servo controlled tension. Possible to add automatically controlled differential rewind shafts. Possible to add a separate counter.



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.



SEMI-AUTO TURRET

Semi-automatic 2-spindle turret which will turn automatically, and lower a pressure arm upon reaching the counter set. Simple, effective and highly productive. Suitable for clock-wise and anti-clockwise rewinding.