

# RHO 2500 SERIES



THE MODULAR INDUSTRIAL  
PRINTING SOLUTION



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# RHO 2500 — HIGHEST RESOLUTION, MAXIMUM VERSATILITY

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With the introduction of the Rho 2500 Series, an evolution of the Rho 1300 Series, a new standard in resolution and modularity was defined in its class.

The new 8 pl printheads allow higher resolution, finer printing quality and excellent sharpness. The modular system of three different versions enable a flexible printer setup with upgrade possibilities at any time.

**THE RHO 2500 IS EQUIPPED WITH THE  
NEW DURST SOFTWARE SOLUTION**



DURST  
WORKFLOW



DURST  
ANALYTICS

**Productivity**  
up to 1,200 sqm (12,917 sqft)



**Modularity**  
RHO 2500 S/M/L

High resolution

8 pl

Versatility

Variodrop printing technology

New design



Durst software

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# SPECIAL FEATURES

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## VARIODROP PRINTING TECHNOLOGY

The 8 pl drop size printheads allow a high resolution in HR printing mode. With the Variodrop Printing Technology it is possible to print in different resolutions and drop sizes:



### HIGH RESOLUTION (HR)

Resolution:  
1,000 x 800 dpi  
Drop size:  
8 pl

### VOLUME PRODUCTION (VP)

Resolution:  
800 x 600 dpi  
Drop size:  
12 pl

### HIGH SPEED (HS)

Resolution:  
1,000 x 400 dpi  
Drop size:  
12 pl

### SMART 4 PRINTING MODE\*

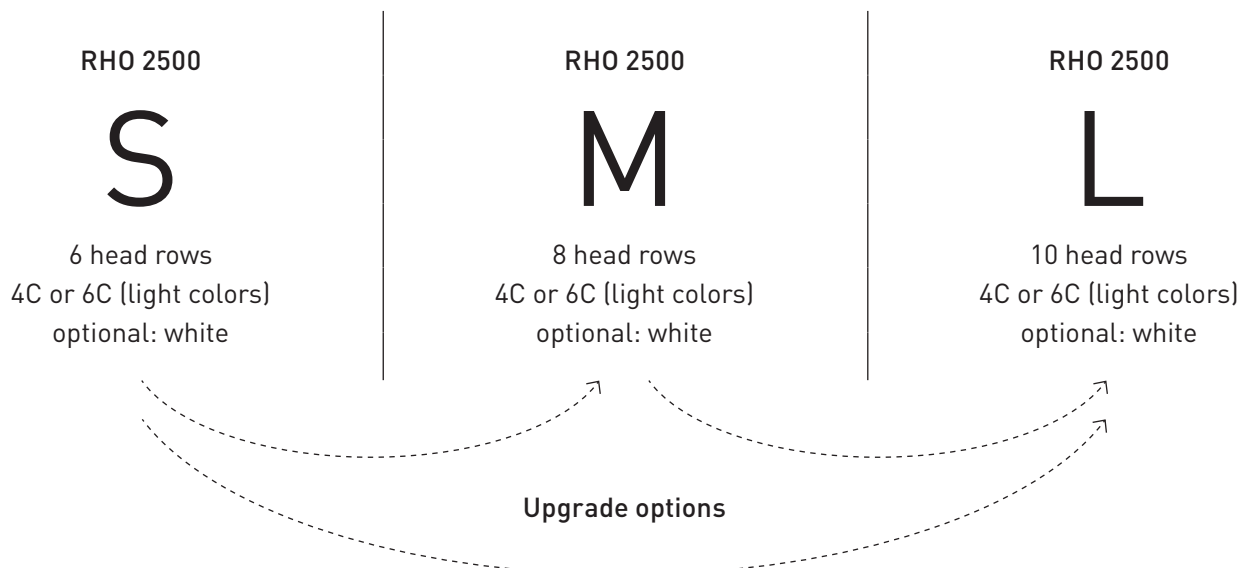
Resolution:  
1,000 x 400 dpi  
Drop size:  
12 pl

\* The Smart 4 printing mode is only available for 6 colors (light colors) printers and will be included in the in the standard configuration.

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## MODULAR SYSTEM WITH UPGRADE OPTION

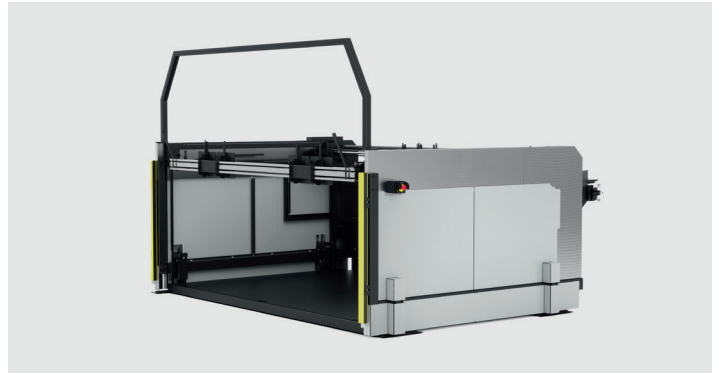
The Rho 2500 is available in three different configurations:  
Small/Medium/Large



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## PERIPHERALS

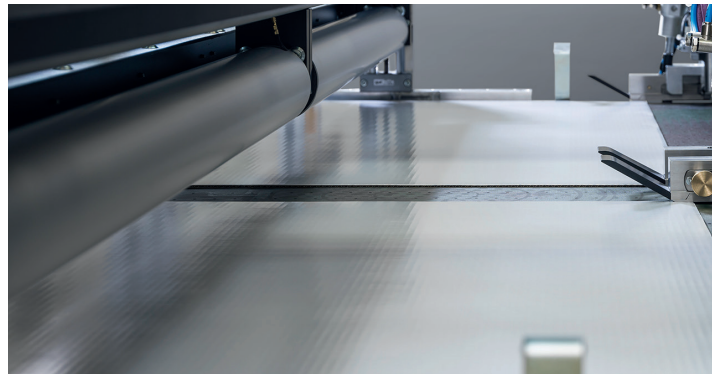
- > Full automation
- > ¾ automation
- > ¾ automation light
- > Heavy Duty Roll 60



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## DUAL TRACK PRINTING

- > Parallel printing of 2 boards. Each up to 120 cm (47 in)
- > No registration table needed
- > Continuous feeding of the boards



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## SAFE INK REFILL IDENTIFICATION SYSTEM

- > Batch scanner
- > Avoiding wrong ink filling
- > Avoiding expired ink filling
- > Expiration ink date alert
- > Ink slot light signals
- > Mechanical refill ink slot lock



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## CONTROL CAMERA

- > External camera to control the outside of the printer while operating on the monitor screen
- > Split screen: Parallel use of different windows/functions on one screen (for example: camera system, internal logistics)



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# TECHNICAL DATA

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## GENERAL SPECIFICATIONS

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### Space requirements:

Width: 8,252 mm (27 ft)  
Length: 3,111 mm (10.2 ft)  
Length with tables: 5,870 mm (19.25 ft)  
Length Full Automation Industrial 210: 10,331 mm (33.9 ft)

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### Weight:

Approx. 9,000 kg (19,840 lb)

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### Safety Standards:

Complies with current CE guideline

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## PRINTING SPECIFICATIONS

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### Printing system:

UV flatbed printing with Quadro Array technology

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### Resolution:

Up to 1,000 DPI

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### Drop size modulation:

Variodrop Technology

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### Productivity:

Continuous board printing over the full printing width of 250 cm (98 in):  
Rho 2500 L 6C: Up to 1,200 m<sup>2</sup>/h (12,916 sq ft/h)  
Up to 380 boards per hour (board size 244 x 122cm)  
Rho 2500 M 6C: Up to 980 m<sup>2</sup>/h (10,548 sq ft/h)  
Up to 255 boards per hour (board size 244 x 122cm)  
Rho 2500 S 6C: Up to 710 m<sup>2</sup>/h (7,642 sq ft/h)  
Up to 195 boards per hour (board size 244 x 122cm)

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### Colors:

Standard: CMYK  
Optional: Light Cyan, Light Magenta, White\*  
Upgrade option: White\*, Light Cyan/ Light Magenta  
Upgrade option from S to M to L

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### Inks:

RHO POP HS, RHO POP FLEXIBLE, Other ink types on request

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### Software:

Standard: Durst Printer Software, Durst Workflow & Durst Analytics  
Optional: Color-White-Color, Spot Gloss, Option Media Thickness  
70 mm (2,75 in), Dual Track, Autospooling

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## MEDIA SPECIFICATIONS

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### Maximum printing width:

Up to 250 cm (98 in), media dependent

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### Maximum thickness:

Standard 40 mm (1.57 in)  
Optional 70 mm (2.75 in)

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### Media weight:

Up to 50 kg (110 lb)

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### Minimum board size:

DIN-A3 – 29.7 x 42 cm (12 x 17 in)

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### Options for optimized material handling:

Full or ¾ automation, for single and dual track printing, HDR60 for printing rolls with a diameter of up to 60 cm (23.6 in) and up to 600 kg (1,322 lb) in double-sided roll printing, automated corrugated printing option for single and dual track

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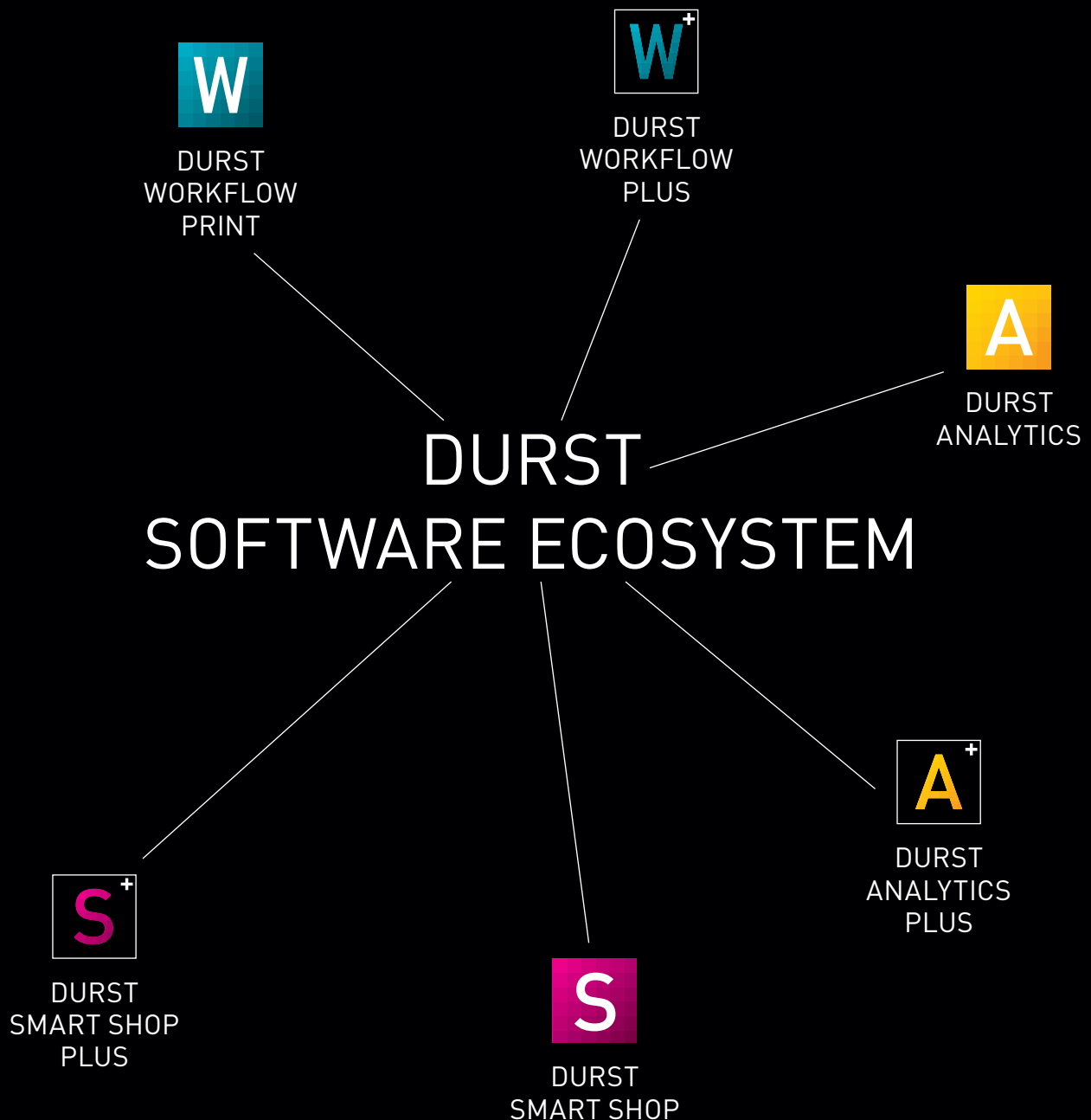
\* The White Printing Option allows to print white as underprint or overprint layer with the process colors in one process.  
In combination with the Color-White-Color-Software license it allows to print white as interlayer for day and night applications.

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# DURST SOFTWARE SOLUTIONS

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Durst Professional Services offers intelligent and simple software solutions to optimize the process 'From Pixel to Output'. The solutions which are specially tailored to digital printing — from initial file creation through prepress to production and final analysis — are modular and can be flexibly adapted to the needs of the customer — from a simple stand-alone solution to a fully integrated system. Additional information is available at [durst-group.com/dps](http://durst-group.com/dps)



durst-group.com/uvseries

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