



Gerber Solara ion™ series

The Gerber Solara ion is a line of wide-format, cationic UV, outdoor-durable inkjet printers from Gerber. A true flatbed* printer, the Gerber Solara ion series produces vivid, flexible, outdoor-durable graphics that are immediately usable. Its advanced GerberCAT™ inks and Cold Fire Cure™ technology are compatible with a wide range of flexible and rigid materials.

*Roll-to-roll capability currently available only on the Solara ion^X model

Feature	Benefit
GerberCAT™ cationic inks	<ul style="list-style-type: none"> ◆ Prints are dry and ready to use immediately ◆ Unmatched adhesion on materials problematic for other ink jet printers such as glass and textiles ◆ Ultra-flexible bond allows printing fleet graphics, vehicle wraps with tight curves, and smooth application over rivets
Cold Fire Cure™ technology	<ul style="list-style-type: none"> ◆ Low energy cure enables system to print on wider range of heat-sensitive media and substrates including uncommon or unique materials ◆ No VOC's, no odors, and no environmental ozone
Expanded color gamut	<ul style="list-style-type: none"> ◆ Produces intense Reds, Greens, and Blues for noticeably more vibrant full color prints
Durable output	<ul style="list-style-type: none"> ◆ Up to 3 years outdoors without lamination
True flatbed configuration	<ul style="list-style-type: none"> ◆ Able to print onto rigid substrates without materials movement (Additional Roll-to-Roll system available on Solara ion^X model only)
Wide throat	<ul style="list-style-type: none"> ◆ Can accommodate materials as wide as 64" and up to 1" thick
User-selectable print modes	<ul style="list-style-type: none"> ◆ 9 print modes including both 360 and 720 DPI print functionality
Quick change material system	<ul style="list-style-type: none"> ◆ Changeover from one material to another in a flash
Driven by ONYX®, Mistral™, and other software products	<ul style="list-style-type: none"> ◆ The ion interfaces with the most widely used graphic software programs in the world. (See local distributor for complete list)
Intuitive user interface	<ul style="list-style-type: none"> ◆ Easy for your staff to learn and operate
Easy maintenance	<ul style="list-style-type: none"> ◆ No "wake up" or "put to bed" routines required of typical inkjet systems, the ion is ready to go and daily maintenance takes only moments

Specifications

	ion ^x	ion ^v
Print Head Set	Two print heads per color	One print head per color
Resolution	Up to 720 dpi, multi-pass printing	Up to 720 dpi, multi-pass printing
Print Throughput	9 User-selectable print modes (See table below)	9 User-selectable print modes (See table below)
Max Printing Width (Flat material)	64" x 120" Full-Bleed (162cm x 305cm)	64" x 100" Full-Bleed (162cm x 254cm)
Max Printing Width (Roll material)	63" (160cm)	N/A
Max Material Thickness	Up to 1" (25mm) thick	Up to 1" (25mm) thick
Overall Size	104" (W) x 148" (L) x 54" (H) (264cm x 376cm x 137cm)	104" (W) x 140" (L) x 54" (H) (264cm x 355cm x 137cm)
Printing Technology	Piezo, drop-on-demand Cationic UV curable	
Curing Technology	Cold Fire Cure™ low energy curing, patent pending	
Inkset	GerberCat™ Cationic UV Inks – bulk; 1 liter pouch	
Colors	4 colors: Vibrant C, M, Y, K	
Drying Method	Dual Cold Fire Cure UV lamps	
Communication Port	Ethernet TCP/IP	
Power Range	230/240 VAC, 50/60 Hz, 20 A, single phase	
Operating Temperature	65-75°F (18.5-23.5°C)	
Operating Humidity	40-60% RH (Not condensing)	
Venting	No special ventilation required	

Solara ion ^x		
User Selectable Print Modes	Print Through-put 4 x 8 sheet print timing from first to last swipe only	
	360 x 360	720 x 720
2-pass, bi-dir	320 ft ² /hr	---
4-pass, bi-dir	192 ft ² /hr	---
8-pass, bi-dir	108 ft ² /hr	---
2-pass, uni-dir	240 ft ² /hr	65 ft ² /hr
4-pass, uni-dir	137 ft ² /hr	34 ft ² /hr
8-pass, uni-dir	69 ft ² /hr	18 ft ² /hr

Solara ion ^v		
User Selectable Print Modes	Print Through-put 4 x 8 sheet print timing from first to last swipe only	
	360 x 360	720 x 720
2-pass, bi-dir	181 ft ² /hr	---
4-pass, bi-dir	107 ft ² /hr	---
8-pass, bi-dir	55 ft ² /hr	---
2-pass, uni-dir	125 ft ² /hr	36 ft ² /hr
4-pass, uni-dir	70 ft ² /hr	18 ft ² /hr
8-pass, uni-dir	33 ft ² /hr	9.5 ft ² /hr

Performance Properties	Traditional Free Radical UV Ink	New GerberCat™ Cationic Ink
Cure Energy Required	High	Low
Adhesion	Good	Excellent
Flexibility	Poor	Excellent
Chemical Resistance	Fair	Good
Hardness/Gloss	Fair	Good
Opacity	Good	Excellent
Environmental Resistance	Good	Excellent

Printable Materials

The Gerber Solara ion series will print on almost any rigid or flexible substrate that you can think of!** The rigid material just has to meet the size limitations of less than 1" (25.4mm) thick and 64" (162.6cm) wide. The following list of commonly used rigid materials is not all-encompassing; you may have success with other materials not listed here.

PVC	polystyrene	MDO/MDF
glass	polycarbonate	chipboard/cardboard
acrylic	corrugated plastic	cabinet-grade plywood
styrene	painted aluminum	paper
cast vinyl	calendared vinyl	non-grommited banner
Instachange vinyl	mesh (lined)	backlit vinyl
reflective vinyl	window film	textile (canvas, flag)
sign foam (expanded and primed polyurethane)		

**Due to the wide range of supported materials, you should always test print on a material to determine if abrasion and adhesion resistance meet your expectation.