GRAPHTEC

LABELROBO
LCX603 Series

Nameplate labels

Caution labels

Complex-shaped labels

Free-form Any shaped labels without dies

Easy to create high quality label
from one piece to a full run. Added 1 color / 2 color model.
3 models in our lineup!

LABELROBO is an all-in-one label printer that easily creates labels with characters and illustrations designed with a computer. Labels can be created quickly in the required quantity with short delivery, low cost, and minimal inventory.

Three models by the number of printing color!

1 color model* (only Black)
LCX603-01

2 color model* (Black + 1 color)
LCX603-02

3 color model (Black + 2 colors)
LCX603

* It is able to upgrade up to 3 colors. (Option)

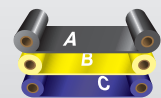### Weeding
Weeds automatically after cutting contour

Frame cut (Weed border) ON/OFF	Cross cutter ON/OFF

DIE-FREE Cutting
Cuts the contour without using cutting die by using the cutting plotter technology

Max. Cutting Speed 300mm/s	Max. Cutting Force 2.94N (300gf)	Registration mark sensing 3 points

Laminating
Laminates automatically after printing

Laminating ON/OFF

Printing max. 3 colors
Prints high quality in 600×1200dpi (Black & 2 spot colors)

Printing Resolution 600 x 1200 dpi	Ink Ribbon 7 colors	Printing Colors Max. 3 colors

www.graphteccorp.com

Easy to create high quality labels from one piece in the factory or the office !

LABELROBO LCX603 Series

Transferring data from PC ▶ Printing an image in up to 3 colors ▶ Laminating ▶ Cutting contour ▶ Weeding ▶ Cross-cutting ▶ Complete !
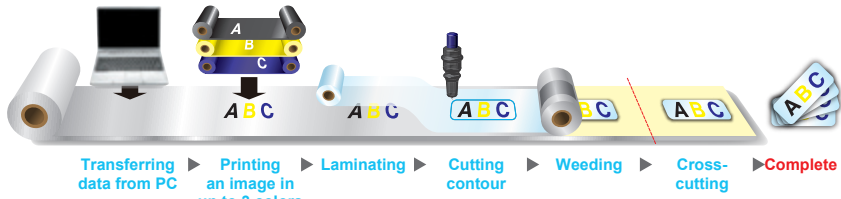
3 models up to 3 colors

The system is able to select the model from single-color, two-color and three-color options according to the application. Single color and two color model are capable of adding color by the optional upgrade kit.

Label design software: NiceLabel

Dedicated label design software is included as a standard accessory. Labels such as nameplate, caution, or information labels that include the characters, illustrations, barcodes, and QR codes can be easily created.

Printing an image in 3 colors

High quality printing in 600 x 1200 dpi by three colors is easily accomplished (black + 2 colors). Thermal transfer method is used; inks and solvents are not required.

Laminating

Laminate film is automatically applied after an image is printed. Polyester (PET) and polypropylene (PP) based materials are available. Durable labels are created.

Cutting contour

Contour cutting is performed automatically after the label laminated. The cutting tool allows a contour of any shape. A cutting die is not required. The labels can be created at low cost.

Weeding

Weeding mechanism is included, and waste matrix along the contour are wound for removal. Cross cutting is executed for each page after weeding is completed, and a label is created.

Specifications

Item			LCX603-01 (Single color model)	LCX603-02 (Two color model)	LCX603 (Three color model)
Printer section	Printing method		Thermal transfer		
	Resolution		600 × 1200 dpi, 600 × 600 dpi		
	Number of thermal head		1*1	2*1	3
	Printing colors		1 color (only black)	Max. 2 (black & 1 color)	Max. 3 (black & 2 colors)
	Printing speed		Max. 35 mm/s		
	Effective printing width		Max.100 mm		
	Effective printing Length		40 mm – 200 mm (in each label)		
	Printing position accuracy		N/A	+/- 0.3 mm or less (after adjusted in the menu)	
	Min. printing character size		8 pt		
	Min. printing line width		0.3 mm		
	Ink ribbon	Size	width 120 mm, Length 100 m		
		Core size	Bore 1 inch, width 140 mm; Max. diameter of ribbon: 50 mm		
		Available ink ribbon	Semi-RESIN type: Black RESIN type: Black	Semi-RESIN type: Black, Red, Blue, Green, Orange RESIN type: Black, Red, Blue, Yellow, White	
	Label material		Width: 70, 80, 90, 100, 110, 120, 130 mm, Thickness: 25 μm - 85 μm		
			Outside diameter of roll: Max. 195 mm (approx. 100 m long) including 3-inch core		
	Laminate material		Width: 50, 60, 70, 80, 90, 100, 110 mm		
			Outside diameter of roll: Max. 140 mm including 3-inch core		
			Core size for take-up: Bore 1 inch, Width: 140 mm		
Cutter section	Cutting method		Contour cutting by knife blade		
	Cutting blade		Super-steel, 0.9 mm dia. (CB09UB)		
	Cutting area		Max. 100 mm x 200 mm		
	Cutting speed		Max. 300 mm/s		
	Print and cut alignment accuracy		0.5mm or less (after adjusted in the menu)		
Mainframe section	Interface		USB 2.0 (High speed), Ethernet (10BASE-T, 100BASE-TX)		
	LCD		20 characters, 4 line		
	Power supply		100 V to 240 V AC, 50 or 60 Hz		
	Power consumption		Max. 600 VA		
	Environment*2		Operating: 10 °C to 35 °C, 35 % to 75 % RH (non-condensing)		
			Guaranteed accuracy: 16 °C to 32 °C, 35 % to 70% RH (non-condensing)		
	External dimensions (W x D x H)		Approx. 1,035 mm x 423 mm x 614 mm		
	Weight		Approx. 67 kg	Approx. 69 kg	Approx. 71 kg
Separator section			Weeding and winding material automatically (Core size for take-up weeded material: 1 inch bore, Width: 140 mm)		
Cross cutter section			Cross-cut by the knife, Ejecting in sheet, Including tray		
Supported OS			Windows 10 / 8.1 / 8 / 7 / Vista		
Supported barcode			Code39, Code128,ITF, NW-7, UPC-A, UPC-E, UCC/EAN128, JAN8, JAN13, Post office customer bar code		
Compliance of standard			UL/cUL, FCC Class A, CE mark (Low Voltage, EMC derective), RoHS		

Standard accessories

Item	Quantity	Item	Quantity
AC Power Cable	1 pc	Flange for Ink Ribbon	1 pc
USB Cable (2.9m)	1 pc	Media Stocker	1 set
User's manual	1 set	Laminate Stocker	1 set
CD-ROM (Driver)	1 pc	Spool for take-up (laminate material)	1 set
DVD-ROM (Application software)	1 pc	Spool for take-up weeded material	1 set
Cutting blade holder (PHP33-CB09N-HS)	1 pc	Core for Take-up (separator/laminator)	4 pcs
Blade (CB09UB)	1 pc	Tension (Dancer) Roller	2 pcs
Ink ribbon (Semi-RESIN, Black color)	1 pc	Cleaner kit*3 (cleaning solution, stick)	1 set

*1. Number of thermal head is up to three (3) after the upgrade kit OPH-A30 is installed.
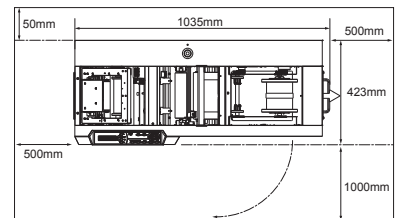*2. If there was a significant change in the environment, please adapt the main unit and media to the recommended environmental conditions and then use it.
*3. The cleaner kit is used to clean the thermal head.

Options

Item	Part No.	Description
Upgrade kit	OPH-A30	Upgrade kit for adding thermal head
Media holder	MH-01	Flange for label material

Supplies

Media for Label	Description	UL Compatibility	Package
FNS MAT N25-1310B-R4	Polyester film, Silver, 25 μm, 130 mm x 100m	Yes	4 rolls/box
FNS MAT N50-1310B-R4	Polyester film, Silver, 50 μm, 130 mm x 100 m	Yes	4 rolls/box
FNS MAT S50-1310B-R4	Polyester film, Silver, 50 μm, 130 mm x 100 m	Yes	4 rolls/box
FR1615-50-1310-R4A	Polyester film, Silver, 50 μm, 130 mm x 100 m	Yes	4 rolls/box
PET25A-1310B-R4	Polyester film, Clear, 25 μm, 130 mm x 100 m	Yes	4 rolls/box
PET50A-1310-R4	Polyester film, Clear, 50 μm, 130 mm x 100 m	Yes	4 rolls/box
FR1225-50-1310-R4A	Polyester film, Clear, 50 μm, 130 mm x 100 m	Yes	4 rolls/box
PETWH50A-1310-R4A	Polyester film, White, 50 μm, 130 mm x 100 m	Yes	4 rolls/box
FR1415-50-1310-R4A	Polyester film, White, 50 μm, 130 mm x 100 m	Yes	4 rolls/box
FR1015-50-1310-R4A	Polyester film, Yellow, 50 μm, 130 mm x 100 m	Yes	4 rolls/box
FR5311-85-1310-R4A	Synthetic paper, 85 μm, 130 mm x 100 m	Yes	4 rolls/box
FR6311-80-1310-R4A	Synthetic paper, 80 μm, 130 mm x 100 m	Yes	4 rolls/box
GLOSS PW-1310B-R4	Paper, 130 mm x 100 m	No	4 rolls/box
NP COAT PW-1310B-R4	Paper, 130 mm x 100 m	No	4 rolls/box

Ink ribbon	Description	UL Compatibility	Package
RP120-B-R4A	RESIN, Black, 120 mm x 100m	Yes	4 rolls/box
RP120-BL-R4A	RESIN, Blue, 120 mm x 100 m	No	4 rolls/box
RP120-R-R4A	RESIN, Red, 120 mm x 100 m	No	4 rolls/box
RP120-W-R4A	RESIN, White, 120 mm x 100 m	No	4 rolls/box
RP120-Y-R4A	RESIN, Yellow, 120 mm x 100 m	No	4 rolls/box
WD120-B-R4A	Semi-RESIN, Black, 120 mm x 100 m	No	4 rolls/box
WD120-R-R4A	Semi-RESIN, Red, 120 mm x 100 m	No	4 rolls/box
WD120-BL-R4A	Semi-RESIN, Blue, 120 mm x 100 m	No	4 rolls/box
WD120-OR-R4A	Semi-RESIN, Orange 120 mm x 100 m	No	4 rolls/box
PM-IS-024	Semi-RESIN, Green, 120 mm x 100 m	No	4 rolls/box

Film for Laminate	Description	UL Compatibility	Package
PET16-1110-R4A	Polyester film, Clear, 16 μm, 110 mm x 100 m	Yes	4 rolls/box
PET25-1110-R4A	Polyester film, Clear, 25 μm, 110 mm x 100 m	Yes	4 rolls/box
FR1225-16-1110-R4A	Polyester film, Clear, 16 μm, 110 mm x 100 m	Yes	4 rolls/box
PETS MAT25-1110-R4A	Polyester film, Clear (Mat), 25 μm, 110 mm x 100 m	Yes	4 rolls/box
FR1125-25-1110-R4A	Polyester film, Clear (Mat), 25 μm, 110 mm x 100 m	Yes	4 rolls/box
PP20-1110-R4A	Polypropylene, Clear, 20 μm, 110 mm x 100 m	Yes	4 rolls/box

Cutter blade	Description	Package
PHP33-CB09N-HS	Cutting blade holder, for CB09 type blade	1 set/box
CB09UB-5	Cutting blade, Super-steel, 0.9mm diameter	5 blades/box

Dimension & Layout (Spacing)

50mm — 1035mm — 500mm
423mm
500mm
1000mm

• Brand names and product names listed in this brochure are the trademarks or registered trademarks of their respective owners.
• Specifications are subject to change without notice. For more information about product, please check the web site or contact your local representative.

⚠ **For using equipment in correctly and safely**
• The before using it, please read the user manual and then please use it properly in accordance with the description.
• To avoid an occurrence of malfunction or an electric shock by leakage, please ensure ground connection and use it in specified power source.

GRAPHTEC
Graphtec Corporation

CE