



durst

The perfect solution for productive imaging



Since 1936, Durst has been at the forefront of the design and manufacture of quality systems used in high end image reproduction. Today Durst is proud to present the largest portfolio of input and output solutions in the photographic imaging marketplace. From our Sigma high speed film scanners, to our Theta Multi Format Lab Systems, and everything in between – Durst has the right solution to make your imaging center more productive, and more profitable than ever before.

Leaders in Imaging Solutions since 1936

Sigma 67 Sigma Plus Lambda Epsilon Plus Theta 76 Theta 50/51 Zeta

Sigma

High Speed Film Scanners



Sigma 67

Sigma 67

The latest addition to the Durst scanner range, the Sigma 67 is the most complete film scanner of its kind with automatic film transport automatic image defect removal and intelligent, quality-enhancing image analysis.

- Competitively priced
- Captures 75Mb in 15 seconds, 2Mb in 2 seconds
- Digital ICE for Dust/Scratch retouching

Sigma Plus

Is one of the fastest professional high speed film scanners because of its automatic film transport, high-resolution line sensor and intelligent, quality-enhancing software.

- Handles all negative and positive material in roll and single cut frames up to 4x5 film
- Captures 322Mb in 30 seconds, or 30Mb in 7 seconds

Sigma 67 Technical Data

File Format:

135, 4.5 x 6 cm, 6 x 7 cm

Film Handling:

- Auto film transport combined with format dependent, exchangeable tensioning masks
- Automatic film frame recognition

Film Types:

Color and B/W negatives, slides, and transparencies

File formats:

TIFF, JPEG, BMP, PPM, Raw

Dust/Scratch retouching:

Digital Ice software

Image Analysis:

Durst i2e, single negative channel analysis
Optional Fuji Film Image Intelligence™

Sigma Plus Technical Data

File Format:

APS, 135, 46mm, 70mm, 120, 9 x 12 cm, 4 x 5 in

Film Handling:

- Manual for 4 x 5 in sheet films and single cut frames
- Universal auto film carrier for APS, 135, and 120/220, film strips and uncut rolls of film
- Available slide stacker for mounted 35mm slides

Film Types:

Color and B/W negatives, slides, and transparencies

File formats:

TIFF, JPEG, BMP, PPM, Raw

Dust/Scratch retouching:

Integrated flow of compressed air applied to film and Digital Ice software

Image Analysis:

Optional Fuji Film Image Intelligence™

Lambda HS

The Benchmark in Digital Photographic Output, now even faster.



Lambda HS (High Speed) is a medium/large format photographic printer based on RGB laser technology for the printing of digital images on photographic paper and photographic film. Long known in the industry as the benchmark of digital imaging, Lambda HS is now even faster! Available in single and five paper turret configurations, Lambda HS can output in speeds up to 550 square feet per hour.



- Now more productive – nearly 550 square feet per hour
- Multiple DIMA Award Winning Photoprinter
- Output ranging from wallet size up to 50" x 275'
- Over 1,000 installed worldwide
- Proven, Reliable, 24/7 operation

Lambda HS Technical Data

Exposure system:

Patented continuous roll-to-roll, single beam, three color (RGB) laser full continuous tone exposure system

Media Device:

Single position paper turret. Available with 5-position paper turret

Take-up Device:

Automatic take up device with paper loading and automatic paper cutter

Resolution:

Dual resolution of 200 and 400 pixels per inch (switchable) with on the fly pixel interpolation (4000 dpi apparent resolution)

Maximum printing width:

Up to 127 cm (50 in.)

Maximum print/media length:

Limited by media length only

Input file formats:

TIFF, JPEG, PostScript 2/3 and PDF

Productivity:

Approx. 550 sq ft per hour

Dimensions:

72" x 72" x 65"

Power supply:

208 VAC $\pm 10\%$, 3 phase/60 Cycles, or 230/400 VAC $\pm 10\%$, 3 phase + N/50 Cycles

Theta 76/76 HS

30" Large Format Lab System



THETA 76 and 76 HS (High Speed) is a Fully Digital Multi Format lab system using a Durst proprietary Fiber optic exposure system for continuous printing on roll widths from 8 up to 30 inches. Theta 76 features true variable back printing, automatic cutting and sorting of prints ranging from 3.5x5 up to 30" x 13' panoramic prints.

- All-in-one solution for cut print sizes from 3.5" x 5" up to 30" x 13'
- Outstanding production capacity - nearly 600 8" x 10" or 2,250 3.5" x 5" prints per hour (Theta 76 HS)
- True variable back printing
- Handles media rolls from 8" up to 30" wide
- Fully integrates to an automated workflow with ASCII and hot folder support

Theta 76/76 HS Technical Data

Exposure System:

Proprietary Fiber optic exposure technology (RGB) with continuous exposure

Media Feed:

Universal, daylight loading wheeled paper cassette

Resolution:

254 ppi continuous tone, on-the-fly pixel interpolation

Maximum Printing Width:

Up to 76 cm (30 in.)

Backprinting:

Variable, one line

Input File Formats:

TIFF, JPEG, BMP, PPM, PostScript 2/3 and PDF

Production Capacity with 30" media width (multi print mode):

3.5" x 5" = 1,528/hr - 2,292/hr (76 HS)

4" x 6" = 1,121/hr - 1,682/hr (76 HS)

5" x 7" = 778/hr - 1,167/hr (76 HS)

8" x 10" = 370/hr - 555/hr (76 HS)

20" x 30" = 47/hr - 71/hr (76 HS)

30" x 40" = 24/hr - 36/hr (76 HS)

Productivity:

Approx. 200 sq ft per hour

Approx. 300 sq ft per hour (76 HS)

Dimensions:

126" x 55" x 74"

Weight:

approx. 3,300 lbs

Power Supply:

208 VAC $\pm 10\%$, 3 phase/60 Cycles, or

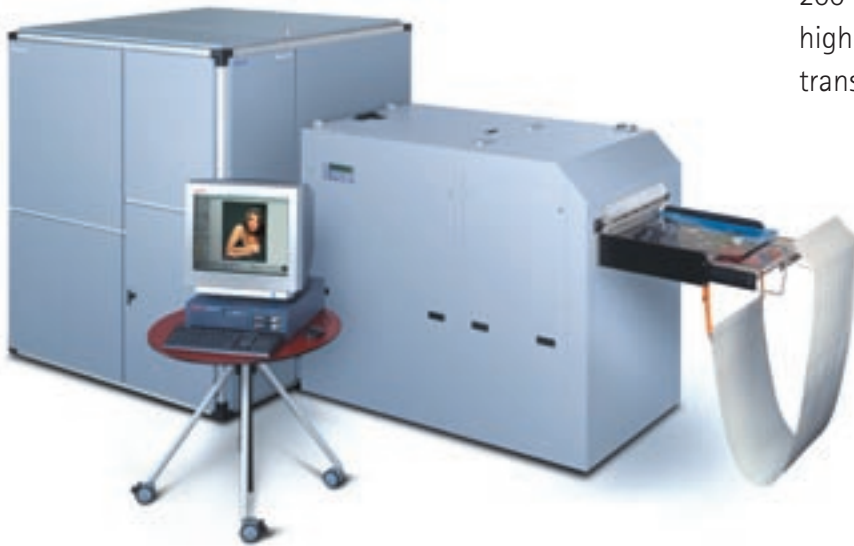
230/400 VAC $\pm 10\%$, 3 phase + N/50 Cycles

Theta 51/51 Dual

High Speed 20" Lambda Lab



The Durst Theta 51 and 51 Dual are completely digital lab systems based on Lambda laser printing technology, designed for heavy duty production and high quality demands. With a resolution of 200 ppi or 400 ppi, Theta 51/51 Dual consists of a high speed laser printer and an attached RA4 roll transport paper processor.



- All-in-one solution for cut print sizes from 3.5" x 5" up to 20" x 15'
- Outstanding production capacity - over 1,100 8" x 10" prints per hour
- Handles media rolls from 4" up to 20" wide
- Fully integrates to an automated workflow with ASCII and hot folder support
- Productivity enhancements and Fotoba cutting and sorting solution
- Available in Black/White versions

Theta 51/51 Dual Technical Data

Exposure System:

Patented continuous roll-to-roll, single beam, three color (RGB) laser full continuous tone exposure system

Media Feed:

Dual Daylight loading paper cassettes (Theta 51 Dual) Single paper cassette (Theta 51)

Resolution:

Dual resolution of 200 and 400 pixels per inch (switchable) with on the fly pixel interpolation (4000 dpi apparent resolution)

Maximum Printing Width:

Up to 50 cm (20 in.)

Print sizes with Fotoba XY Cutter and Print Sorter:

Minimum 3.5" x 5"
Maximum 20" x 30"
Panoramic 20" x 15'

Backprinting:

One line - 64 characters

Input file formats:

TIFF, JPEG, BMP, PPM, PostScript 2/3 and PDF

Production Capacity with Fotoba Cutter:

4" x 6" = 3,400/hr
5" x 7" = 1,800/hr
8" x 10" = 948/hr
20" x 30" = 163/hr

Productivity:

Approx. 690 sq ft per hour at 200 and 400 ppi

Dimensions:

4.1 x 1.4 m (13 x 5 ft)

Weight:

approx. 2,000 lbs

Power Supply:

208 VAC $\pm 10\%$, 3 phase/60 Cycles, or
230/400 VAC $\pm 10\%$, 3 phase + N/50 Cycles

Epsilon Plus

Medium Format Digital Imager



Epsilon Plus is a medium format professional LED photographic printer for the printing of digital images on photographic paper and photographic film. Ideally suited for the small to medium sized digital lab, Epsilon Plus combines a small printer

footprint along with proven high quality output, flexibility of accepted media, and intuitive software functions that include rotating, cropping, scaling, as well as nesting and multiple prints.

- Multiple DIMA Award Winning Photoprinter
- Output ranging from wallet size up to 30" x 275'
- Handles 12", 20" 24", and 30" wide reflective and backlit media
- Includes custom packaging templates



Epsilon Plus Technical Data

Exposure System:

Fiber optic LED exposure technology (RGB) with continuous exposure from roll-to-roll

Media Feed:

Single position roll supply

Take-Up Device:

Automatic material take-up system that swings out, with automatic cutting device

Resolution:

254 ppi continuous tone, on-the-fly pixel interpolation

Maximum Printing Width:

Up to 30"

Input file formats:

TIFF, JPEG, PPM, PostScript 2/3 and PDF

Productivity:

Approx. 75 sq ft per hour

Dimensions:

37" x 55"

Weight:

approx. 880 lbs

Power Supply:

115 VAC \pm 10 %, single phase/60 Cycles, or 230 VAC \pm 10 %, single phase

Zeta Plus

High Speed Roll to Roll Laser Printer



Zeta-Plus is a high speed roll to roll laser printer based on proven Durst and Agfa technology. At close to 1,800 8x10's per hour production and unmatched 330 ppi output, Zeta is a robust and reliable workhorse for high volume digital print production.



- Unrivalled speed – 1,770 8" x 10" unique prints per hour
- 330 ppi output for extremely high quality output
- Convenient daylight operation
- Integrates with common packaging and workflow software platforms
- Supports 4", 5", 6", 7", 8", 10", 11" and 12" paper and prints files up to 12" x 300"

Zeta Plus Technical Data

Exposure Technology:
RGB laser, continuous roll-to-roll

Linear Speed:
236" per minute

Printing Resolution:
330ppi

Roll Widths:
4" up to 12"

Minimum Print Length:
1.75'

Maximum Print Length:
720"

Media Cassette Capacity:
Supply: 1,148 ft.
Take-up: 1,148 ft.

Media Loading:
Automatic feeding and wind-up in the take-up cassette

Print Capacity:
12"x18" = 787/hour
8"x10" = 1,770/hour
5"x7" = 2,832/hour
4"x6" = 3,540/hour

File Formats:
TIF, JPEG, JPEG 2002

Punch Marker:
Dual punch marker (cut and sort)

Back Printing:
Dual line – 120 characters

Dimensions:
33" x 80" (131" with paper cassettes attached)

Weight:
approx. 2,000 lbs

Power Supply:
200-240v, 50/60Hz, single phase

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