Rotary Flexo ZJR 340/460

TECHNOLOGICAL EXCELLENCE, THE FUTURE OF FLEXO PRINTING

- **Adopts the latest Bosch-Rexroth servo control system (Germany)**, each printing unit is driven by several independent servo motors. There are a total of 23 servomotors in an 8-color machine: this ensures accurate registration of every single moving part even at high speeds. In particular, we have a servo that moves the cooled roller, a servo directly clamped on the axis of the sleeve cylinder and a third motor that moves the anilox cylinder with a fast clamping system.

- The **print cylinder is a lightweight sleeve** that is easy, comfortable and quick to replace. The complete absence of gears eliminates the danger of "print marks" even on screen/halftones prints. There is no wear and loss of performance over time and the cost is also cheaper than a traditional print cylinder.
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- The **printing pressures are servo-motorized** and can be managed directly from the dedicated touch panel or the general control touch screen. It is possible to pre-set the pressure of all the printing units at the same time simply by setting the thickness of the substrate to be printed. This allows a considerable time saving at each start-up.

- The **printing anvil cylinder is NOT the cooled cylinder** of the UV lamp but a smaller cylinder placed just before the cooled cylinder: this involves printing the dot much sharper; another great advantage is the fact that, in case of breakage or skidding of the material, the ink is not polymerized on the cooled cylinder with consequent loss of long time (hours) for cleaning and restoration.

- The ink tray is lightweight and easily removable. It requires **very little ink to print** and the entire flexo unit can be set without any tool (tool-less adjustament).

- The **UV calender cylinder is water cooled** thanks to a dedicated circuit and chiller; this is of fundamental importance for the management of the single layer low thickness plastic

material but it is of great benefit also for the printing of self-adhesive materials especially if printed with a high number of colours (>5).

- **Short paper path**: less waste and more speed at start-up.

- The machine, thanks to **high-frequency photocells** on each printing unit and a **cylinder mark**, has a precise register control. The pre-register system is electronic and allows a further saving of time and material during the start-up phase.

- The **HMI** (Human Machine Interface) is easy and intuitive: every operation can be immediately identified and implemented by the operator without difficulty thanks to the complete portability of the panel on the whole line; the longitudinal and transversal registers are completely motorized and can be modified from the touch-screen operator panel.

- **The tangential waste rewinder unit** allows the release of the most difficult matrix at high speeds; this system keeps the matrix release point always in contact with the rewinding shaft, thus avoiding possible differences in tension on the matrix that could cause it to break.

- Easy, fast and ergonomic **hoist for loading and unloading magnetic cylinders**.

PRINTING PERFECTION

MAIN MACHINE FEATURES:

	ZJR 340	**ZJR 460**
Max printing speed	180 m/min	180 m/min
Printing Stations	4 – 12 (colors)	4 – 12 (colors)
Max paper width	340 mm	460 mm
Max printing widht	330 mm	450 mm
Printing format	Z76-Z190 (241.3 mm – 603.25 mm)	Z76-Z190 (241.3 mm – 603.25 mm)
Max unwinding diameter	900 mm	900 mm
Max rewinding diameter	900 mm	900 mm
Power supply	380 V triphase 50/60 Hz	380 V triphase 50/60 Hz
Installed power	Around 80 Kw	Around 80 Kw
Working Area	Variable x3.060x1.520mm (LxWxH)	Variable x3.180x1.520 mm (LxWxH)