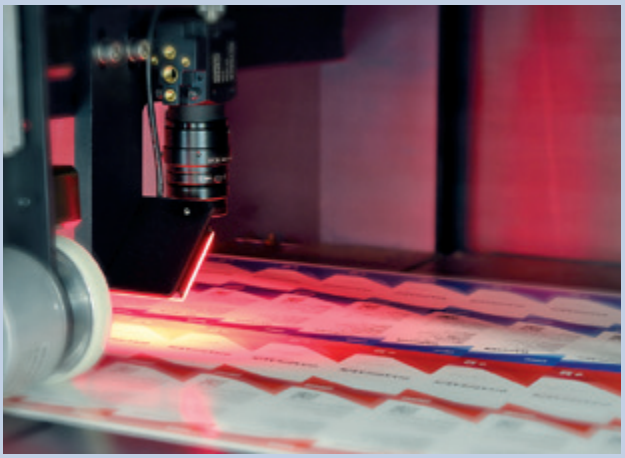
EN

LFS 330
Laser Finishing System



Durst LFS 330 is a new in-line digital laser finishing system for the Tau 330 UV inkjet label press that incorporates state of the art laser die cutting technology from Spartanics, with a powerful 1000 watt laser for highest productivity and automatic job changeover to handle multiple jobs in a single pass. While providing a complete digital end-to-end workflow, the complete Tau 330 and LFS 330 in-line system ensures highest productivity as well as superior print and cut quality on a wide range of substrates.

The die files are generated automatically by the Tau DFE pre-press software and downloaded simultaneously with the files for printing directly to the Laser Finishing System. An automatically generated barcode is printed by the Tau 330 label press with every job and read by the LFS 330 finishing system to retrieve the correct die file data when needed to start die cutting the appropriate job. After die cutting, matrix removal/rewind takes place and the finished product is transported over an inspection table for final quality control, where after the printed and finished product is rewound. For a complete finishing process, optional UV coating, lamination and slitting can be added to the system.

Technical Data

Transport Speed:
up to 100 m/min

Run Position:
on center of press

Material Width:
165-350 mm

Material Thickness:
100-500 µm single and multi-layer

Materials:
paper, films, polyester, polycarbonates, metalized material

Unwind Roll Diameter:
640 mm

Rewind Roll Diameter:
640 mm

Cutting Area:
350 x 350 mm

Cutting Length:
4 m

Cutting Capabilities:
kiss, through, perforate, engrave, mark, score

Laser Type:
Sealed CO2

Laser Spot Size:
210 µm or smaller

Laser Power:
1000 Watts or alternatively 450 Watt

Cooling:
Chiller unit/water

Laser Throughput Speed:
Material dependent, synchronized with Tau press up to 48 m/min

Life of laser:
12,000 – 15,000 hours

Registration System:
process, cross process

Process Registration:
± 200 µm

Cross Process Registration:
± 200 µm

Tension Range:
5-150 N

Extraction System:
Requires exhaust connection

User Interface:
Touch screen

Languages of user interface:
English, German, Italian, French, Spanish

Workflow:
fully automated workflow

Remote Diagnostics:
via secured third party software

Laser System Dimensions:
3.700 mm long, 1.780 mm wide, 2.000 mm high

Complete System Dimensions (including Tau 330):
9.120 mm long, 1.780 mm wide, 2.200 mm high

Power Requirement:
230/400 VAC (±10%) 3 Phase +N 50 Hz

Environment
Temperature 18-28 °C,
humidity 40-70 % non-condensing

Warranty:
one year from date of installation

Safety Regulations:
CE Approved

durst

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The latest technical developments are constantly being incorporated into Durst products. Descriptions, illustrations and specifications are therefore subject to change without notice.

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