Herkules BASIC.

Your introduction to Herkules quality.

HEIDELBERG

Take a look at this:
unbeatable quality
film output.

Imaging 8 pages in 175 × 240 mm format
with punching on the long format side.
Film width 730 or 762 mm.

Ideal for
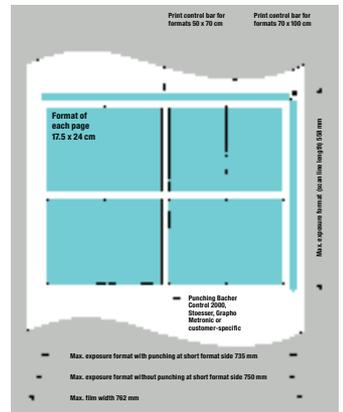## medium formats.

The Herkules® BASIC.
More, not less.

If you like to get more instead of less for your money, we recommend Herkules BASIC. With the Delta™ Software RIP, Herkules BASIC now brings you all the benefits of internal drum technology for the price of a capstan image-setter.

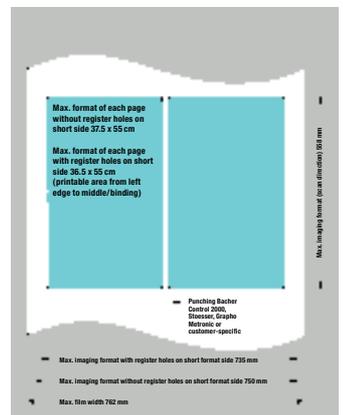So why not choose higher quality and better cost-effectiveness – now and for the future?

Printing presses have formats of around 510 × 740 mm, big enough to print eight 175 × 240 mm pages with print control strips and all the finishing marks. Formats for which Herkules BASIC is absolutely ideal. Its maximum format size of 558 × 750 mm is quite sufficient for the format used by most printing presses. It can also cope with the various distances between the register holes and print start on different presses, and also leaves enough space to image the print control strips.

And you'll even find that two of its press-ready imposed films are ideal for the widely used 720 × 1020 mm format of the large Heidelberg Speedmaster® and most sheetfed and rotary presses.
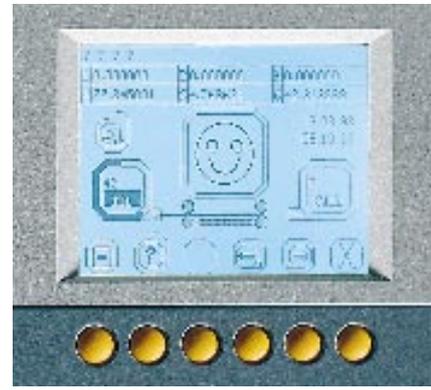

Imaging 2 newspaper pages (double-page
spread) with punching on the long format
side. Film width max. 762 mm.

Whatever you need
to get it done fast
is stored here for you.

More punching flexibility.

Experience has shown that imagesetters with punching on the long format side are more universal in their application. For the Herkules BASIC the standard systems Bacher Control 2000™, Grapho Metronic, Stoesser for the American and one optional punching system for the British market are available. There's another advantage as well – two Herkules films fit perfectly into the 70 × 100 cm press format. What is more, manual alignment is a thing of the past, thanks to the mounting and adaptation features.

Greater throughput with absolute precision.

There's one thing you'll particularly like about Herkules BASIC, and that's its speed.

It images 533 scan lines in one second – that's 32000 revolutions per minute – exactly the same revolution speed as the deflecting mirror. And, thanks to the top-class expertise of our engineers, you won't get any vibration, even at such high speeds.

So you can make the most of our engineers' know-how – in just 70 seconds you can image four A4 pages at a resolution of 1270 dpi. That's an amazing 859 mm per minute.
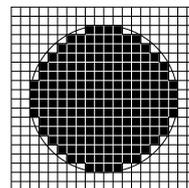
Better resolution quality.

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. So you have the very best choice of resolutions for both standard requirements and demanding 80 l/cm screen jobs.
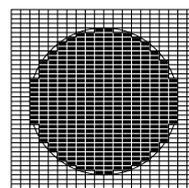
The professionalism of Herkules BASIC comes to the fore in its asymmetric resolution – Delta

Technology doubling the resolution in FastScan or drum circumferential direction.

This means that the required screen can be imaged at a lower resolution level – great for short imaging times and even better quality.

Symmetric imagesetter resolution with the same number of pixels in the fast and slow scanning directions.

Asymmetric imagesetter resolution with doubled resolution in the fast scanning direction.

Superior performance saves you time and money.

It's not difficult to see why Herkules BASIC performs so well. Take the TouchChip technology in the material supply cassette, which records all specified material and recorder parameters. When the cassette is changed, it only takes a few seconds to load the stored data for the exposure value setting, start coordinates, material widths, material type, material name and material thickness, and the imgaesetter is then ready to go. This cassette changing method saves you time and money. Up to 100 different materials can be handled without any problems.

And what used to be setup time is now profitable production time. Yet another avantage is remote control. With Output-Control™ and OutputManager™, you can call up the state of the recorder from the workstation during material uptake and imaging. The same goes for other functions, such as monitoring the level of material in the supply and collecting cassettes.
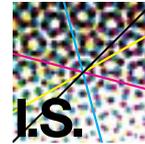
Simple to operate.

There's one thing that operating an imagesetter should not do, and that's give you any problems. 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 – without having to go through submenus. They say that a picture tells a thousand words – which is why Herkules BASIC smiles at you while it's waiting for the next job.

Delta Software RIP – the system behind your production.

The system behind your production is a brand new RIP concept from Heidelberg® Prepress, consisting of a Delta Workstation, PostScript™ Interpreter software and screen software. Using the Herkules BASIC operating system and equipped with the PCI board and SpeedWay® interface, the Delta Workstation gives you a high throughput. We can assure you that your entry to Delta Technology with Delta Tower will be problem-free, because Delta Software and Delta Technology have a lot in common – the user interface, the Adobe™ Interpreter, a standard hardware platform and the Windows NT™ operating system.

We're there when you need us.

Whether you need training or instruction, Hotline assistance, installation or field services, updates or upgrades, we'll do our best to make sure you won't find a better partner. Our service is all part of the package. Just ask.

*The Delta Tower:
An extra bonus
from Heidelberg.*

Technical data

System description	High-precision laser recorder
Light source	Laser diode, emissions 670 – 680 nm
Imaging principle	Light beam deflected by a rotating, air-cushioned prism; internal drum principle
Maximum format size	762 × 558 mm (30 × 22 inch)
Imaging format Herkules BASIC	750 × 558 mm (29.5 × 21.9 inch) Scan line length 558 mm (inside drum circumference)

Resolution and recorder speed

Resolution		Max. speed	
Pixels/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-reading and wrong-reading; Duplo, Double-Duplo and Quadro
Photographic materials in roll-form	Film, RC paper, direct printing foils, 0.1 – 0.18 mm thick; sensitive to light emmissions 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 inch)
Photographic material specifications	Internal diameter of cardboard core 72 mm with special end caps; emulsion outside; special packaging for insertion into feed cassette during daylight operation
Capacity of supply cassette	Max. 60 m with 0.10 mm thick photographic material, dependent on material
Capacity of take-up cassette	Approx. 20 m with 0.10 mm thick photographic material, dependent on material
Voltage	115 or 230 Volt AC
Power consumption	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 × H × D)	1510 × 930 × 780 mm (59.4 × 36.6 × 30.7 inch)
Weight	Approx. 510 kg
Interfaces	SpeedWay interface = high-speed interface for bitmap transmission and communications interface; X69 = interface for online processor
Options	Register option on long format side: 'Control 2000' system from Bacher (Heidelberg standard); Grapho Metronic system (MAN Roland® standard); Stoesser system for American market. Online processor

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