LC350
Compact Laser Finishing

CONVERTING MADE EASY
www.gm.dk
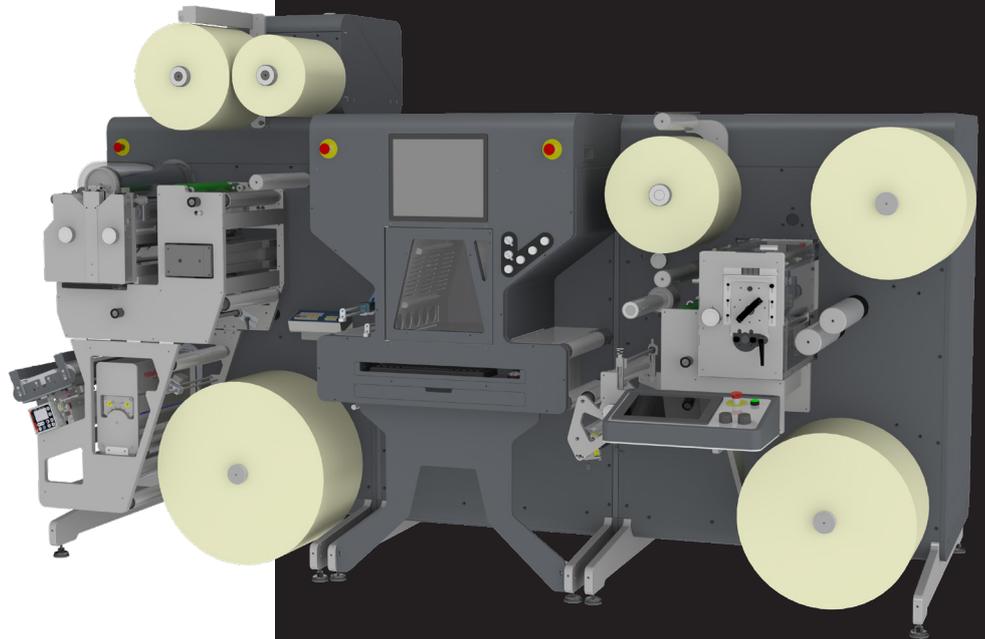
SPECIFICATIONS	METRIC	IMPERIAL
Web width	50 – 350 mm	2 – 13.8"
Substrate thickness	20 – 200 µm	0.8 – 8 pt.
Max machine speed	72 m/min	236 ft/min
Laser Die		
Power	175 W, 250 W or 350 W	
Laser type	Sealed, single head pulsed CO2	
Unwinder		
Diameter max.	700 mm	27.6"
Core diameter	76.2 – 152 mm	3" – 6"
Rewinder		
Diameter max. lower rewind	600 mm	23.6"
Diameter max. upper rewind	500 mm	19.7"
Core diameter	25.4 – 152.4 mm	1 – 6"
Flexo Station		
Varnishing roller	254 – 711 mm	10 – 28"
Spot varnish option with registration and slow run		
Slitting Station		
Knife type	Pneumatic crush, shear, razor or SmartSlit	
Minimum distance crush	12.7 mm	0.5"
Minimum distance shear	10 mm	0.4"
Minimum distance shear (automatic setup)	20 mm	0.8"
Dimensions (WxDxH)	3.5 x 2.9 x 2.2 m	11.6 x 9.4 x 7.1 ft

The **LC350** as a compact, economical and fully digital laser finishing machine is an excellent choice for digital label press. The basic configuration has laser die, slitting and dual rewind. Moreover, more complex setups are possible, including varnishing with SmartFlexo station, spot varnish, lamination, cold foil and SmartSlit with an automatic knife positioning system.

To run the machine simply download a file or scan a barcode and the laser module is ready. The laser is available in 250 W and 350 W versions and the label cutting power can be modulated depending on the final effect you want to achieve. The laser module is built on a standard GM frame and is designed to fit into any GM converting line, such as DC350, with minor electrical and mechanical modifications.

The machine supports multiple laser processes and the laser beam will kiss-cut, slit, perforate and ablate most materials used in the label industry. This eliminates both the vast tooling costs and downtime for setups of mechanical dies, while at the same time increasing your design possibilities to more complex and intricate arrangements of high accuracy. The **LC350** works based on fully digital position system. This solution offers excellent register (X & Y) and cut depth control, which gives you greater flexibility in the design of labels and an increase in precision and quality of label edges.

LC350

Features and options

- *Fully digital mirror system for superior laser cut quality*
- *High-performance LUXINAR sealed lasers*
- *Precise register and cut depth control*
- *Excellent choice for digital label press*

- *Zero changeover time*
- *Job change on the fly*
- *No die plate cost*
- *Online support and remote diagnostics*
- *Industry 4.0 ready*

Easy to use windows software. The system is compatible with Adobe Illustrator and works with PDF, SVG and SLD files.

Barcode reader for fast reload of existing jobs. The reader supports QR codes that can be printed on the web.
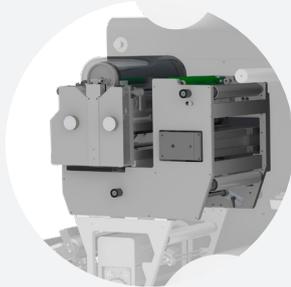
SmartFlexo Station - flower style with registration system for spot varnish and cold foil print.

SmartSlit - automatically positions up to 16 knives in 2 minutes, saving valuable time on short run jobs.

Quick delivery
With near zero setup time for existing and new jobs, this system counters the challenges of smaller runs and shorter lead times, thus ensuring day-to-day delivery of labels. An investment in the LC350 will give you continuous production and increase efficiency and productivity.

Cost savings
Save the cost of buying conventional die plates, and spare the time spent setting up a new job. The LC350 will increase the flexibility of your production facility to take on short runs and lead times and is almost certainly the most cost-efficient laser die cut solution.

Compatibility
The laser software reads the most common data formats like PDF, SVG and SLD and can work with Adobe Illustrator files. It supports Ethernet for Windows file access.