



GM DC330 Label Converter



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 DC330 from Grafisk Maskinfabrik (GM) offers the ideal solution. A complete converting and finishing unit, this product was specially created for use with digital printing presses.

The DC330 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 specialized value-added solutions.

- **Modular platform for added flexibility**
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 setup required; semi and full-rotary die cutting
- **Speed and versatility**
Adjustable repeat lengths from 2" - 21"; line speeds up to 50 meters per minute
- **Varnish finishing options**
UV flexo varnish station with registration; SUPERgloss varnish capabilities
- **Servo-driven web tension control**
Ensures accurate processing over a wide range of substrates
- **Fully customizable and upgra deable**
Multiple options available to customize your system
- **Easy web access and maintenance**
Cantilevered design

The GM DC330 integrates the most advanced converting and finishing techniques available today. When used together with the a digital label press, this innovative unit gives professional label printers a complete and versatile solution for high-volume digital printing.

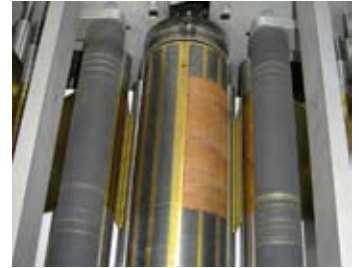
- "Converting made easy"

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 foil station with foil saver / oil heater / independent station (GS-GabMaster)
- 25" die instead of the standard 15" die
- Corona treater
- 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



The **flexographic 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.



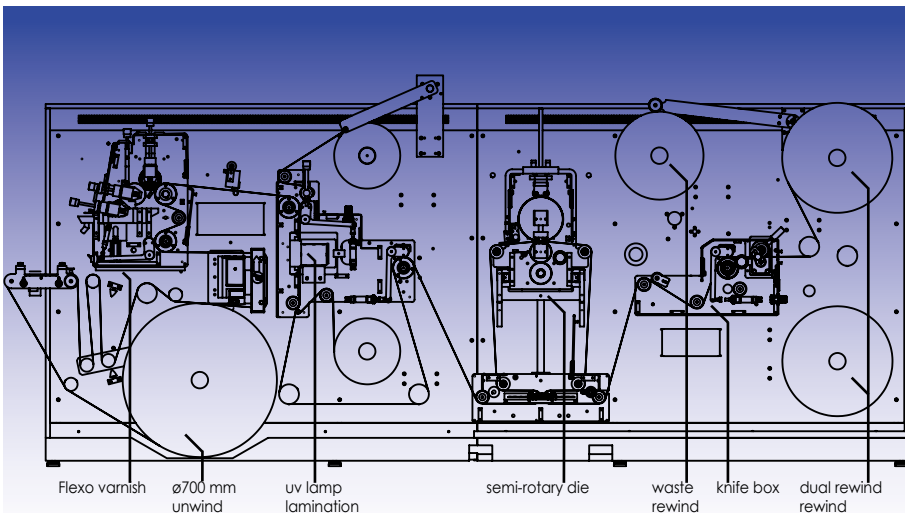
Digital presses cannot print gold-silver. **Cold foil** can apply the effects by glueing a metallic foil onto the web.



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



The **slitting station** can use either a shear (rotary), razor or crush knife.



Specifications

(metric / imperial)

Web width	200 mm - 330 mm	8" - 13"
Substrate thickness	20 µm - 200 µm	0.8-8 points
Die Station		
Speed in digital mode	50 m/min	150 feet/min
Speed in analog mode	72 m/min	237 feet/min
Die plate size	50.8 mm - 520.7 mm	2" - 20.5"
Rewinder/Unwinders		
Reel diameter on internal unwind max.	700 mm	27.5"
Single or dual shaft rewind max.	500 mm	19.5"
Core diameter	76.2 mm or 152.4 mm	3" or 6"
Flexo Station		
Varnishing roller	Ø228 - 406 mm	9" - 19"
Spot varnish option with registration and slow run.		
Slitting Station		
Knife type	Pneumatic crush, shear or razor knife	
Minimum distance crush	12 mm	0,50"
Minimum distance shear	10 mm	0,40"