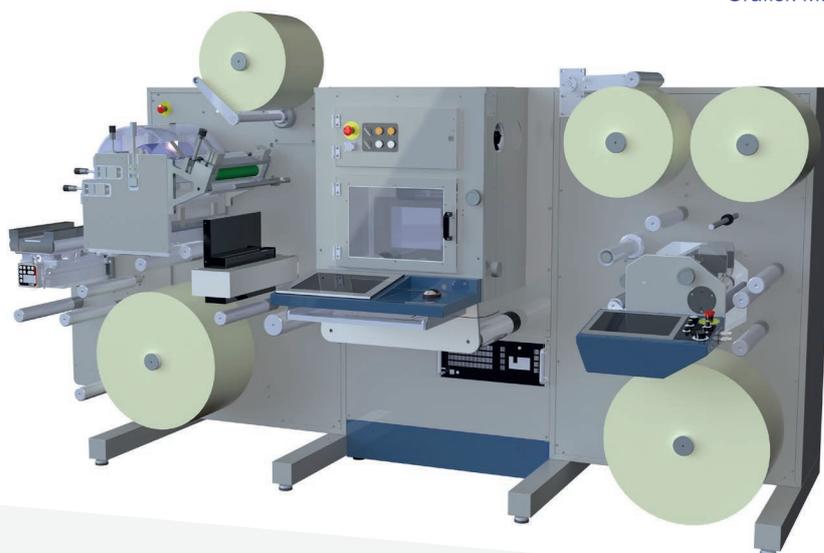


LC330

Compact laser finishing



Powerful toolless converting system for self-adhesive labels.

The key to a continuous and wide-ranging printing and finishing process is a fully digital workflow – from press to converting. The GM LC330 contributes to this by incorporating the latest laser technology into our existing converting units.

By adding the GM LC330 to your production line, we ensure the efficiency and quality of your output.

The GM LC330 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. On the LC330 we have opted out the standard analogue position system in favor of a fully digital position system. This new design offers better register (X & Y) and cut depth control (Z), which gives you greater flexibility in the design of labels and an increase in precision and quality of label edges.

The GM LC330 comes on a standard 1m GM frame and is designed to fit into any GM converting line with minor electrical and mechanical modifications. A typical configuration is flexo-graphic varnish, laser cutting slitting and rewind - but other ore complex setups are possible.

ADVANTAGES OF THE LC330

QUICK DELIVERY

With near zero setup time for existing jobs and five minutes setup for 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 LC330 will give you continuous production and unlimited repeat lengths to 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 LC330 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.

UPGRADE PATH

The LC330 system can be upgraded up to 1000 W. The laser mirror system and control cards will remain in the unit - only the laser source is upgraded. This ensures a long lifetime of the machine and the full benefit of future low cost high power lasers.

CUTTING SPEEDS

speed table in m/min. Laser types:

SIZE	SAPHE	LAYOUT	DESING
Ø 150mm	Circle	1up	
Ø 140mm	Circle	2 across	
Ø 20mm	Circle	10 across	
75 x 30mm	Rectangle	3 across	
94 x 44mm	Rectangle	4 across	
50 x 50mm	Square	4 across	

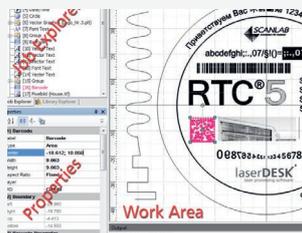
400W/1600W		250W/800W		100W/400W	
PAPER	PP	PAPER	PP	PAPER	PP
89,7	234	69	180	20,7	48,3
46,28	101,4	35,6	78	10,6	25,5
7,41	13,65	5,7	10,5	2,3	5,2
30,68	53,82	23,6	41,4	7,9	18,4
22,1	38,22	17	29,4	5,7	13,9
15,86	26	12,2	20	4,3	10,4

RED - Please note that maximum speed of the finisher is 72m/min (web speed)

LC330



As standard the unit features a BST web guide with an ultra sonic fork. The web guide supports normal and transparent webs.



Easy to use windows software. The system is compatible with Adobe Illustrator, AutoCad DXF and standard SVG vector files



Splice table with tape dispenser and airclamps for easy and break-free splicing.



Pneumatic crush knives with fast set screw. Knives are controlled from touch screen. Set your slitting up in a few minutes.



Barcode reader for fast reload of existing jobs. The reader supports QR codes that can be printed on the web



Unwind for self-adhesive unsupported laminates. Fast and trouble free protection of digital print. Optional support paper rewind.



Large 10" color touch display with clear indication of web path. Knobs for stepless tension setting on rewind spindels.



Internet support and diagnostics. If your operator has a problem - GM engineers can "take over the screen" and assist.



Grafisk Maskinfabrik

SPECIFICATIONS	METRIC	IMPERIAL
Web width	50mm - 330mm	2" - 13"
Substrate	50gsm - 200gsm	
Speed	Up to 72m/min (236ft-min) - depending on laser power/cut pattern	
REWINDER/UNWINDERS		
Max. internal unwind	Ø700mm	27.6"
Max. single or dual shaft rewind	Ø450mm	17.7"
Core diameter	76.2mm or 152.4mm	3" or 6"
LASER DIE		
Power	100W, 250W or 400W	
Laser type	Single head pulsed CO ₂	
Laser spot size	350µm	
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, 32A / 5bar	
Size (WxDxH)	3.3m x 2.4m x 1.7m	
Exhaust UV	Ø100mm, 800m ³ /h. Outside.	
Exhaust LASER	Ø160mm, 800m ³ /h. Outside.	