

HYDEN

M-8350M 8 COLOR DRY OFFSET PRESS For Disposable Plastics Containers

HIGH SPEED

PRECISION BUILD

FINE DOT REPRODUCTION

TESLA ServoCAT 8350 CONTROL SYSTEM



HYDEN

Welcome to the world of spectacular decoration

HYDEN

M-8350M 8 COLOR DRY OFFSET PRESS



HYDEN
PACKAGING P.LTD.

Test Print Test Print Test Print
Test Print Test Print Test Print

PRINTED ON THE M-8350M 8 COLOR PRESS

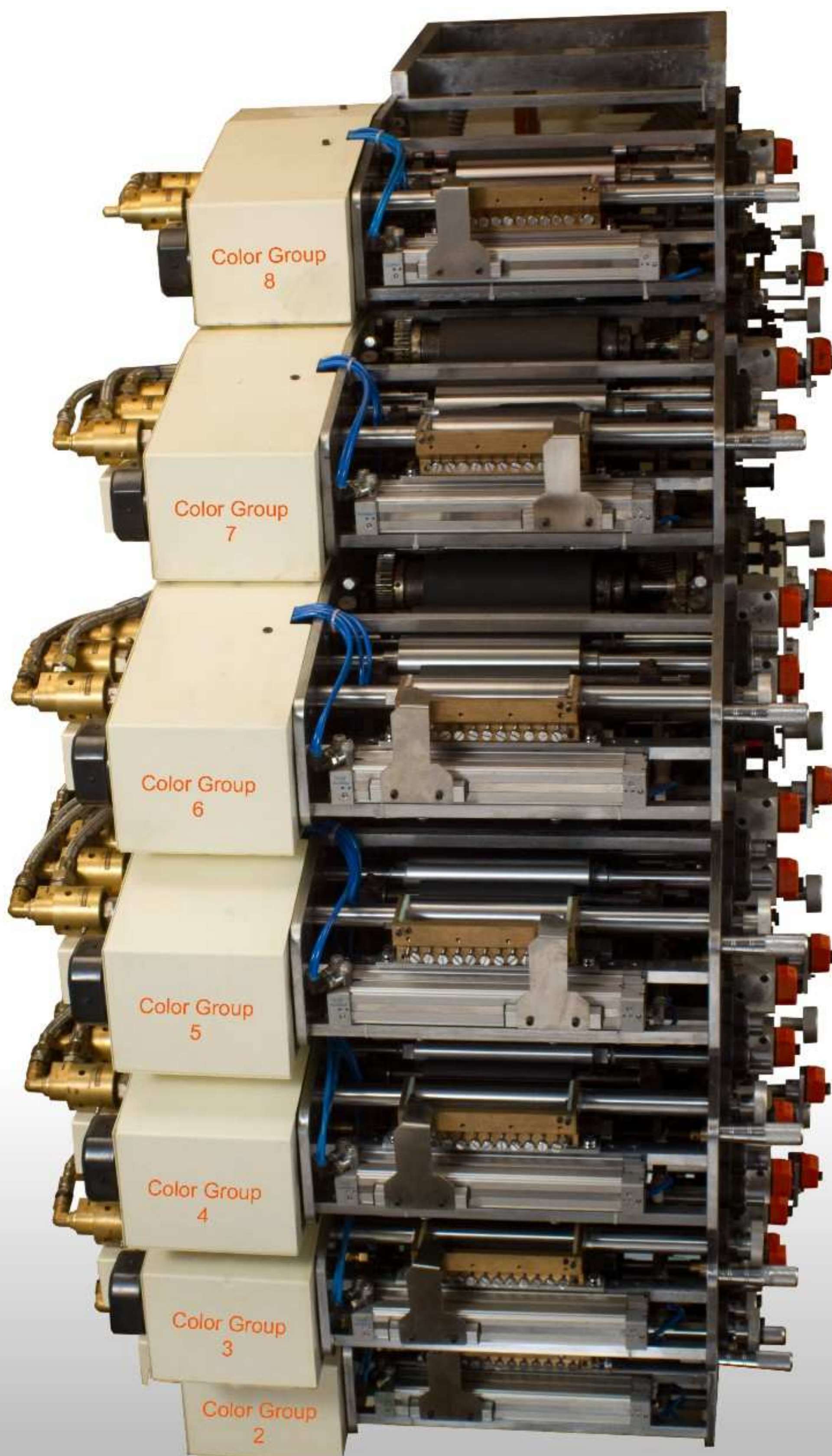
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TESLA ServoCAT 8350 CONTROL SYSTEM

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HYDEN PACKAGING P.LTD.

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The press features water-cooled rollers to maintain ink viscosity

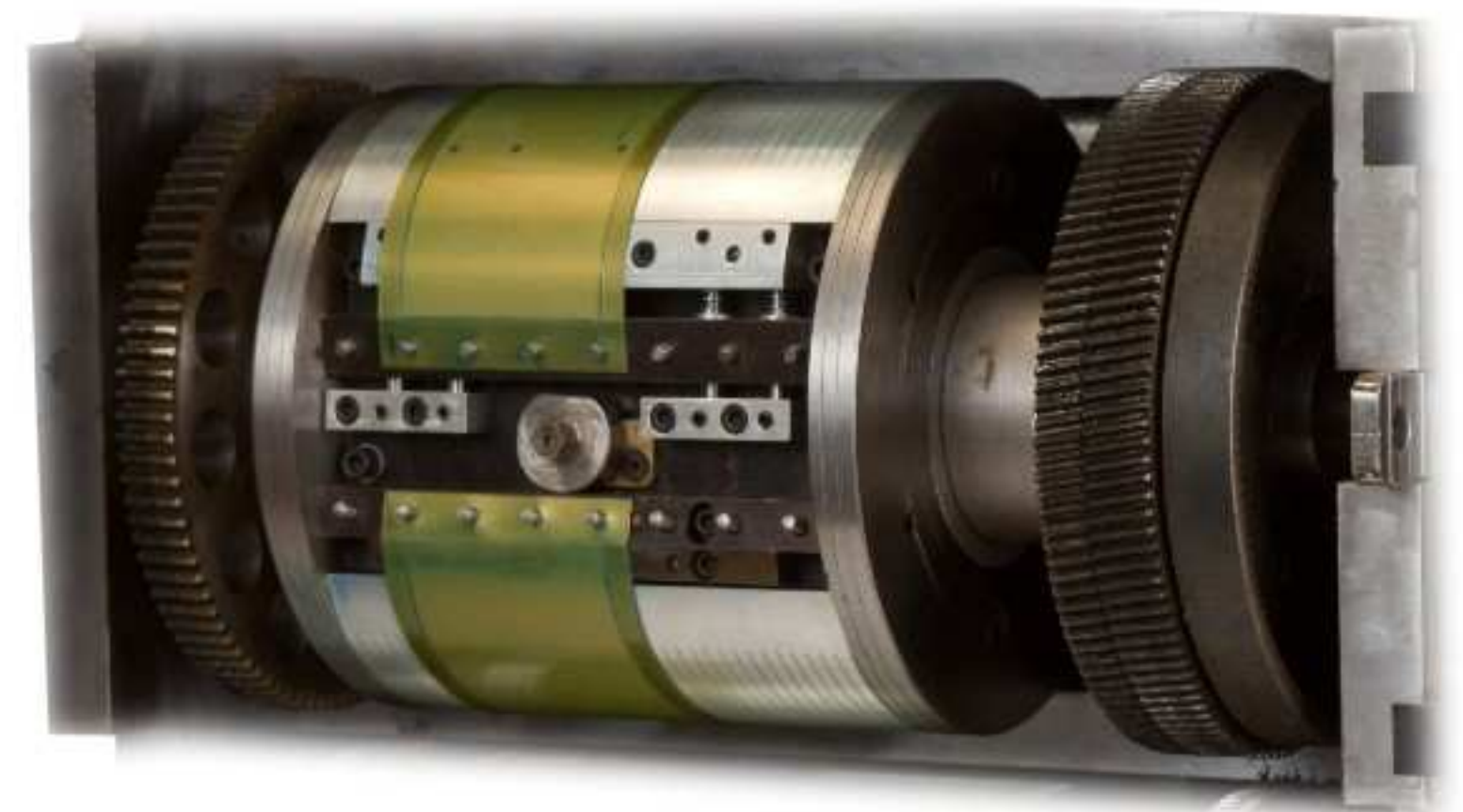
The print cylinders have anti-backlash gearing

Precise pressure adjustment for form roller and plate cylinder contact pressures is available

Dual form rollers deliver ink precisely to the printing plates

The ink ducts are equipped with automatic agitation systems

Ink flow can be adjusted precisely through the machine control



The print cylinders feature a precision Pin-bar mounting system that allows for "First time make-ready" greatly reducing the time required for color registration

The ink-heads feature automatic-wash-up making color changes fast and easy

The press is built up on a sturdy base and is free of vibration throughout its speed range

Cup to printing blanket pressure is precisely adjustable electronically through a single axis Servo controlled slide also featuring mandrel position memory for quick engage and disengage with the blanket and automatic return to the set contact position

8 COLOR DRY OFFSET PRESS



A stack buffer with logic controlled stepping drops stacks of un-printed containers into the press

The re-stacking unit of the press automatically stacks printed cups of pre-determined count and ejects them onto a collection tray for packing

An inspection bypass button allows containers to bypass the stacking process for visual inspection

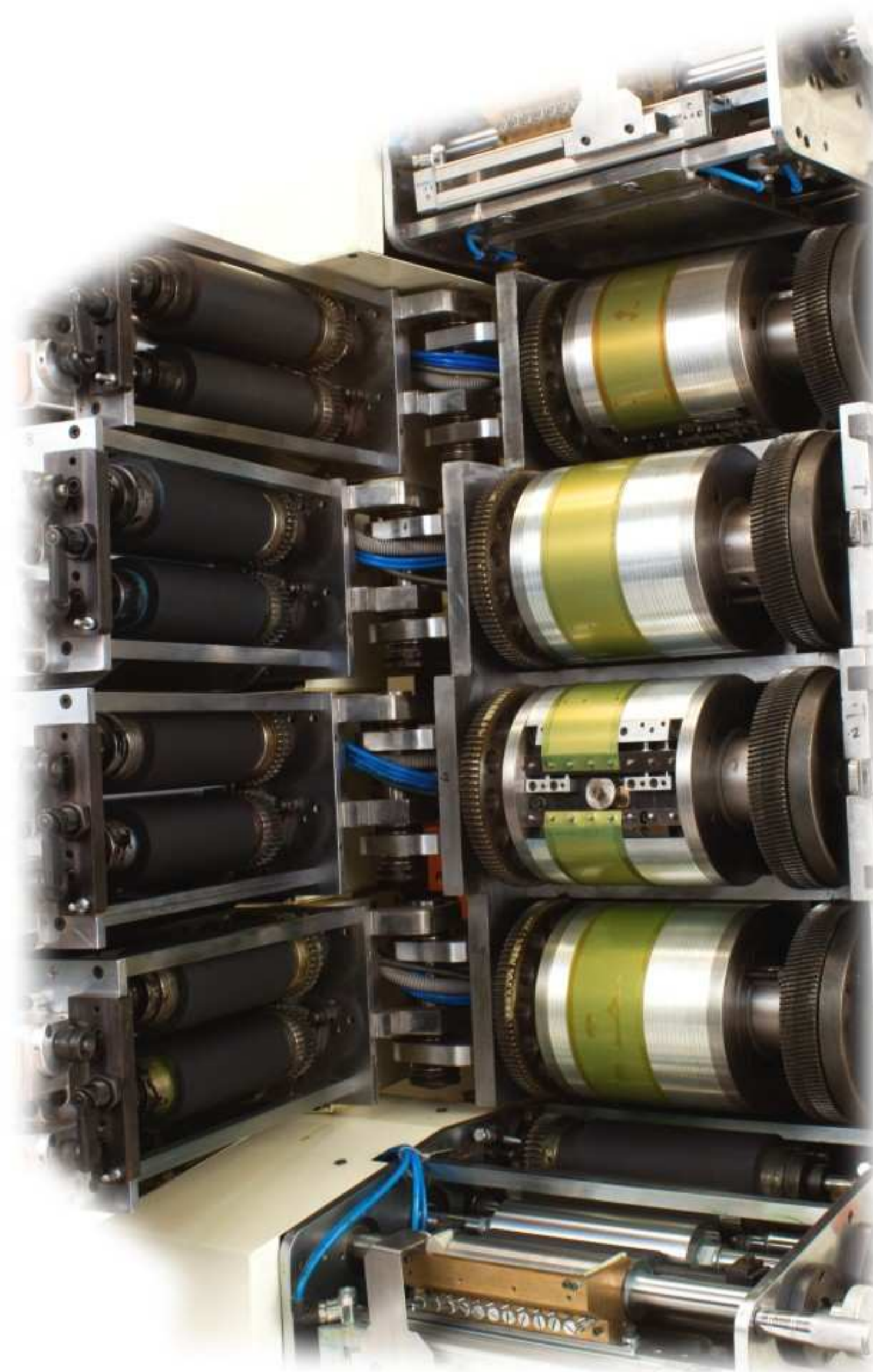
The press construction is sturdy and the base allows for angular compensation to match the taper of the containers to be printed

All color heads have a centralised logic controlled lubrication system with low oil level and zero pressure alerts

Dual form rollers deliver ink precisely to the printing plates

A compact UV OMC system cures printed cups and the irradiator radiation is automatically blocked during UV stand-by

A light-weight quick change turret system reduces the make-ready time for a new product



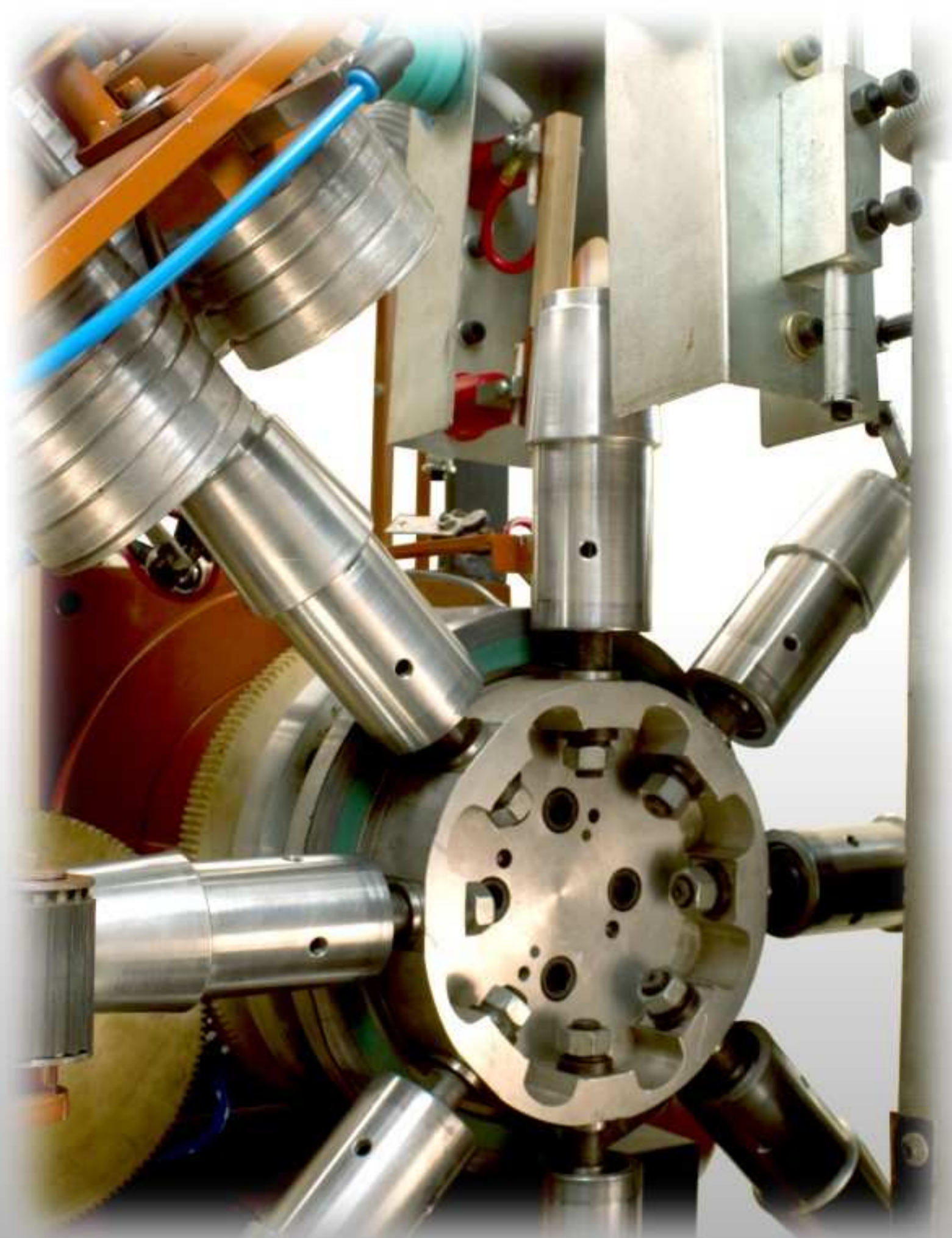
A Servo driven auto-loader with 4 progressive pitch screws separates the stack and feeds the cups onto printing mandrels

Printing mandrels are driven and synchronise with the blanket drum

The printing mandrels also rotate at the UV irradiator and mandrel rotation is monitored by the control system that gives an alarm if any of the mandrels do not rotate sufficiently during irradiation

Corona pre-treatment is available

No-cup No-Print and Double-cup Stop-Print are standard features



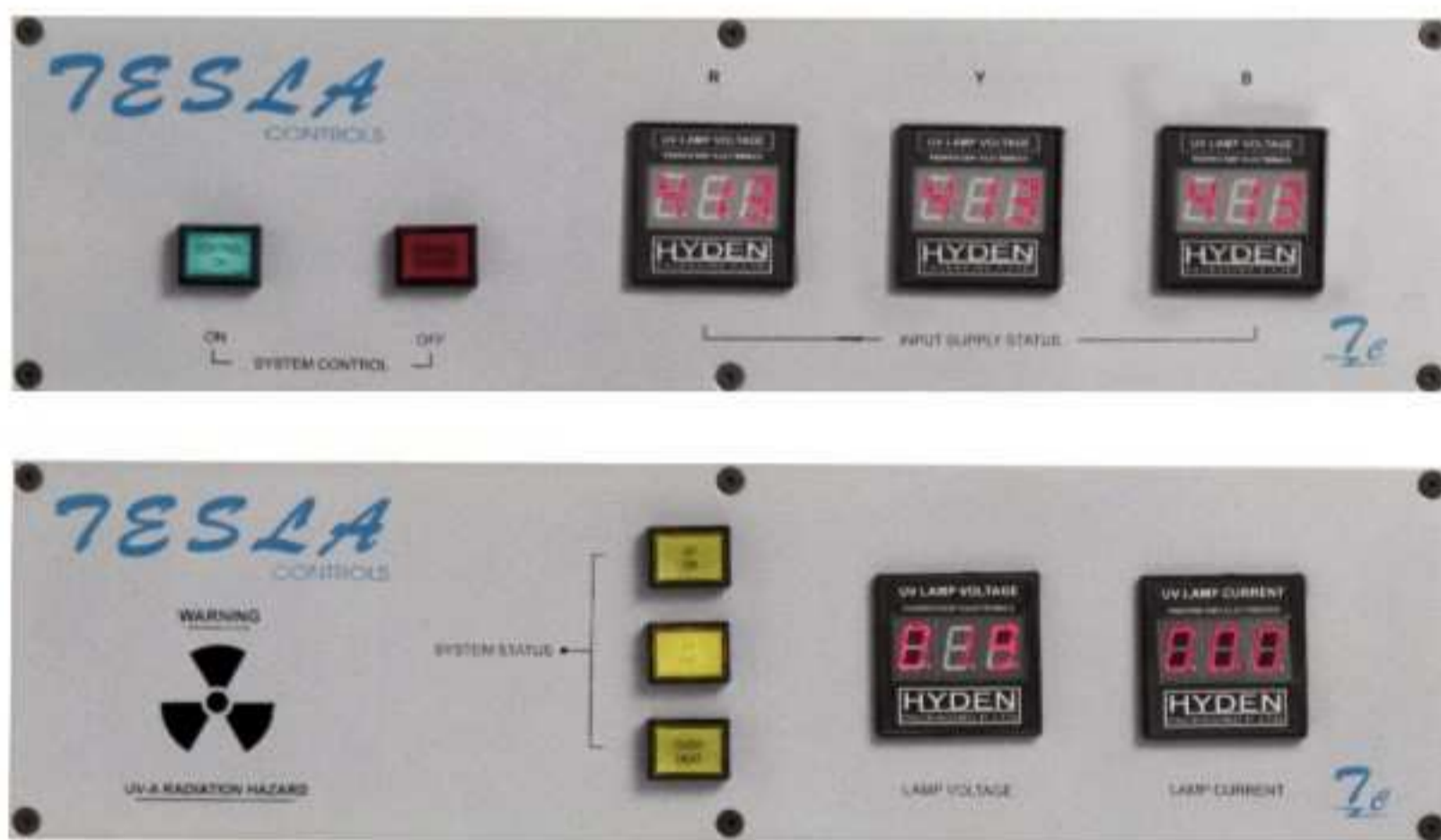
HYDEN Automation Division

All HYDEN presses and machines are equipped with advanced and reliable control systems manufactured by Tesla Controls, the automation division of HYDEN

A dedicated team of experts in electrical, electronic technology and automation software develop control systems and offer quick and comprehensive tech support

TESLA panels are state of art in design, working and aesthetics and are accompanied with elaborate maintenance manuals

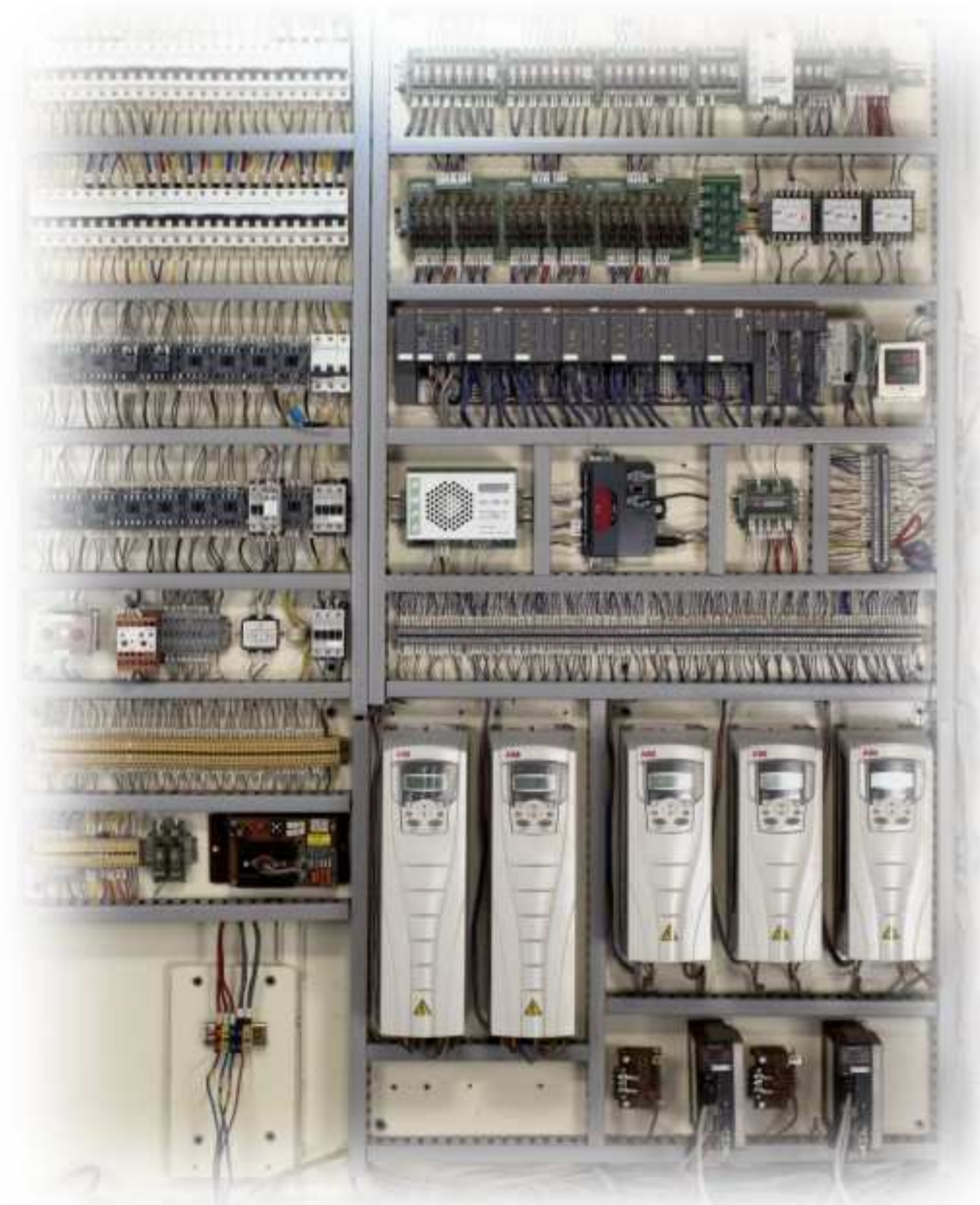
High quality automation products from renowned companies are used in the build



The HYDEN M-8350M press is equipped with the TESLA 8350 ServoCAT control system that manages all the press and auxiliary functions

Individual control has been provided for the print drum, indexing unit and the feeding unit that assists in the make-ready of the press. In operation, all units synchronise and run in precise sync

The PLC and motion controller have been equipped for remote diagnostics and software updating and TESLA engineers have the capability of taking over the control system remotely for diagnostics and repairs



TECH SPECIFICATIONS

M-8350M *Signature Series*

MIN/MAX CUP HEIGHT	-	35/160 mm
MIN/MAX RIM DIAMETER	-	60/145 mm
MAX PRINT WIDTH	-	150 mm
MAX PRINT LENGTH	-	425 mm
MIN/MAX TAPER	-	2/10 degrees
MAX PRESS SPEED	-	350 CPM
POWER UTILITY	-	23 Kw 415V 50 Hz
AIR UTILITY	-	800 Lit/minute @ 8 bar
FOOTPRINT (L/W/H)	-	5000 x 3700 x 3325 mm
WEIGHT	-	7500 Kgs

PRODUCT PORTFOLIO

- 4 Color low-speed dry offset cup decorators
- 4 Color high-speed dry offset cup decorators
- 6 Color high-speed dry offset cup decorators
- 8 Color high-speed dry offset cup decorators
- 4 Color low-speed dry offset tube decorators
- 6 Color high-speed dry offset tube decorators
- Cup stacking systems

Narrow-web label finishing equipment

- High-speed slitter/re-winders + inspection
- Rotary and sem-rotary die cutters