



Technical data

System description	Precision laser recorder
Light source	5 mW red laser diode emitting at 670 nm
Imaging principle	Light beam deflected by a spinning polygon mirror; capstan principle
Imaging format	Width 355 mm (13.9"); max. length with online processor: 558 mm (21.9")
Spot size	20 µm
Max. screen frequency	Max. 70 l/cm (175 lpi) for 256 grey levels
Repeatability	± 25 µm with film (0.1 mm thick) ± 38 µm with polyester plates (0.2 mm thick) measured over 4 consecutive films or plates of format 355 × 505 mm or 340 × 505 mm (13.9 × 19.9" or 13.4 × 19.9")
Photographic material in roll form	670 nm sensitive silver halide film and polyester plates, material thickness 0.1 – 0.2 mm
Material widths	250/280/305/310/338/340/355 mm
Material specifications	Internal core diameter 50.7 mm (2"); emulsion inside; special packaging for daylight operation
Supply cassette	film and polyester plates for material widths 250/280/310/338/355 mm for material widths 250/280/305/340/355 mm capacity with 0.1 mm thick material: max. 75 m capacity with 0.2 mm thick material: max. 30 m
Interface	SCSI-2
Voltage	100 – 120 V AC and 200 – 240 V AC, 50/60 Hz
Power consumption	During operation max. 250 W
Temperature range	During operation +18 °C to +30 °C* (+65 °F to +85 °F*)
Relative humidity	During operation 45 – 80 %, non-condensing*
Dimensions (W × H × D)	70 × 50 × 77 cm (27.6 × 19.7 × 30.3")
Weight	68 kg (150 lb)

Approvals/conformity	GS, CE, ETL, cETL, FCC, CDRH, GOST, ACN laser class 1		
Resolution	Recorder speed		
Pixels/cm	Dots/inch	cm/min	inch/min
394	1000	65.2	25.7
472	1200	51.0	20.1
500	1270	52.0	20.5
630	1600	38.3	15.1
787	2000	29.4	11.6
945	2400	25.4	10.0
1000	2540	22.8	9.0
1181	3000	21.8	8.6
1333	3386	17.0	6.7

* In accordance with media manufacturers media requirements.

Options

Offset punch for Heidelberg Printmaster QM 46

Bacher register punch

Stoesser register punch

Supply cassette for material widths 250/280/310/338/355 mm and for material widths 250/280/305/340/355 mm

Take up cassette (film) in preparation

Online processor for polyester plates (LogEtronics)

3-bath processor

Max. plate size 355 × 558 mm (13.9 × 21.9")

Min. plate size 250 × 305 mm (9.8 × 12")

Dimensions (W × H × D) 122 × 128 × 79 cm (48 × 50.4 × 31.1") (QS 46 including processor)

Weight 178 kg (403 lb) (QS 46 including processor)

Online processor for film */polyester plates (Glunz & Jensen)

3-bath processor

Max. film/plate size 355 × 558 mm (13.9 × 21.9")

Min. film/plate size 250 × 305 mm (9.8 × 12")

Dimensions (W × H × D) 120 × 128 × 79 cm (47.3 × 50.4 × 31.1") (QS 46 including processor)

Weight 196 kg (403 lb) (QS 46 including processor)

* For further information please contact Glunz & Jensen, DK

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Imprint

Printing date: 04/01

Film production: CtF with Quicksetter 460

Printing: Heidelberg Speedmaster®

Fonts: Heidelberg Gothic®, Heidelberg Antiqua®

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Subject to construction modifications and other changes.

PREPRESS

PRESS

POSTPRESS

Quicksetter 46



Quick printers have their finger on the pulse

The new generation of quick printers is one of the most dynamic elements of the industry. Highly-responsive to the market's needs, they are able and willing to produce whatever the customer is looking for – be it publicity material, manuals, letterheads, business cards, price lists, invitations or in-house magazines. Runs tend to be on the small side and deadlines short. Quick printers also make optimum use of all available space in order to organise sales and production in the most effective way possible. The equipment they install must be able to provide professional results over the entire workflow from prepress to postpress – and must be compact as well. Heidelberg® can now provide quick printers with an imagesetter system which is equal to these needs, right up to the press stage. Enter the Quicksetter 46 (former Quicksetter 350).

Flexible, small and productive

When developing the new Quicksetter 46, Heidelberg placed flexibility high up its list of priorities. The Quicksetter can thus image both film and polyester plates. It also supports a wide bandwidth of resolutions covering nine settings over the range 1000 to 3386 dpi and screens of up to 70 l/cm (175 lpi). Three different punches are

available for register-accurate imaging – the QM 46 offset punch and the Bacher and Stoesser punches. The Quicksetter 46 is also extremely flexible regarding the required space, since its clever construction means it has only a very small footprint. Once on its starting blocks, it quickly accelerates to full speed, producing up to 32 punched plates or films per hour.

CtP – for faster, better results

The Quicksetter 46 not only images film, but also images directly onto polyester printing plates. This allows you to rationalise your workflows any time you want. After all, imaging polyester plates offers you distinct advantages. You not only save the cost of film material and film processing, but also save the time otherwise spent on plate copy. In a fully configured system complete with punch and online processor, the Quicksetter 46 outputs polyester printing plates for the Printmaster® QM 46 which have already been punched and cut with complete register accuracy. All that is left for you to do is to remove the finished plates from the online processor and clamp them in the press.

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