

Tau 330 E

The Economic Digital UV Inkjet Narrow Web Label Press



The new Tau 330 E is Durst's budget-priced entry level digital label printing press that has been engineered with particular attention to equipment cost while maintaining print quality and printing speed of the market proven Tau 330, allowing small & medium sized converter companies to enter into digital label production.

The Tau 330 E can be configured with print widths of 200 mm or 330 mm and with 4 colors (CMYK) or 5 colors (CMYK + W). It provides a print speed of up to 48 linear meters/min (157 ft./min) and the choice of two print resolutions: the standard print mode at 720x360 dpi and the HD print mode at 720 x 1260 dpi.

Look at the Tau 330 E Digital UV Inkjet Press and explore its unique possibilities to extend your services by delivering high quality short and medium run print jobs. Ideal application areas include industrial type labels, durable electronics and automotive labels, paint, specialty food & beverage, body & health care, household chemical, DIY, ... and many more.

Tau 330 E offers a choice of 3 ink sets:

- Industrial ink set – for digital screen look and feel
- High pigmented Label ink set with reduced ink laydown – for flexo-like look and feel
- Low Migration ink set – for compliance with pharma and food industry standards

Tau 330 E is therefore the perfect solution for a market entry into digital production that provides a transparent Total cost of Ownership.

Technical Data

Printing technology:

Single-Pass UV Inkjet Technology (drop on demand + variable drop size) with Xaar 1002 hybrid side shooter grayscale print head technology.

Ink colors:

High pigmented UV ink, Standard UV Inks and Low Migration UV Inks available.
Colors: CMYK, optional White.

Image quality:

Standard Print Resolution: 720 x 360 dpi (DOD)
High Definition Print Resolution: 720 x 1260 dpi (binary)

Printing speed at full color:

Standard Print Mode: up to 48 lin. m/min,
(157,2 lin. Ft./min)
HD Print Mode : 37-40 lin. m/min, (121,5 lin. Ft./min)

Production capacity:

Standard Print Mode: Up to 950 m² (10.225 ft²)
per hour
HD Print Mode: Up to 730 m² (7.870 ft²) per hour

Print width:

Tau 330 = max. 33 cm (13 in.)
Tau 330/200 = max. 20 cm (7,9 in.)

Roll width:

16,5-35 cm (6,5-13,7 in.)

Substrate thickness:

Standard label stock: 100-500 micron

Substrate type:

Coated & uncoated paper, white or transparent film
PP, PE, PVC, POPP, PET

Substrate input/output system:

Base configuration: Roll-to-roll. Roll diameter max.
68 cm (25 in.) Core diameter 7,6 cm (3 in.),
Weight max. 120 kg
With optional jumbo un/rewinder max. roll diameter:
100 cm (39,37 in.), core diameter 7,6 cm,
max. weight 240 kg

UV Curing:

2 x 7,5 UV lamps

Corona treatment:

Optional (in-line)

Web Cleaning:

Optional (in-line) single and/or dual side

Front-End:

User interface via monitor, keyboard and mouse

Operating system:

Microsoft® Windows Server

RIP and Color Management:

Durst Imaging Engine with integrated substrate profiling software. Upgradable with various software modules like VDP, In costing via mobile/tablets, MIS connectivity, and more.

Video Inspection:

Prepared space for system integration of 3rd party devices

Service & support:

- Remote diagnostics
- Full coverage with optional service contracts

Warranty:

12 months from date of installation on parts, extendable with optional service contracts

Safety standards:

Complies with current standard safety regulations

Power supply:

EU: 230/400 VAC, 3 Phase + N + PE, 50/60Hz, +/-10%
NA: 3x208VAC, 3 phase 3 wire - 50/60 cycles, +/-10%

Power consumption:

EU: 39 KVA 60 A
NA: 40 KVA 110 A

Dimensions (W x D x H):

455 x 175 x 220 cm (179 x 69 x 87 in.)
Machine dimensions including external un/rewinder units: 845 x 175 x 220 cm (337 x 69 x 87 in.)

Weight:

4.000 Kg (6.614 lbs)
Weight of jumbo un/rewinder: each 800 kg (1.322 lbs)

Temperature:

18-28 °C (64-82 °F)

Humidity:

40% - 70% non condensing



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