



# Tau 150i

## Digital UV Inkjet High Speed - Narrow Web Flooring Decoration Press

To produce innovative flooring products in an age where designs and market trends are constantly changing are big challenges for the manufacturing companies of this industry. With a market that is demanding faster turnaround times, shorter runs of only a few hundred linear meters, a digital printing process will become essential. Manufacturing companies need production machinery that offers more flexibility in the decorating process to minimize inventories and at the same time drive their costs down.



The Durst Tau 150i is an industrial-scale high speed direct digital press for printing on substrates that are used in the flooring decoration industry in widths up to 14 cm, offering significant economic benefits as well as superior design advantages over traditional methods.

Compared to the limitations of conventional decoration techniques this new, no-touch, digital printing technology offers unlimited image variations, no setup costs thus ideal for short run print jobs, far superior image quality, definition and dynamic range. It prints onto various substrates and with just 4 colors all colors and shades are reproduced.

Tau 150i with its streamlined digital workflow and outstanding printing speed will be the right choice for you to face the economic challenges and new service requirements of the current and future market trends.

#### The benefits in short

- High Speed Digital Printing for high productivity
- Ultimate design flexibility (image & text)
- Drastically reduced setup time and costs
- Economical printing of short runs – mass customisation
- Lower production costs
- Reduced inventory and storage space
- Higher margins



# Technical Data

## Printing technology:

Single-Pass UV Inkjet Technology (drop on demand + variable drop size 6-42 pl) with Xaar 1001 hybrid side shooter grayscale print head technology.

## Ink colors/printing modes:

4 colors CMYK or 5 colors + White.

## Image quality:

720x360 dpi (8 levels grayscale technology = approx. 1000 dpi apparent resolution)

## Printing speed at full color:

- 48 lin. m/min, 157,2 lin. Ft. per min
- 2.880 lin. meters per hour, 9.432 lin. Ft. per hour
- 23.040 m, 75.456 lin. Ft per 8h shift

## Image size:

Image width = max. 14 cm (5.5 in.)

## Web width:

10-16,5 cm (4-6,5 in.)

## Substrate thickness:

0,1 - 0,3 mm

## Substrate type:

Coated & uncoated decor paper

## Substrate input system:

Roll-to-roll. Roll diameter max. 61 cm (24 in.)  
Core diameter 7,6 cm (3 in.)

## Substrate output system:

Print to rewind

## Front-End:

Touch screen user interface

## Operating system:

Microsoft® Windows XP® Professional

## RIP Station:

RIP software and built-in Color Management.

## 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:

CE, complies with current standard safety regulations

## Power supply:

400 VAC +/- 10%, 3 phase 50-60 Hz, 32 Amp.

## Power consumption:

20 KW

## Air Pressure:

6 AT - Volume: 100 litres/min.

## Dimensions:

252 cm (8.2 ft) in width  
199 cm (6.5 ft) in depth  
210 cm (6.8 ft) in height

## Space requirements:

4 x 4 m (12 x 12 ft)

## Weight:

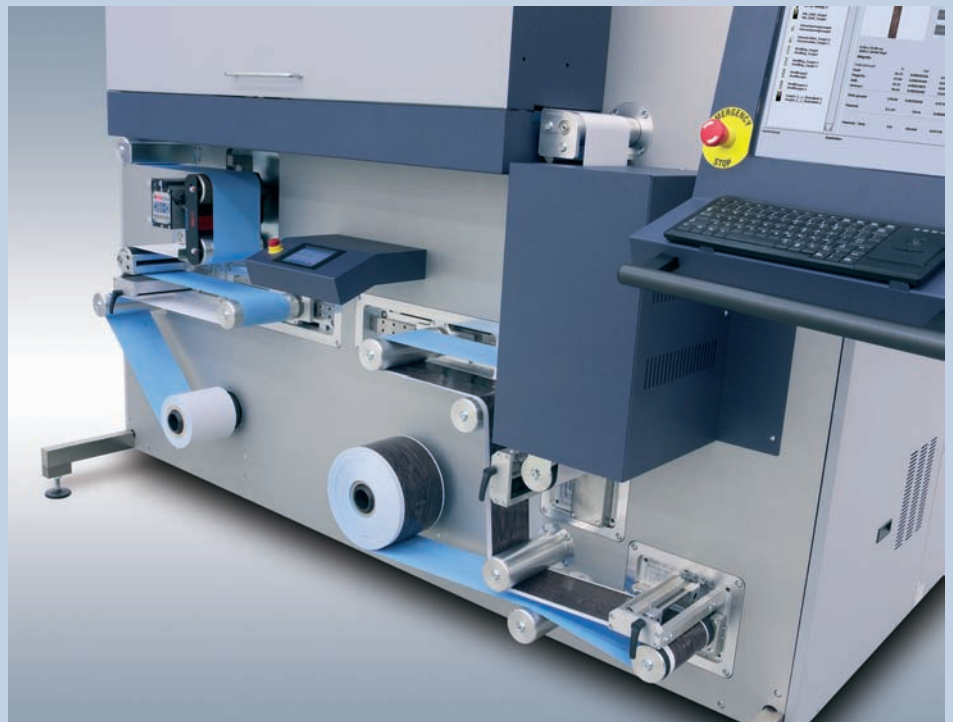
Approximately 1,800 Kg (3,960 lbs)

## Temperature range:

+15 °C to +30 °C (65 to 86 °F)

## Relative air humidity:

30 to 80%, non condensing



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