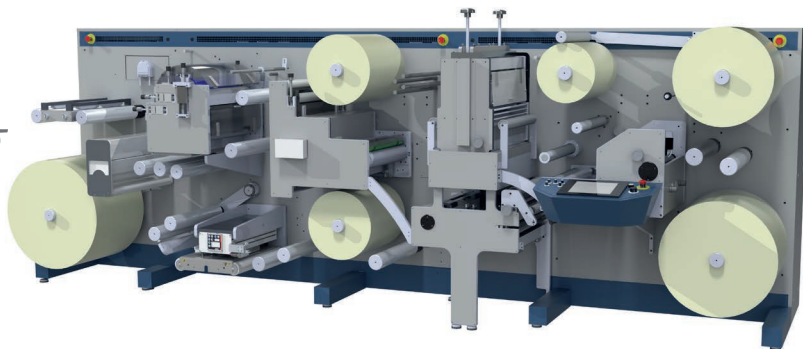


DC500

*Single unit in-line
or off-line converting
for digital workflows*



As digital label printing continues to grow, label-printing houses are realising the need for all-inclusive digital printing systems that provide value-added features for producing fully finished labels. The DC500 from Grafisk Maskinfabrik offers the ideal solution. A complete converting and finishing unit, this product was specially created for use with digital printing presses.

The DC500 can be set up as an in-line extension to a digital label printing system, allowing the web to continue directly into the converter from the digital press. It can also be used as an off-line converting and finishing unit for jobs from other digital presses or conventional presses. It can even function as a printing press for specialised value-added solutions.

MODULAR PLATFORM FOR ADDED EXIBILITY

Customisable to fit your needs, depending upon the specific application.

PRECISION CUTTING TO REDUCE WASTE

Print-to-cut registration in just one rotation no station; no station movement or mechanical set-up required; semi and full-rotary die cutting.

SPEED AND VERSATILITY

Adjustable repeat lengths from 2" - 22.5"; line speeds up to 72 meters per minute.

VARNISH FINISHING OPTIONS

UV flexo varnish station with registration; SUPER-gloss varnish capabilities.

SERVO-DRIVEN WEB TENSION CONTROL

Ensures accurate processing over a wide range of substrates.

FULLY CUSTOMISABLE AND UPGRADEABLE

Multiple options available to customise your system.

EASY WEB ACCESS AND MAINTENANCE

Cantilevered design.

The GM DC500 integrates the most advanced converting and finishing techniques available today. When used together with a digital label press, this innovative unit gives professional label printers a complete and versatile solution for high-volume digital printing. -

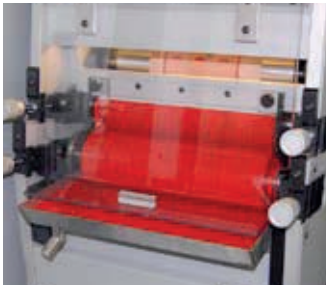
"Converting made easy"

OPTIONS

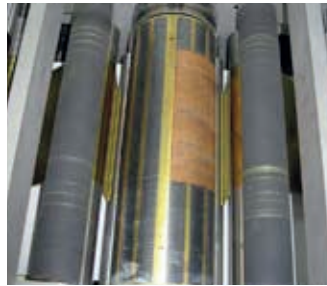
Buffer for 3 minutes of operation (48 meters of storage)

- RL14 roll lifter
- Lamination station
- Spot varnish (Servo registration system for spot varnish / glue / cold foil including roller)
- Sleeve 10" - 19" for Flexo station
- Splice table
- Back scoring module (easy waste matrix pickup)
- Waste compression roller
- Extra rewind spindle
- Ink pump
- Hot air dryer (11.6 KW)
- External 1000mm / 200kg jumbo unwind
- Shear knife station with 3 knives (replaces crush knife station)
- Extra Flexo varnish with UV system
- Extra full-rotary die station (for die cut or embossing)
- Extra semi-rotary die station (for die cut or embossing)
- Semi-rotary hot fail station with foil saver / oil heater / independent station (GS-GabMaster)
- 25" die instead of the standard 15" die
- Corona treater
- Kocher+Beck GabMaster PLUS
- Conveyer system for sheet die cutting
- Small external conveyer
- Stacker for conveyer
- Stork RSI silk screen with register system. (This includes a GEW UV lamp)
- Sheet output module
- Stacker
- Extra die station

DC500



The **exographic printing station** can run as a full flood varnish station or a spot varnish in register to pre-printed web.



The optional semi-rotary hot foil station provides high quality gold, silver or hologram printing.



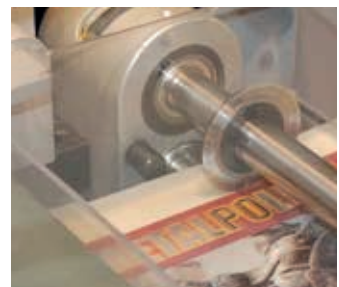
Combined UV / self-adhesive **lamination** and **super-gloss** station.



The **semi-rotary die cutting** unit accurately cuts the pre-printed web with a register system that reacts and compensates for misprints.



Digital presses cannot print gold-silver. **Cold foil** can apply the effects by glueing a metallic foil onto the web.



SPECIFICATIONS	METRIC	IMPERIAL
Web width	100mm - 500mm	4" - 20"
Substrate	50gsm - 200gsm	
DIE STATION		
Semi-rotary speed	40m/min	105ft/min
Full-rotary speed	72m/min	236ft/min
Die plate size (repeat)	50mm - 558.8mm	2" - 22"
REWINDER/UNWINDERS		
Max. Internal unwind	Ø600mm	27.6"
Max. Single or dual shaft rewind	Ø500mm	19.7"
Core diameter	76.2mm or 152.4mm	3" or 6"
FLEXO STATION		
Cylinder size (Cliché)	254mm - 482.6mm	10" - 19"
Spot varnish option (digital sensor register control)		
SLITTING STATION		
Knife type	Pneumatic crush, shear or razor knife	
Minimum distance crush	12.7mm	0.5"
Minimum distance shear	10mm	0.4"

Power / Air	3x400V+N+PE, 63A / 5bar
Size (WxDxH)	5.0m x 1.3m x 1.7m
Exhaust	Ø100mm, 800m³/h. Outside.



Grafisk Maskinfabrik