

# Heidelberg Herkules Basic



Heidelberg Hercules Basic & Delta Tech Level 3 RIP

Non-new

Professional imagesetter in A2 format

An internal drum imagesetter principle

- Resolution: 5048 dpi
- Size: 750 x 558 mm
- Punch: Bacher punch

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**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 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 ?m

**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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