



PURE PHOTO
QUALITY

» **widePrint 8"** - the flexible
wide format printer «



Photo products

purePhoto™ products

- widePrint 8" is the optimum system for efficient production of larger images that are the basis of value added photo products
- They are produced on real photographic paper to deliver purePhoto™ quality



Calendars



Photo books

PURE PHOTO
QUALITY



Panorama posters



Photo prints



Photo posters



Package prints



Key benefits

Proven technology

Based on fastPrint

- In the traditional digital workflow images from Internet, media or film are exposed on the established high-speed printer fastPrint - available as 8K, 12K, 20K - more than 200 systems have been installed worldwide
- widePrint 8" extends quality and performance you expect from Imaging Solutions to larger formats
- widePrint 8" produces large formats using the same highly productive technology

Multiple formats

Highly flexible paper formats

- Photo paper widths from 8.9 to 22 cm (3.5" to 8.66")
- Picture lengths from 5.2 to 66 cm (2.1" to 26"), optionally to 93 cm (36.6")
- Lucrative photo products: panorama posters up to 22 x 66 cm (8.66" x 26") and purePhoto™ book pages

High quality

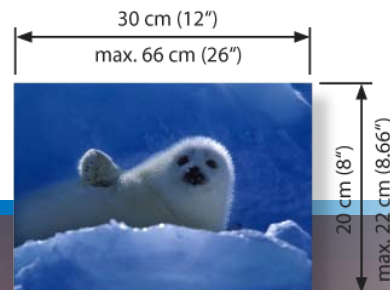
Outstanding image quality

- Proven and robust DLP® Technology
- 16 million colors per pixel
- ICC Color Management
- 300 ppi for all formats
- 11 bit per color

In-line connection

In-line connection to VSP 25-12

- widePrint 8" can be connected in-line by a docking station with the new paperProcessor VSP 25-12
- High productivity of paperProcessor VSP 25-12 through variable speed from 5 m / min up to 25 m / min (16.4 feet / min up to 82 feet / min)
- One track from 8.9 cm up to 30.5 cm (3.5" up to 12")
- Substantial cost savings are achieved with water and chemistry conservation, efficient energy usage and optimized squeegee system
- Wet-section can be adapted to customer's requirements



Key benefits

High Flexibility

Standard prints and photo products

- widePrint 8" is distinguished by its extreme flexibility - during peak print demand seasons, widePrint 8" serves as backup for any standard print products from 8.9 cm (3.5") up to 12.7 cm (5")
- As busy holiday seasons approach, widePrint 8" becomes the nucleus of your custom photo products system making photo pages for photo books, calendars etc.
- The versatile widePrint 8" can be used to extend highly efficient production to larger format prints in large labs; or, as the primary digital printer for all formats in smaller labs seeking the competitive advantage offered by purePhoto™ products

High performance

High-speed wide format printer

- 30.5 m/min (100.00 feet/min) paper advance
- 12,000 prints / h, 10 x 15 cm (4" x 6") or 6,000 prints / h, 20 x 30 cm (8" x 12")
- Automatic paper threading and splicing help to assure this high productivity
- Using paper magazines for paper-rolls up to 550 m (1,804 feet), 430 mm (17") diameter

Cost leadership

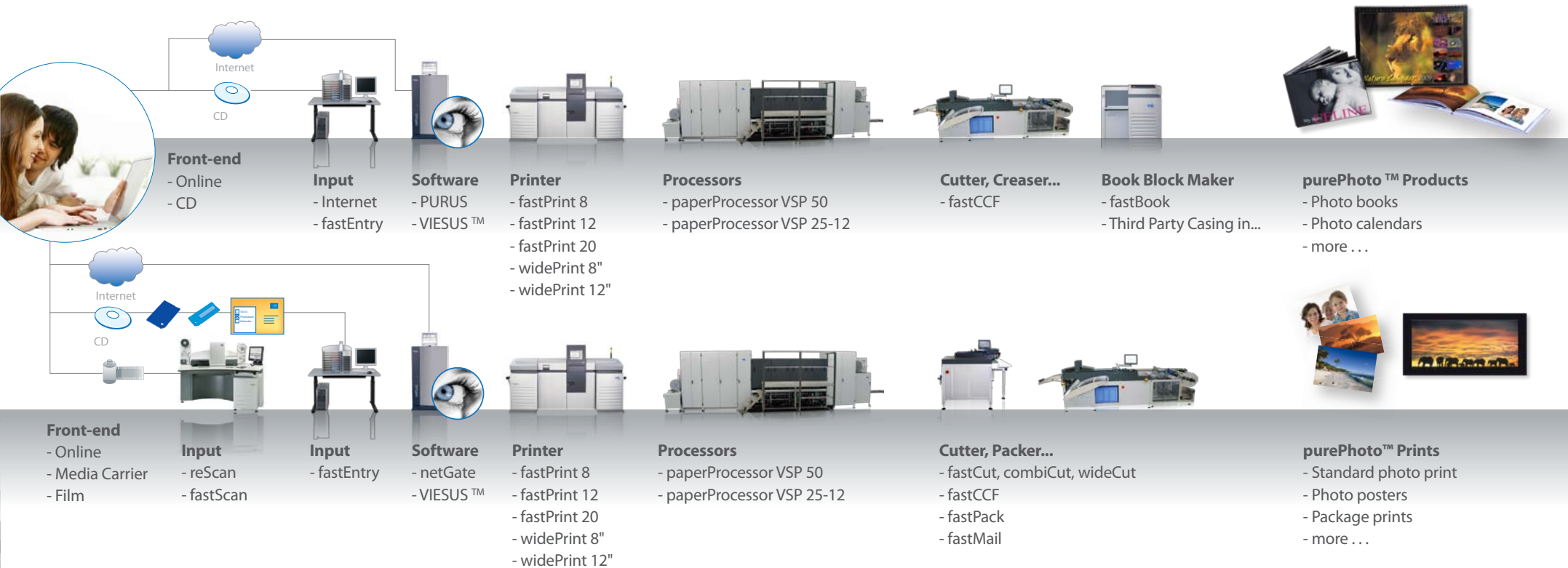
Highest productivity

Cost leadership through highest productivity with photo posters 20 x 30 cm (8" x 12")

- Production cost: 0.1 €
- Gross margin: 0.4 €
- Quantity per day: 50,000
- Sales price: 0.5 €
--> possible gross margin per day: 20,000 €



Workflow

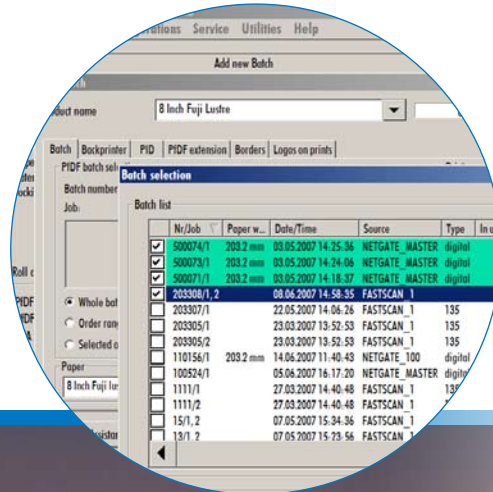
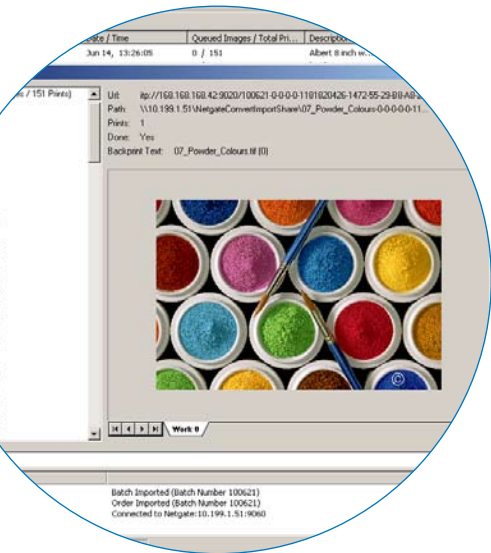


Order management

Intelligent workflow for photo prints and photo posters

netGate provides quality enhanced image files and printer control information such as size and quantity. In a typical lab workflow, widePrint 8"

receives image files and order data from netGate, the proven workflow management computer system.



Sophisticated workflow for pure Photo™ products

As part of the purePhoto™ concept, widePrint 8" directly interfaces to the **PURUS** software for automated production of complex purePhoto™ product image files.

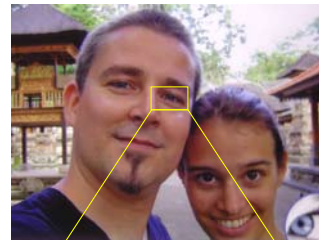
- **Support of any front-end** - PURUS is the gateway to the purePhoto™ system. Customer data is imported from the Internet, fastEntry or other sources via LAN. The front-end solution PURUS photoClient is already supported. Further front-ends can be added via specialized plug-ins. PURUS will even convert single PDF files into the standard PURUS data format. Text, layout and images are separated to prepare images for enhancement processing by VIESUS™.
- **Page creation** - pageCreate is the scalable page rendering module of the PURUS system. Images are automatically enhanced by the unsurpassed VIESUS™ software. True Type Fonts (TTF) are supported for high quality rendering of text.
- **Workflow Management** - PURUS monitors and controls the full production process. It provides interfaces to the lab's PfDF server, ERP infrastructure and downstreams production equipment.
- **widePrint 8"** loads metadata from PfDF server and image data from PURUS pageCreate and prints the batch, controlled by PURUS workControl.

High image quality

With advanced technology

Photo quality and color profiles

- widePrint 8" delivers all outputs at the same high quality standard established for other Imaging Solutions' products
- At 300 ppi in all formats and 11 bit color depth, widePrint 8" photos show dramatically brighter colors, a higher perceived resolution, greater highlight details and color stability compared to electrostatic press printed images
- The built-in spectrophotometer automates setup corrections to assure optimum adjustment of production quality

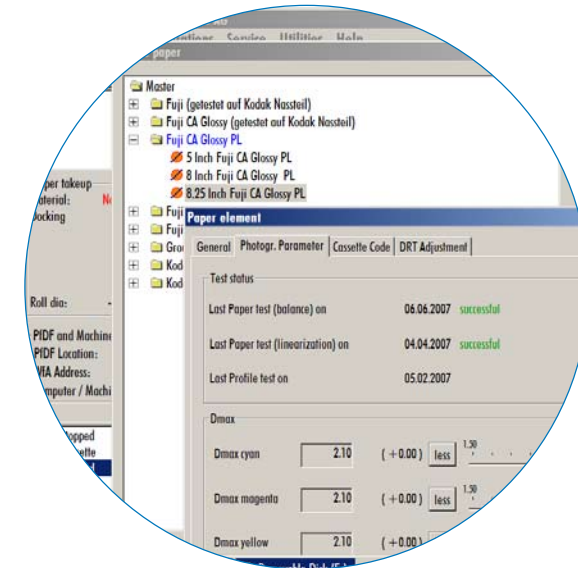
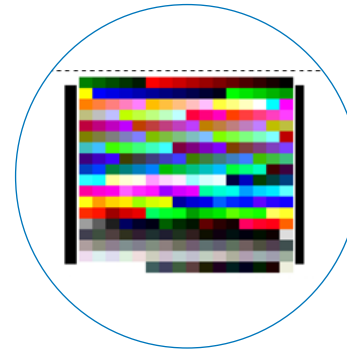


Scanned print



Enlarged view

- The integrated ICC profiling feature allows the lab to optimize color reproduction in a diverse production system incorporating different printing technologies

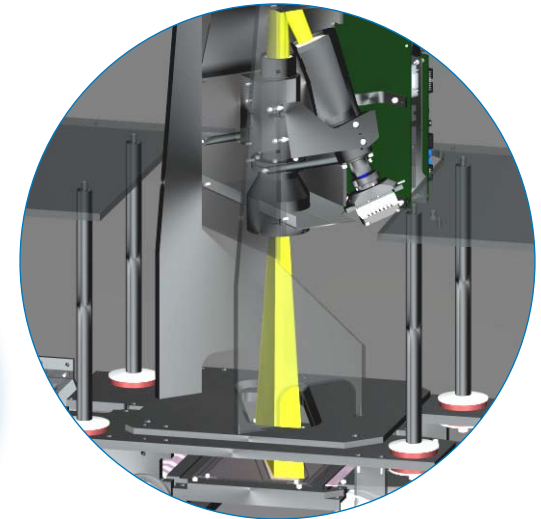


Precise maintenance free exposure

Leading-edge technology

For the best image quality results

- The robust exposure system is based on the proven DLP® Technology from Texas Instruments
- The DLP® chip contains 2.2 Mio mirrors mounted at 45° to the paper path to precisely manage the amount of light delivered to each individual image point from the LED light source
- By high-speed on/off switching of the mirrors, the micro-mirrors in line above each other on the chip sequentially expose the same points on the paper
- This technique increases the effective resolution of the light modulator by nearly 40 %
- The newly developed light source incorporating red, green, and blue LEDs assures the highest color registration and stability
- With a staged arrangement from 192 lines, each with 2,704 mirrors, each color is exposed in one step
- Precisely calibrated exposure times of various length assures exact exposure for each individual picture point for an overall perfect picture



widePrint's 8" exposure unit



Technical details

Input

• **Formats and direct input**

JPEG, TIFF, BMP, PNG and other data formats are accepted by netGate and converted to RTP (proprietary optimized format) for internal processing. Direct RTP input is accepted from fastScan, reScan, pageCreate, or fastEntry

Output

• **Continuous paper advance**

30.5 m/min = 100.00 feet/min

• **Photo paper widths**

from 8.9 cm to 22 cm (3.5" to 8.66")

• **Picture lengths**

from 5.2 to 66 cm (2.1" to 26"), optionally to 93 cm (36.6")

Performance

• **Productivity**

12,000 prints / h, 10 x 15 cm (4"x6")
6,000 prints / h, 20 x 30 cm (8" x 12")
maximum 400 m² per hour

• **Exposure technology**

Time Integrated Gray Scale (TIG).
Digital Light Processing (DLP®) by Texas Instruments Inc.
Digital Mirror Device (DMD®) with 2.2 million micro-mirrors

• **Exposure resolution**

300 ppi (pixels per inch); identical for all picture formats, automatic resampling; gray scale resolution: 11 bit per color

• **Photographic paper**

RA-4 standard or RA-4 digital paper, widths from 8.9 cm to 22 cm (3.5" to 8.66")

• **Paper magazines**

For paper rolls up to 550 m (1,804 feet), 430 mm (17") diameter; supply-and take-up paper magazines are interchangeable

• **Color management**

Easy to operate with built-in spectrophotometer for setting-up; selectable ICC-profiles for a color-consistent rendering (especially important for cross platform mixed orders)

• **Image Enhancement**

Benefits from netGate's unsurpassed VIESUS™ image enhancement or Eye-Tech Digital from fastScan or reScan

• **Order Management**

By means of PfdF data blocks; IPESC binary codes with punch marks; roll identification is exposed photographically, text and barcode

We reserve the right of changes in the technical specifications



Technical details

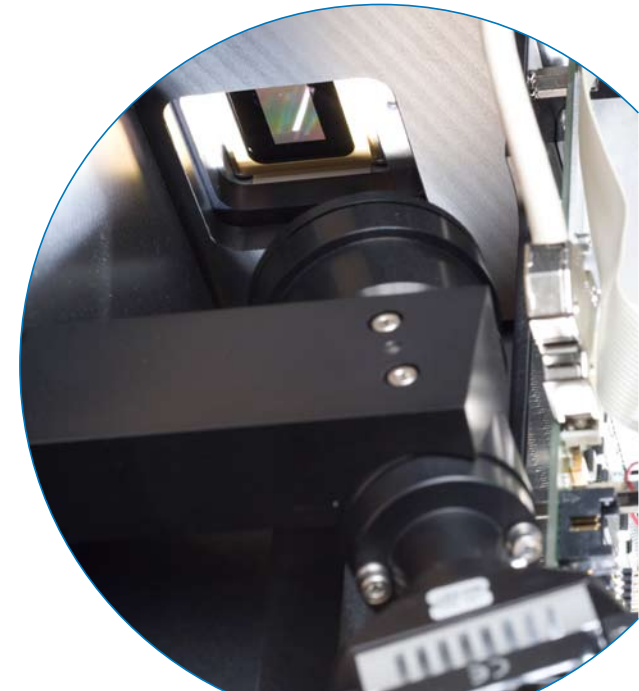
Additional Options

- **White borders**
Prints with white borders, width selectable
- **Back print**
Two lines with up to 60 characters each
- **Batch length disposition**
Consumption of paper in correlation to the expected batch length
- **Extended job selection**
Printing of different work types inside the same order
- **In-line connection to paperProcessor VSP 25-12**
For an improved performance and a reduction of needed paper magazines

Hardware

- **Power supply**
100 V to 240 V, 50/60 Hz, 1,600 VA, single phase
- **Dimensions (overall)**
length 340 cm (11.14 feet), depth 114 cm (3.74 feet), height 166 cm (5.44 feet)
- **Weight**
Approximately 700 kg (1,541 lb)
- **Compressed air**
0.7 – 1.0 MPa, oil-free; throttle valve and manometer built-in
- **Environmental requirements**
Operation: relative humidity of 40 % to 75 %, room temperature of 17°C to 27°C (63°F to 81°F)

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Product portfolio

Input



Efficient processing of analog and digital input from film, CD, memory sticks etc

- fastScan
- reScan
- fastEntry

Software



Industry-leading image enhancement software and workflow systems for easy implementation, and frontend solutions without click rate

- netGate
- PURUS
- VIESUS™
- photoClient

Output



Fastest digital printers worldwide exposing up to 20,000 prints per hour from 8.9 - 30.5 cm (3.5"-12")

- fastPrint 8
- fastPrint 12
- fastPrint 20
- widePrint 8"
- widePrint 12"

Processing



High-performance paper processor with optimal integration both to analog and digital workflow

- paperProcessor VSP 25-12
- paperProcessor VSP 50

Post-Processing



Advanced systems for production of book blocks for purePhoto™ books and for cutting, packing and sorting

- fastBook
- fastCCF, fastCut*
- wideCut, combiCut*
- fastPack, fastMail*

*manufactured by our subsidiary
Imaging Postprocessing Solutions,
Germany

Imaging Solutions - Your system partner



SWISS MADE

purePhoto™

is for people with a vision
of the **future**, who love and enjoy
quality, and who believe in the
beauty of pure photo products.

PURE PHOTO
QUALITY

Althardstrasse 70
CH-8105 Regensdorf

Imaging Solutions AG
Sales & Marketing

sales@imagingsolutions.ch
www.imagingsolutions.ch

Switzerland

Tel. +41 44 842 21 21
Fax +41 44 842 21 42