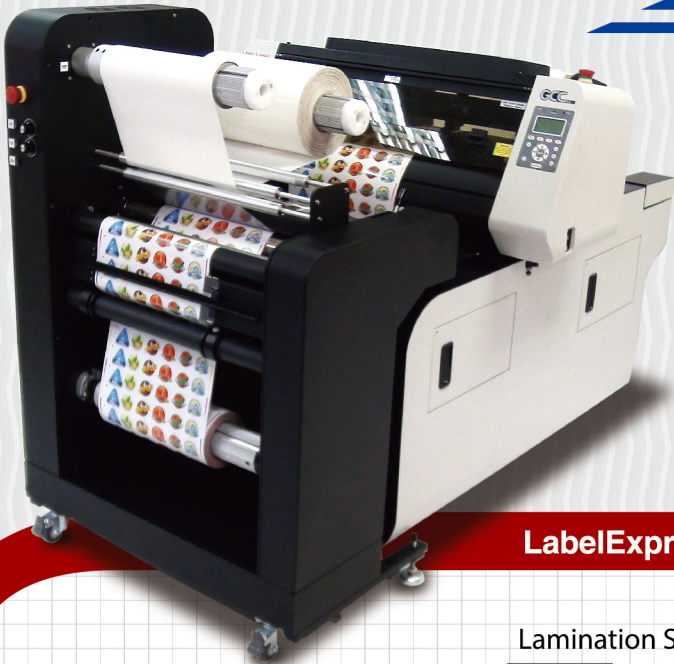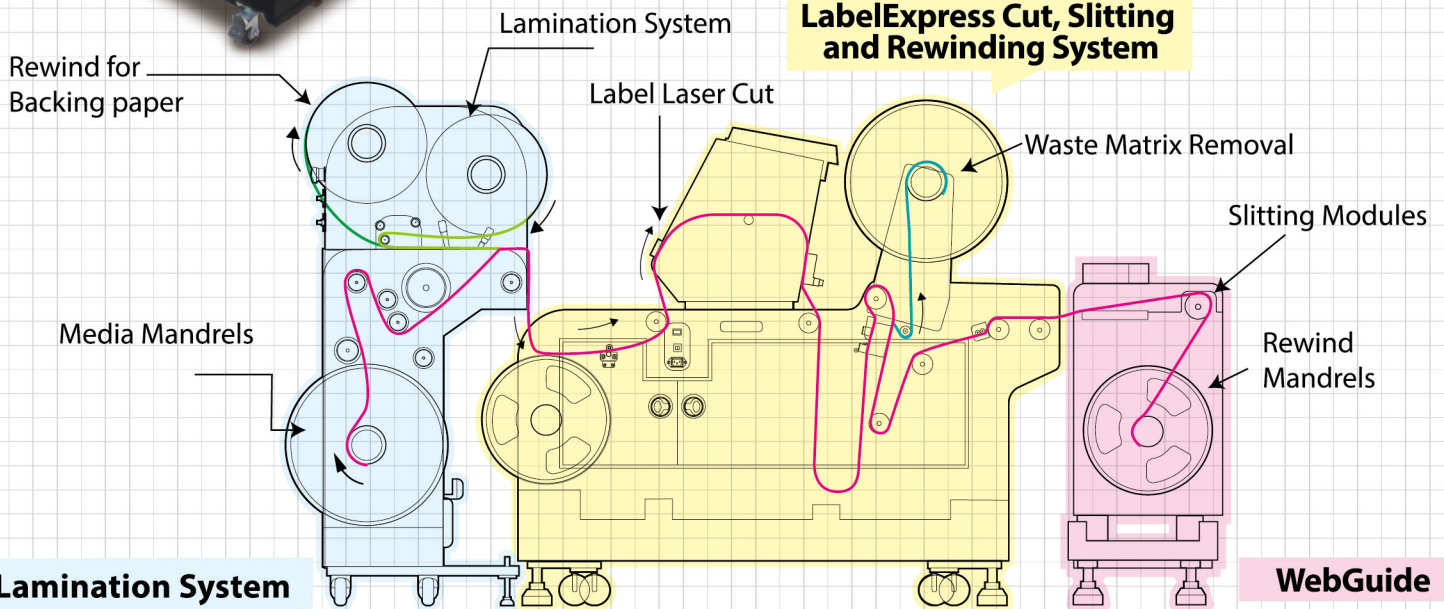# GCC

Label
LASER LABEL FINISHER
Express

The Fastest Digital Laser Finisher in its Class

GCC digital laser finishers with contactless laser beam handles die cutting, kiss cutting, bridge cutting and lamination (optional). Along with the automatic laminating, winding/unwinding system, waste removal roll, CCD camera and slitting modules, LabelExpress offers completed digital and automatic solution for both roll and sheet laser cutting. No extra tooling expense and waiting time needed, ultimate flexibility to fulfill dynamic market demands.
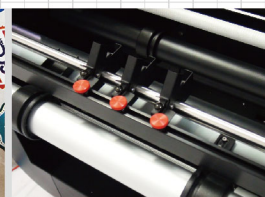
LabelExpress with Laminator System

LabelExpress Cut, Slitting and Rewinding System

Rewind for Backing paper

Lamination System

Label Laser Cut

Waste Matrix Removal

Slitting Modules

Media Mandrels

Rewind Mandrels

Lamination System

WebGuide

| CCD Camera | Bridge Cutting | Kiss Cutting | Slitting Module (Optional) | Auto Sheet Feeder(Optional) | WebGuide (Optional) |

Features:

- Automatic winding / unwinding system
- Emergency stop
- Down vacuum to hold materials flat for laser cutting
- CCD camera to perform precise contour cutting
- Beam path with dust protection window to minimize maintenance
- Top vacuum to take out debris and exhaust during laser cutting

- Edge guiding module to keep materials consistently feeding
- Reliable steel drum material driven technology
- Built-in LED light to illuminate working space
- Air assist to protect lens of laser carriage
- Optional add-on sheet to sheet module
- Optional Web Guide system provides supper accurate re-wind quality

LabelExpress LASER LABEL FINISHER

Model Number		LE15-20V93	LE15-30V	LE15-25Vi102
Wattage		20W 9.3-µm	30W 10.6-µm	25W 10.2µm
Cutting Width		381 mm (15 in.)		
Work Area (Sheet) (W x L)		381 x 500 mm (15 x 19.7 in.)		
Max. Label Graphic Size		381 x 330 mm (15 x 13 in.)		
Max. Roll Material Size	Width	400 mm (15.7 in.)		
	Size	76.2 mm (3 in.) core with 300 mm (11.8 in.) diameter		
	Weight	25 kgs		
Laser Source		Sealed CO_2 Laser		
Drive		Closed-loop DC Servo Control		
Roll to Roll		Stepper motor Control		
Maximum Motor Speed		1,524 mm/s (60ips) (for straight line cutting)		
Speed Control		Adjustable from 0.1-100 % (Up to 16 color-linked speed settings per job)		
Power Control		Adjustable from 0-100 % (Up to 16 color-linked speed settings per job)		
Alignment System		CCD Module		
Distance Accuracy		0.254 mm or 0.1 % of move, whichever is greater		
Computer Interface		Standard USB port		
Operating Systems		MS Windows		
Display Panel		4-line LCD panel		
Paper Feeding		Auto feed sensor, re-winding system, paper alignment control, waste removal system		
Vacuum System		Down vacuum for media fixation		
		Top vacuum for media surface cleaning		
Process Materials		Paper, PET, *PP, *BOPP, etc.		
Safety		Class IV Laser Product Compliant with EN60825-1:2014 Class IV Laser Product Compliant with CDRH		
Dimensions (WxLxH)	Machine	1,070 x 1,441 x 1,180 mm (42.2 x 56.7 x 46.5 in.)		
	Shipping	1,570 x 1,300 x 1,470 mm (52 x 65.4 x 58 7 in.)		
Weight (WxLxH)	Machine	250 kg		
	Shipping	385 kg		
Facility Requirements				
Electrical		100~240 Volt AC, 50/ 60Hz, Auto Switching, Max. 10 Amp		
Power Consumption		MAX:1000W		

* For PP, BOPP materials, we recommend using laser source 10.2µm wavelength of 25 wattage.

Optional Item	LabelExpress Laminator
Lamination Width	MAX: 380 mm (15 in.)
Lamination Film	MAX: 250 mm (9.8 in.), with core 76.2 mm (3 in.)
Media	MAX: 300 mm (11.8 in.), with core 76.2 mm (3 in.)
Electric	100-240VAC, 50-60Hz, MAX. 5A
Power Consumption	500W
Lamination Type	Cold Lamination
Media Type	Available with backing paper & without backing paper
Speed	Depends on LabelExpress feeding speed

Optional Item	Air Exhaust System / Compressor
Air Exhaust System	External exhaust system required (Air Flow: 1000~1500m³/h)
Compressor	Air Compressor required (Air Capacity: 64~81L/min)

Optional Item	Auto Sheet Feeder
Supported media	Landscape orientation: A4 (297 x 210 mm), SRA4 (320 x 235 mm) Portrait orientation: A3+ (329 x 483 mm), A3 (297 x 420 mm), SRA3 (320 x 450 mm), B3 (500 x 353 mm), A4 (297 x 210 mm), SRA4 (320 x 235 mm)
	Up to 350 g/m²
Capacity of Supply Tray	250 Sheets @150 g/m² or up to 50 mm height (It varies by the material, thickness and condition of media.)
Interface	Serial (RS-232C)
Power Source	100 to 240 V AC, Approx. 60W (MAX. 200W) at output power

Optional Item	Web Guide
Max. Roll Width	400 mm (15.7 in.)
Max. Roll Weight	27kgs
Power Supply	24V
Max. Absorption	4A
Slitting Width	Min. 30 mm (optional)

*Specifications are subject to change without prior notice.