

Heidelberg Herkules Elite + new Hp server + Delta Tower + Delta 8



Heidelberg Hercules Elite

Not-New

Manufactured: 1998

Optional: Online System

Optional: RIP-PC

- Indrum Imagesetter
- Resolution: 5048 dpi
- formats: 750 x 558 mm
- cleaned and tested
- punch: Headpunch
- new compressor
- without RIP-PC (optional)

Herkules Elite - awesome exposure unit for all claims

Herkules Elite covers with his advantageous maximum format of 558 x 762 mm the demands of medium format pressure machines as well as – by two pressure-compliant ausgeschossene films – also the big formats of most curves and role pressure machines ideally. élite is interesting of the Herkules also for newspaper printer, because his format is mostly sufficient to expose two sides or a panoramic side.

As a plus offers of the Herkules Elite punch possibilities in the long ones as well as on the short format side. Standard systems of pressure machines of Heidelberg and ONE Roland as well as for the American and English market can be as integrated as customised systems. With it account is taken the demands of the printers for installation of her internal Stanzsysteme fully.

At an exposure speed of 43000 rotations / min. (716 scan lines / sec.) élite lies of the Herkules completely in front in the market. Compared with his predecessor Herkules Per the speed was increased on 25 percent. Only 53 seconds are necessary for four sides A 4 with a resolution of 1270 dpi. Beside the standard resolutions in 1270, in 1693, in 2540 and 3387 dpi the high resolutions are available in 4064 and 5080 dpi. The 120th grid for especially demanding works is moveable with it. Besides, by the resolution-conformist advertisement dimensions of 7.5 µ m to 20 µ m it is for every desired resolution step optimum size of the laser beam opposed. By the duplication of the resolution in FastScan-or drum extent direction with delta Technology increases the number of the eligible resolution steps even on eleven.

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In a second creates the Herkules ELITE the sprint to 716 scan lines. These are 43 000 revolutions per minute, identical with the same number of revolutions of the deflector.

Thus, the speed is higher than its predecessor Hercules PRO by 25%. This means that every minute is 859 mm or four A4 pages at a resolution of 1270 dpi exposed in only 53 seconds. The fact that such high speeds are only possible because therein lies a huge research effort, of course.

For in spite of the extreme speeds may not occur, which would be felt immediately in strips within the grid areas.

System Description

High precision laser recorder

Light source

Laser diode emissions 670 - 680 nm

Imaging principle

Laser beam deflected by a rotating, air-cushioned prism;
Inner drum principle

Maximum format size

762 x 558mm (30 x 22 inch)

Imaging format Herkules ELITE

750 x 558 mm (29.5 x 21.9 inch) without register option on short format side

735 x 558mm(28.9 x 21.9 inch) with register option on short format side

Scan line length 558 mm (inside drum circumference)

Scan line length with customized newspaper punch '8':

562.5 mm (22.1inch) instead of 558 mm (21.9 inch)

Resolution and recorder speed

resolution. Max Speed

Pixel/cm Dots/inch cm/min inch/min

500 1270 85,9 33,8

666 1693 64,4 25,4

800 2032 50,3 19,8

1000 2540 42,9 16,9

1333 3387 32,2 12,7

1600 4064 25,1 9,9

2000 5080 21,8 8,6

Spot sizes

Matched to the selected resolution of the Herkules ELITE, minimum 7.5 µm

Maximumscreen frequency

with 256 gray levels and 120 lines / cm (305 lpi)

Repeatability

± 5 µm over full format and eight films (color set)

imaged in direct succession and ignoring distortion of photographic material caused by changes in temperature and humidity

Output options

positive, negative, right and wrong way and Duplo, double-Duplo and Quadro

Photographic materials in roll

Film, RC paper, direct print films, 0.1 - 0.18 mm thick;

Sensitivity to light emission at 670 - 680 nm

Material widths

Herkules ELITE with lateral material positioning:

280 – 762 mm with spacing of 30 mm (11– 30 inch)

Herkules ELITE with central material positioning:

430 – 762 mm with spacing of 30 mm (17– 30 inch)

Photographic material specifications

Internal diameter of cardboard core 72 mm with special end caps;

Emulsion outside, special packaging for insertion into the feed cassette during daylight operation

Capacity of supply cassette

max. 60 m with 0.10 mm thick photographic material, dependent on material

Capacity of the receiving box

about 20 m with 0.10 mm thick photographic material, dependent on material

Mains voltage

115 or 230 volts AC

Power

1.0 KW at 115 V, 1.2 kW at 230 V

Ambient temperature

+18 ° C to +28 ° C

Humidity

45-85%, non-condensing

Dimensions (W x H x D)

1510 x 930 x 780 mm (59.4 x 36.6 x 30.7 inch)

Weight

approx 510 kg

Interfaces

SpeedWay ® interface = high-speed interface for bitmap transmission and Communications interface;
= X69 interface for on-line processor



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**Brakensiek Systemhaus
GmbH & Co. KG
Klönnestraße 94
D-44143 Dortmund****BRAKENSIEK®**
SYSTEMHAUS

Mitglied im

**www.brakensiek.com****Tim Brakensiek**

Mitglied des



+49(0)231.985-00 10

Premium Partner



+49(0)231.985-2000