

Theta 50



High Speed Digital Laser Lab.

Durst Theta 50 is a fully digital lab system based on laser technology, designed for heavy duty, continuous production in portrait&social, wedding and commercial labs. Theta 50 consists of a high speed laser imager with dual paper cassettes and a linked RA4 paper processor.

All-in-one solution for print sizes up to 50.8x76 cm/20x30 in.

The unique size flexibility does no longer require to split the orders for outputting them on different printers, because of different print sizes involved. With the Durst Theta 50 all print sizes from icons or wallets up to 50.8 cm/20 in. wide of one order can be printed on the same device. This guarantees a 100% perfect match in color and density of all prints and results in shorter turnaround times and reduced production costs. Additionally, Theta 50 can print panels up to a maximum length of 15 ft (5 m).

Production capacity: close to 1000 prints 20x25cm/8x10 in. per hour

The system features an outstanding production capacity of close to 1000 prints 20x25 cm/8x10 in. per hour at full speed printing on the largest media, equal to over 60 m²/hour. At the same time the Durst Autocutter Barcode information (Patents pending) is printed for a fully automatic and

unattended cutting of the prints with the Durst Autocutter 32 and 62 series. With format matched media the production capacity is still close to 600 prints 20x25 cm (8x10") ready to ship.

Dual paper cassettes for fast printing of mixed orders with minimum paper waste

A dual-paper cassette system allow a very fast media access, without the need to load or unload it each time. This allows a much easier handling of mixed size orders or jobs to be printed on different media (reflective or backlit).

Dual auto-switchable printing resolution of 200 and 400 PPI

For highest image quality, Durst Theta 50 features a dual, auto-switchable resolution of 200 and 400 full continuous tone pixel per inch (ppi) with on-the-fly pixel interpolation. (Equal to an apparent resolution of 4000 dpi) Image sizing and image corrections are carried out on-the-fly without involving additional computing time.

Durst Autonesting software and Multiple Print Mode for optimum productivity and media use

Theta 50 can produce panels with a maximum length of 15 ft (5 m). For an optimum productivity and media use the unique Durst Autonesting software allows to print different images and/or different print sizes side-by-side on the largest media. At the same time the Durst Autocutter Barcode information (Patents pending) is printed for a fully automatic and unattended cutting of the prints with the Durst Autocutter 32 and 62 series.

Durst ASCII file support for fully automated workflow with open architecture

Theta 50 is equipped with the Durst Autospooling software for ASCII files. Image files are thereby automatically picked up from any network-connected server (windows 95, 98, NT or UNIX) or from the Durst Sigma film scanner, preset corrections are automatically applied to each job, where after the job files

are automatically transferred to the queue manager of the laser imager and are then printed and processed on the selected media.

Powerful workstation with high performance PS Level 3 RIP

Theta 50 features a powerful Compaq XP1000/667 Mhz workstation with Compaq Tru64 (Digital UNIX) operating system and integrated, high performance PostScript 3 RIP by Durst Dice America.

High speed RA4 paper processor

Theta 50 is equipped with a high speed roller-transport RA4 paper processor, running at a speed of 150 m/hour, equipped with automatic and workload adjusted replenishment, temperature control and an efficient IR-drier.

Technical specifications

<p>1.0 LASER IMAGER</p> <p>Printing technology: RGB Laser</p> <p>Linear output speed: 207 cm/min. (81,4 in./min)</p> <p>Resolution: auto-switchable 200/400 PPI</p> <p>Media feed: Dual-Paper cassettes Max. 175 m/530 Ft</p> <p>Suitable media: Reflective and backlit</p> <p>Print sizes (cut</p>	<p>Interfaces: Ultra wide SCSI Ethernet AUI Port DEC 423 interface RS232 (for densitometer online operation)</p> <hr/> <p>2.0 PAPER PROCESSOR</p> <p>Tank volume: Dev. = 2x20 L Bx. = 2x20 L Wash = 3x30 L</p> <p>Transport system: Roller Transport</p> <p>Speed: 150 m/h, 454 Ft/h</p> <p>Agitation: Via circulation pumps and external chemistry filters</p>
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sheets from roll media):

min. 13x18
cm/5x7 in. max.
50x75 cm/20x30
in.
panels up to 5
m/15 ft.

Production capacity with 50 cm/20" media width:

approx. 63
m²/hour

Production capacity/hour with max. media width 50 cm/20", printing on panels in Multiple-Print or Auto-Nesting mode:

10x15 cm = 2.890
13x18 cm = 1.800
20x25 cm = 948
50x75 cm = 163

Production capacity/hour with format matched roll media:

13x18 cm = 920
20x25 cm = 590
50x75 cm = 163

Workstation:

Compaq UNIX
Workstation

Operating system:

UNIX

RAM:**Wash:**

Plumbed or non-plumbed

Replenishment:

Automatic, proportional and utilization adjusted

Drier:

High efficient, work-load adjusted IR drier

3.0 GENEREL SPECIFICATIONS**Power supply:**

208 VAC ± 10%, 3
phase/60 Hz
230/400 VAC ± 10%, 3
phase + N/50 Hz

Power consumption:

12 KVA

Dimension:

Length = 412 cm
Width = 143 cm
Height = 188 cm

Safety and standard specifications:

CE, GS, UL, CSA

256 MB

Hard disc:

9+9 GB internal
hard disk

File formats:

TIFF, JPEG, PPM
PS-Level 3

RIP:

integrated
Cheetah RIP from
Durst Dice
America

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