RHO 2500 SERIES

THE MODULAR INDUSTRIAL PRINTING SOLUTION
RHO 2500 — HIGHEST RESOLUTION, MAXIMUM VERSATILITY

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

Productivity
up to 1,200 sq m (12,917 sq ft)

Modularity
RHO 2500 S/M/L

W W+ A A+
DURST WORKFLOW DURST ANALYTICS
High resolution
8 pl

Versatility
Varidrop printing technology

New design

Durst software
SPECIAL FEATURES

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 standard configuration.

MODULAR SYSTEM WITH UPGRADE OPTION

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

- **RHO 2500 S**
  - 6 head rows
  - 4C or 6C (light colors)
  - optional: white

- **RHO 2500 M**
  - 8 head rows
  - 4C or 6C (light colors)
  - optional: white

- **RHO 2500 L**
  - 10 head rows
  - 4C or 6C (light colors)
  - optional: white

Upgrade options
PERIPHERALS

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

DUAL TRACK PRINTING

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

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

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)
## TECHNICAL DATA

### GENERAL SPECIFICATIONS

**Space requirements:**
- Width: 8,252 cm (3,249 in)
- Length: 3,111 cm (1,225 in)
- Length with tables: 5,870 cm (2,310 in)
- Length Full Automation Industrial 210: 10,331 cm (4,067 in)

**Weight:**
- Approx. 9,000 kg (19,800 lb)

**Safety Standards:**
- Complies with current CE guideline

### MEDIA SPECIFICATIONS

**Maximum printing width:**
- Up to 250 cm (98 in), media dependent

**Maximum thickness:**
- Standard 40 mm (1.57 in)
- Optional 70 mm (2.75 in)

**Media weight:**
- Up to 50 kg (110 lb)

**Minimum board size:**
- DIN-A3 – 29.7 x 42 cm (12 x 17 in)

**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

### PRINTING SPECIFICATIONS

**Printing system:**
- UV flatbed printing with Quadro Array technology

**Resolution:**
- Up to 1,000 DPI

**Drop size modulation:**
- Variodrop Technology

**Productivity:**
- Continuous board printing over the full printing width of 250 cm (98 in):
  - Rho 2500 L 6C: Up to 1,200 m²/h (12,916 sq ft/h)
  - Rho 2500 M 6C: Up to 980 m²/h (10,548 sq ft/h)
  - Rho 2500 S 6C: Up to 710 m²/h (7,642 sq ft/h)

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

**Inks:**
- RHO POP HS, RHO POP FLEXIBLE, Other ink types on request

**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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* 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.
DURST SOFTWARE SOLUTIONS

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
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