

# Heidelberg Herkules Basic Filmbelichter / Imagesetter



Heidelberg Hercules Basic Filmbelichter / Imagesetter

Not-New

Type: 2130

Year of Manufacture: 12/1999

Professional Imagesetter for Printing Machines with format size such as: Heidelberg Speedmaster 74 and Heidelberg Speedmaster 52

Including Bacher Control 2000 Punch (Europe) at the long side

Indrum Imagesetter

- Resolution: 3387 dpi
- Size: 750 x 558 mm
- Punch: Bacher Control 2000 (Europe)

Using the Bacher Control 2000 Punch (Europe) offers the following advantages:

Two Herkules films fit perfectly into the 70 x 100 cm press format.

You won't get any vibration, even at such high speeds of the mirror rotating unit (32000 revolutions per minute.)

As well as the standard resolutions (1270, 1693, 2540 and 3387 dpi), Herkules BASIC also gives you 2032 and 846 dpi resolutions for high-speed results.

The user-friendly interface on Herkules BASIC makes imaging delightfully simple. Self-explanatory pictograms, icons and graphics give you direct access to important functions like cutting, loading films or unloading the drum.

Heidelberg Herkules Basic

### **One is you like the Hercules BASIC particularly well:**

its speed. He exposed 533 scan lines per second, which are 32 000 revolutions per minute, identical with the same number of revolutions of the deflector.

That in spite of these extreme speeds no vibrations, is due to the superior know-how of our engineers. Know-how and do-how that benefits you: in just 70 seconds, four A4 pages with a resolution of 1270 dpi can be exposed. These are 859 mm per minute.

### **System Description**

High precision laser recorder

### **Light source**

Laser diode emissions at 670 - 680 nm

### **Imaging principle**

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

### **Maximum format size**

762 x 558mm (30 x 22 inch)

### **Imaging format Herkules BASIC**

750 x 558 mm (29.5 x 21.9 inch)

Scan line length of 558 mm (inner drum circumference )

**Resolution and recorder speed**

resolution. Max. Speed

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

333 846 96,7 38,1

500 1270 64,4 25,4

666 1693 48,3 19,0

800 2032 40,2 15,8

1000 2540 32,2 12,7

1333 3387 24,1 9,5

**Spot sizes**

fixed spot sizes 20 and 30 µm

**Maximum screen frequency**

Up to 80 l/cm (210 lpi) for 256 gray levels

**Repeat accuracy**

± 5 µm over full format and eight color separations (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 reading and Duplo, double-Duplo and Quadro

**Photographic materials in roll-form**

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

Sensitivity to light emission at 670 - 680 nm

**Material widths**

Herkules BASIC with lateral material positioning:

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

Herkules BASIC with central material positioning:

430-762 mm with spacing of 30 mm (17-30 inches)

**Photographic material specifications**

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

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

**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 online processor





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