Durst Lambda 76 Plus - Printing at 60 cm/24“ per minutes

High Speed Medium Format Digital Photo Printer with revolutionary full continuous tone printing technology
A milestone in the history of photography and large format printing. Finely controlled, precise rendition of even the finest structures to give unmatched print quality - quality you want to touch. The Durst Lambda 76 Plus exposes any digital file via laser directly to photographic media (color negative media, color reversal media, paper and blacklit, etc.) at full continuous tone, entirely screen-free and without any visible pixels equal to an apparent resolution of 4,000 dpi. No film or intermediate steps are required and the Durst Laser Technology insures exact color matching and precision results.

It has moved digital imaging to an entirely new level. You'll get whites that are truly white and blacks that are absolutely black. Colors are unbelievably saturated and true to the

original shot including fleshtones and bright colors. With the Durst Lambda, your digitally created or retouched images will accurately reflect the intentions of the photographer or graphic artist.

The complete and fully automated printing and finishing solution for Portrait/Social, Wedding and Photofinishing Labs
Because of the high number of films and prints a Portrait/Social lab has to handle every day, the level of automation, next to speed and excellent image quality, is the key to the success. The Durst Lambda 76 Plus features:

- **High linear printing speed** of 60 cm / 24“ reaching close to 600 prints 20x25 cm/8x10“ per hour for maximum productivity.
- **All in one: The unique size flexibility** does no longer require to split the orders because of different print sizes. With the Durst Lambda you can handle all print sizes for one order with the same device

with perfect color and density match and reduced production costs.

- **Product development: Product development** is not a function limited to the equipment suppliers. Print providers need to develop products, too. The size flexibility of the Durst Lambda 76 Plus allows you offer new print sizes, create new and exiting products and to enter new market segments.
- **Autospooling function with Hot Folders** for fully automated, unattended printing (TBR*), specifically designed for the requirements of portrait/social, wedding, and photofinishing labs.
- **Automated Package Printing for increased automation and productivity, and reduced network** The Durst Lambda Autospooling

software allows to create and print user definable packages and print sizes. Since the packages are created during printing, the file has only to be sent once.

- **Autonesting** feature for automatically printing different files and different print sizes side by side
- **Batch processing** for very fast operation of documents with multiple pages or print runs
- **Multiple Printing:** Print runs are automatically and on-the-fly duplicated (cloned) and printed side by side for fast operation, minimum disk space and optimal use of large paper widths.
- **Fully automatic cutting with the Durst Autocutter XY:** The Durst Lambda automatically prints the Durst Autocutter Barcode

Information (Patents Pending) for fully automated, unattended cutting with the Durst Autocutter XY.

- **No additional or different work preparation:** Compare to other systems, the Durst Autocutter does not require any additional or different work preparation prior to sending the files to the Lambda for printing. Also it does not require a different or additional operation on the Durst Lambda. This makes the entire workflow even faster and eliminates the risk of making mistakes.

Unique high speed imaging technology
The unique and patented Durst Lambda continuous roll to roll 3-laser (RGB) exposure system for **media widths up to 81.2 cm / 32“** offers total size flexibility and achieves an image quality which is superior to all large format printers - photographic, inkjet and

electrostatic.

The Durst Lambda 76 Plus prints at a linear writing speed of up to 60 cm / 24" per minute and offers the coice of two resolutions of 200 and 400 ppi (pixels per inch), obtaining the highest possible resolution (68 billion colors) and with a radiometric repeatability of 0.025 D per color.

Sharp images, text and graphics with exceptional details at full contrast

The digital imaging technology ensures a constant pixel size and intensity over the entire image. The patented Durst continuous roll to roll laser exposing system ensures no parasite light during the exposure for perfect image white and highest contrast range.

Excellent image quality at low production costs and short turnarround times

By eliminating the intermediate step of the film, the film processing and enlargement stages, this new technology provides a number of advantages over conventional enlargements, including improved image quality with no image distortion and no loss of image

sharpness, perfect edge to edge sharpness and eveness, a reduction in time spent handling images, and a decrease in the cost of materials.

The Durst Lambda 76 Plus operates with a full 36-bit RGB color space to ensure excellent control over the light source and to produce faithful color reproductions.

Total size flexibility offers new opportunities
Thanks to the unique, patented continuous roll to roll laser exposing system (for paper widths from 20.3 cm/8“ to 81.2 cm/32“), the Durst Lambda 76 Plus has no print size limitations allowing you to virtually generate any print size from icons to large murals (with auto- and custom paneling functions). One seamless print can be as long as one entire 81.2 cm/32 in. roll (50 m/164 ft).

The size flexibility of the Durst Lambda 76 Plus allows you offer new print sizes, create new and exiting products and to enter new market segments.
For several years, the industry was incorrectly told that "print on demand is a process,

not a product." In reality, print on demand must be productized to be profitable. The products are combinations of goods and services that satisfy the requirements of specific groups of customers in the marketplace. Through productization, successful digital printers increase their asset utilization and reduce their marketing, selling and administrative costs, thereby building an advantage against less focused competitors.

Large customer base and high customer satisfaction

With over 450 units installed worldwide (as per End of 1999), the Durst Lambda has the highest install base of all large format digital photo printers. In addition, more than 40 customers have multiple units up to 5 Lambda in the same location and lab chains have up to 18 Lambda running successfully, which confirms the high customer satisfaction.

Durst Lambda has become quickly a new industry standard for high-end large format printing. It has rapidly gained a reputation for high productivity and flexibility, producing the finest quality of small and large format

reflective and backlit prints from digital files.

Multiple applications
The Durst Lambda Large Format Digital Laser Imagers are successfully used in many different imaging applications, such as

- Large format reflective and backlit printing in any size for point of purchase displays, tradeshow graphics, etc.
- Satelite and aerial photography (Remote Sensing -> Lambda RS)
- Mapping (cartographic applications)
- Digital printing in portrait/social, wedding and photofinishing labs
- Litho and Printing Industry
- Minilabs
- Printing large quantities of small print sizes
- Producing large volume backlit prints for vending and slot machines
- Proofing (Pre-press)
- Etc.

The Durst Lambda 76

Plus is sold as a complete working system, including the imager, Compaq XP 1000/667 Mhz (DEC-Alpha) UNIX-Workstation, Lambda software, integrated Cheetah-RIP by Durst Dice America, X-Rite DTP-36 densitometer, etc.
For more information about the Lambda 76 Plus and other Durst products, please don`t hesitate to contact us.

Press releases

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Lambda 76 Plus | Lambda 130 | Lambda 131 | Lambda Pi 50 | Lambda Rs