

# Heidelberg Duosetter+Delta Tower

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## Heidelberg Delta Tower + Duosetter

### system Description

High precision laser recorder

### light source

Laser diode emitting at 670 - 680nm,  
Class 1 laser

### imaging principle

Deflection of the light beam across  
a rotating, air-cushioned prism;  
Inner drum principle

### imaging format

505 x 535mm (19.9 x 21.06 inches)  
positive exposure;  
505 x 545mm (19.9 x 21.45 inches)  
negative-exposure;  
Scan line length of 505mm (circumferentially of the drum)

### maximum grid frequency

up to 80 lines / cm (200lp) the halftone screen

### Repeatability

± 5 mm over full format and eight  
directly after another exposure films in succession  
(Color set) without consideration of the +  
Photographic material caused by temperature  
and humidity

### output options

positive, negative, sideright and  
reversed (selection via RiP)

### Photographic materials in roll

Film and RC paper;  
Polyester plates;  
0,10 - 0,20 mm thick;  
Sensitivity to light emission  
at 670 - 680nm

### Photo material widths

280, 310, 340, 370, 400, 430, 470,  
500, 530, 540mm (max.21, 25 inches)  
for film and paper;

### Preferred widths

340, 470, 530mm;  
270, 340, 450, 510, 525mm  
for polyester plates

### Photographic material specifications

Inner diameter of the roll core 50.7 mm  
with special end caps;  
Emulsion inside, a special package for  
put into the supply cassette during daylight

### Capacity of supply cassette

maximum 60 m with 0.10 mm thick photographic material,  
dependent on material  
Capacity of 30m at 0.10 mm thick photographic material,  
Tape recording dependent on material

### supply voltage

90 - 264VAC, 47 - 63Hz

### Power

max.500 VA

### ambient temperature

18 - 30 ° C

### humidity

45-85%, noncondensing

### Dimensions (W x H x D)

1200 x 1100 x 750mm;  
47.2 x 43.3 x 29.5 inches

### weight

approx 300kg

### Interfaces

SpeedWay ® interface = high-speed  
Interface for bitmap transmission and  
Communication interface, interface for connection  
an on-line processor

**approval /  
conformities**

GS, UL, cUL, GOST / CE, CDRH, FCC, ACN

**options**

**Registration System:**

Bacher Control 2000 5-hole reference  
stamping system on long format page;  
system Stoesser  
for the American market;  
On-line processor;  
Polyester plates option

**Max resolution. Speed ? ?spot size**

| Pixel/cm | Dots/inch | cm/min | inch/min | µm |
|----------|-----------|--------|----------|----|
| 500      | 1270      | 58,7   | 23,1     | 21 |
| 666      | 1693      | 44,0   | 17,3     | 16 |
| 800      | 2032      | 36,6   | 14,4     | 11 |
| 1000     | 2540      | 29,3   | 11,5     | 11 |
| 1333     | 3387      | 22,0   | 8,7      | 11 |

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