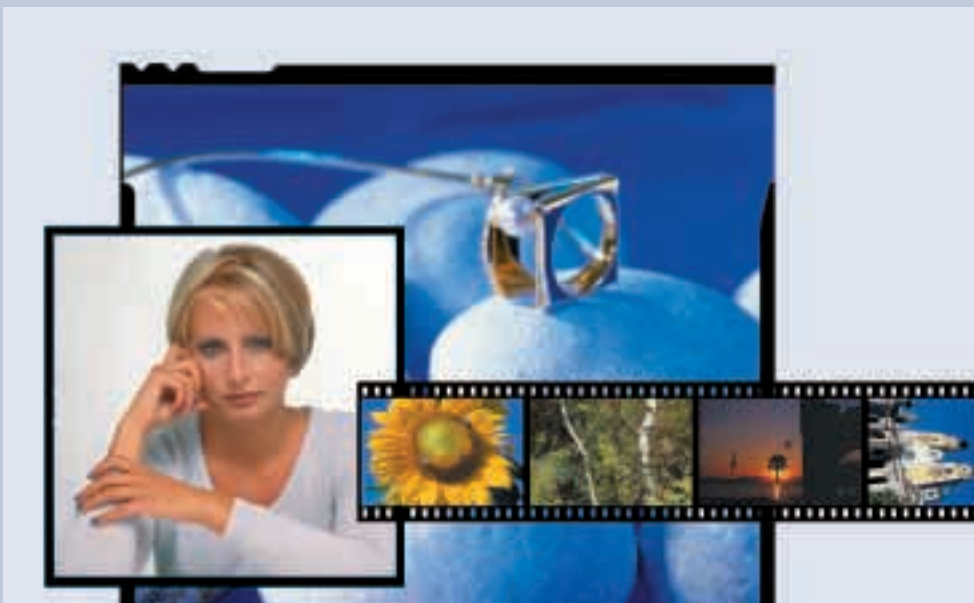




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Sigma Plus Filmscanner

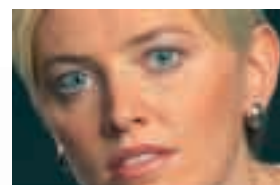
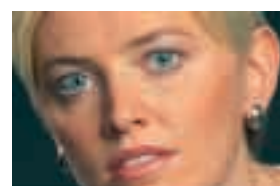
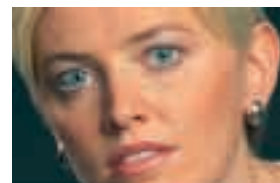


The new Durst Sigma Plus is the professional high-speed film scanner for high quality scans of all negative and positive materials. Durst Sigma Plus is the only complete workstation available at present that offers the long expected solution for high volume, high quality film scanning for photofinishers, portrait labs and commercial labs.

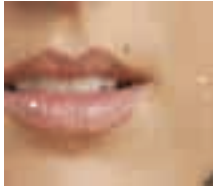


Highest First Scan Rate

Now Image Intelligence™ - Fujifilms most sophisticated negative analysis system - detects skintones, adjusts highlights and shadows separately, sharpens partially - a revolution of the digitized image. Many thousand times approved in the Fuji Frontier Minilab system, it offers high first scan rates without correction.

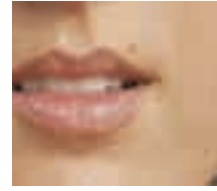


Excellent image quality

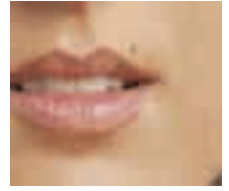


Without ICE and GEM

Your customers expect nothing but the best image quality, from 35 mm up to 4 x 5 in., negative or color reversal; from 900 kb files to 320 MB files. Durst Sigma Plus meets these needs. Dust or scratches are retouched automatically by Digital ICE™, preventing time consuming manual retouch work. Digital GEM™ reduces film grain. Color management allows you to soft proof on the scanner monitor what later will be on paper.



With ICE



With ICE and GEM



Easy operation

Deadlines are tight and each shift hectic; you cannot afford operator errors or idle time. We know that. We designed the Sigma Plus operator software in collaboration with customers like you, combining simplicity, user friendliness and control over the highest image quality.



High productivity



Scan hundreds of images with the push of a button! It is possible with the Sigma Plus and its complete range of accessories: the latest negative scene analysis software by Fujifilm, the long roll film transport, frame edge detection and DX code detection provides exact frame detect and frame numbers coordination.

Unique flexibility



Sigma scans all formats from APS to 4 x 5 in.; whether cut or in rolls; whether mounted slide, Color or B/W negative. Scanned files can be saved in a variety of formats and sent to user-defined destination folders, with or without Index prints and thumbnails. Feed image files directly to digital output devices like the Durst Theta 50-The Lambda Lab® using the fully automated ASCII Auto-pooling feature. A smooth, efficient workflow for your lab, from Durst.

Indexprint



Technical data

Light source:

Halogen - 24 V 250 W

Film formats:

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

Film handling:

- manual for 4 x 5 in. sheet film and single cut frames
- universal auto-film carrier for APS, 135 and 120/220, film strips and uncut rolls of film

Film types:

Colour and black-and-white negatives, slides

Film carrier system:

- auto film transport combined with format dependent, exchangeable tensioning masks
- automatic frame recognition
- automatic DX code-recognition for 135 films

Sensor:

Line sensor 10.500 pixels RGB

AD converter resolution:

14 Bit

Dynamic range:

3.0 D

File formats:

TIFF-LZW 8/16 bit, JPEG, BMP, PPM, RAW

Dust/scratch retouching:

- integrated flow of compressed air applied to both sides of film
- Digital ICETM-Software (ASF technology)

Grain suppression:

- Digital GEM™-Software

Workstation*:

HP Pentium 4,
2,8 GHz or higher, CD-DVD-RW

Operating system*:

Windows XP

RAM*:

2 GB

Hard disk*:

80 + 40 GB

Monitor:

21" HP colour monitor

Network:

Fast Ethernet (mln 6 MB/sec.)

Mains connection:

230 V 50-60 cycles,
115 V 50-60 cycles

Power consumption:

1000 VA

Compressed-air connection:

external compressed-air connection max. 4-5 bar

Weight:

146 kg

Ambient temperature:

15° C - 30° C (60° F - 86° F)

Relative humidity:

5 - 80 %

Dimensions of the equipment:

Sigma without worktable:
60 x 88 x 113 cm (24 x 35 x 45 in.)
Sigma with worktable:
127 x 127 x 121 cm
(50 x 50 x 47 in.)

* Planned for april 2004

Short Scan Times for High Productivity

	35 mm	6 x 7 cm	4 x 5 in.
15 MB	3,5 sec.	5 sec.	10 sec.
30 MB	7 sec..	7 sec.	10 sec.
70 MB	11 sec.	10 sec.	11 sec.
180 MB	-	15 sec.	17 sec.
322 MB	-	-	34 sec.

(without calculation and saving time))

File sizes at max. optical resolution

35 mm: 70 MB/4.223 dpi

6 x 7 cm: 180 MB/3.175 dpi

4 x 5 in.: 322 MB/2.500 dpi

The latest technical developments are constantly being incorporated into Durst products. Illustrations and descriptions are therefore subject to modification. All rights reserved on images and illustrations.

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