

TECHNICAL DATA SHEET | TECHNICAL EQUIPMENT DZE GMBH

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PRE-PRESS ANALOG

Film production:	compact copier film developer, feeding width 50 cm
System of fits:	Bacher die-cutting, System 2000
Assembly:	maximum format IIIb
Plate making:	2 copying frames, maximum format IIIb 1 stripping and stepping machine, maximum format IIIb
Copying system:	Krause stripper stepper Rotastar 155 75 Useful size max. 750 x 750 mm Useful size incl. automatically masking 640 x 640 mm

PRE-PRESS DIGITAL

Data transfer via PDF files:	
Imposition station:	Signastation Version 7.0.10 Pro
Plotter:	HP Designjet 4000 printing width max. 1050 mm 600 dpi in standard mode
CTP:	Creo Trendsetter 3244 Format 740 x 1050 mm External-drum imagesetter for thermal plates

PRINTING

Machine supplier:	Koenig & Bauer, Radebeul
Type:	two presses Rapida 105-8 SW 4
Years of construction:	2005 2006
Colours:	max. 8 colours
Reversing device:	both presses transposable to face and reverse printing after 4th printing unit meaning 4 4-scale in one go
Printing material size:	max. 740 x 1050 mm Minimum in frontside printing 340 x 340 mm Minimal in face and reverse printing 400 x 480 mm
Gauge of printing material:	minimum: 60 gram sqm grammage maximum: 450 gram sqm grammage, also in face and reverse printing
Printable area:	image width in frontside printing max.: 1050 mm image length in frontside printing max.: 730 mm image width in face and reverse printing max.: 1030 mm image length in face and reverse printing: 720 mm
printing speed:	in frontside printing max.: 18.000 sheets h in face and reverse printing max.: 15.000 sheets h

We produce with ISO-scale inks fulfilling DIN ISO 2846-1 and PSO standard (standard for Offset printing) according to DIN ISO 12647-1 and DIN ISO 12647-2. Our in-house quality management also assures you a smooth workflow and production.

Special features of the feeder and the printing units:	adjustment of size automatically by Ergotronic remote control console
	double-sized impression cylinders and transfer systems, that's why higher grammage is possible i.e. production of covers for magazines and catalogues
	fully-automated plate change
	video system to control sheet travel

For further information see: WWW.DZESSEN.DE

SPECIFICS OF MEASUREMENT AND CONTROL TECHNOLOGY

Densotronic-S

This system enables you to do the following two things:

Densitometry is fast and is in close connection with the thickness of the ink film by measuring changes in the quantity of light (absorption, reflection). The ink density is measured in the print control bar by a densitometer.

In contrast, colour metrics is measured by finding the chromaticity coordinate (hue, saturation and brightness)

It provides you with more precise and reproducible values and colour variations which come up to our own visual taste. Spectrophotometric measurement is done on specific measuring points in the images all over the printing sheet.

Logotronic:

Converting Cip4-data from pre-press CtP into ink zone setting at the press
You can get job journals, production journals, daily, weekly and yearly reports on call which allow reproducibility of the jobs!

BOOKBINDERY

Cutting machine POLAR: max. size 1370 x 1460 mm

2 steel folding machines with vertical pile feeder:

max. size 780 x 1120 mm, min. size 150 x 210 mm

6 buckle plates in the first folding unit, 4 buckle plates in the second folding unit

1 steel folding machine with vertical pile feeder:

max. size 520 x 900 mm, min. size 150 x 200 mm

4 buckle plates in the first folding unit, 4 buckle plates in the second folding unit

1 steel folding machine with vertical pile feeder:

max. size 780 x 1960 mm, min. size 150 x 200 mm

4 buckle plates

1 steel folding machine with rotary pile feeder:

max. size 940 x 1320 mm, min. size 200 x 250 mm

6 buckle plates, 2 x knife-fold

1 steel folding machine with rotary pile feeder:

max. size 780 x 1160 mm, min. size 150 x 200 mm

4 buckle plates, 2 x knife-fold

Special folding on request!

1 saddle-stitcher Müller-Martini:

8 automatic stations + trimmer and compensating stacker as well as postcard gluer

max. size 300 x 420 mm, min. size 98 x 148 mm

1 saddle-stitcher Müller-Martini:

4 stations with optical control device, 1 station cover feeder,

wire-stitching, trimmer, ink jet table, compensating stacker, sealing station

max. size 350 x 480 mm, min. size 98 x 297 mm

card gluer for gluing postcards, small brochures, CDs as well as product samples

gatherer Theissen & Bonitz:

10 gathering stations up to ten single sheets

max. size 350 x 500 mm, min. size 70 x 100 mm

straight and criss-cross delivery

small machines: perforating, drilling, bundle

Further packaging, logistics and fulfilment on request.