

P5™

EN



FLATBED

P5 X — The flatbed printer that elevates your creativity.



For more information,
please visit

durst-group.com/flatbed



DURST UV-LED
TECHNOLOGY



DURST SPECIAL
EFFECTS

durst

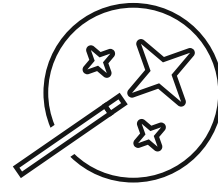
P5 X

The versatile flatbed printing system for a wide range of board and roll applications.

The P5 X is a versatile flatbed and roll-to-roll printer, designed for maximum efficiency and flexibility. With 10 color channels, including white and varnish for special effects, it offers ergonomic handling and advanced LED low-energy technology.

Key features include twin printing, reverse printing, and multitrack capability for up to 12 independent queues, ensuring a seamless workflow. A 12-zone vacuum table, magnetic linear drivers, and precise media registration guarantee high-precision printing with vivid colors, smooth gradients, and sharp details. The system also enables Durst Relief printing up to 2 or 5 mm, allowing enhanced tactile and high-build applications.

In addition, extended production safety is ensured through the optional substrate height measurement, which precisely measures board thickness across the full surface to prevent printhead crashes caused by strongly bent boards and to reduce waste due to media surface irregularities.



DURST SPECIAL EFFECTS

**Single
& dual
roll**

for non-stop
printing

**Twin
printing
mode**

to boost
production

≥ 2 pt

text
sharpness

10

color
channels

Software



DURST
WORKFLOW



DURST
ANALYTICS

KEY FEATURES

HIGH PRECISION

- > 12 selectable vacuum zones
- > Magnetic linear motors drivers
- > Pins media registration



QUALITY

- > Sharp text and fine details
- > Color consistency
- > Smooth gradients

VERSATILITY

- > Single and dual roll printing
- > 10 color channels
- > Special applications
- > Multi size formats
- > 12 independent printing queues

EFFICIENCY

- > LED low energy consumption
- > Reverse printing mode
- > Multitrack
- > Stop & Go resuming print after stop
- > Roll media optimization

USABILITY

- > Multifunctional LED status bars
- > LED boards registration bars
- > Ergonomic handling
- > Light barriers for safe work environment
- > Carriage crash sensors

CONFIGURATIONS & TECHNICAL DATA

There are two models available: the P5 X and the P5 X HV (High Vacuum). The P5 X HV features up to 80 % stronger vacuum power compared to the P5 X, ensuring even greater

suction capacity for challenging and strongly bent media. Both models are available as flatbed or hybrid version.

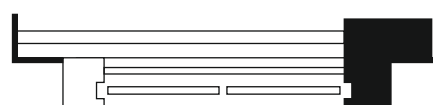
P5 X/HV FLATBED

For boards



P5 X/HV HYBRID

For boards and roll-to-roll



GENERAL TECHNICAL DATA

Max. printing speed

160 m²/h (1,722 sq.ft/h)

Max. media width Board

3,250 mm x 2,150 mm (127.95 x 84.6 in)

Single roll

3,200 mm (126 in)

Dual roll

(side by side) 1,600 mm (63 in)

Resolution

700 x 1,200 dpi, 900 x 1,200 dpi, 650 x 1,200 dpi

Dropsize

7pl

Color channels

up to 10

Standard colors

Cyan, Magenta, Yellow, Black

Additional colors

Light Cyan, Light Magenta, Light Black, Orange, Violet,
Fluo Glow Pink, Fluo Glow Yellow, White, Varnish, Primer

Max. board thickness

70 mm (2.76 in)

Max. roll weight (lower & upper each)

300 kg

Max. roll diameter

350 mm (13.8 in)