



## 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 available on all Solara ion models.

Feature	Benefit
<b>GerberCAT™ cationic inks</b>	<ul style="list-style-type: none"> <li>◆ Prints are dry and ready to use immediately</li> <li>◆ Unmatched adhesion on materials problematic for other ink jet printers such as glass and textiles</li> <li>◆ Ultra-flexible bond allows printing fleet graphics, vehicle wraps with tight curves, and smooth application over rivets</li> </ul>
<b>Cold Fire Cure™ technology</b>	<ul style="list-style-type: none"> <li>◆ Low energy cure enables system to print on wider range of heat-sensitive media and substrates including uncommon or unique materials</li> </ul>
<b>Environmentally friendly</b>	<ul style="list-style-type: none"> <li>◆ No VOC's, no odors, and no environmental ozone</li> </ul>
<b>Expanded color gamut</b>	<ul style="list-style-type: none"> <li>◆ Produces intense Reds, Greens, and Blues for noticeably more vibrant full color prints</li> </ul>
<b>Durable output</b>	<ul style="list-style-type: none"> <li>◆ Up to 3 years outdoors without lamination (Provided certain conditions are met)</li> </ul>
<b>True flatbed configuration</b>	<ul style="list-style-type: none"> <li>◆ Able to print onto rigid substrates without materials movement (Additional Roll-to-Roll configuration available)</li> </ul>
<b>Wide throat</b>	<ul style="list-style-type: none"> <li>◆ Can accommodate materials as wide as 64" and up to 1" thick</li> </ul>
<b>User-selectable print modes</b>	<ul style="list-style-type: none"> <li>◆ 10 print modes to customize your printing output between speed and resolution</li> </ul>
<b>Quick change material system</b>	<ul style="list-style-type: none"> <li>◆ Changeover from one material to another in a flash</li> </ul>
<b>Driven by ONYX®, Mistral™, and other software products</b>	<ul style="list-style-type: none"> <li>◆ Interfaces with the most widely used graphic software programs in the world. (See local distributor for complete list)</li> </ul>

## Specifications

	ion <sup>x</sup>	ion <sup>v</sup>
<b>Print Head Set</b>	Two print heads per color	One print head per color
<b>Resolution</b>	Up to 720 dpi, multi-pass printing	Up to 720 dpi, multi-pass printing
<b>Print Throughput</b>	9 User-selectable print modes (See table below)	9 User-selectable print modes (See table below)
<b>Max Printing Width (Flat material)</b>	64" x 120" Full-Bleed (162cm x 305cm)	64" x 100" Full-Bleed (162cm x 254cm)
<b>Max Printing Width (Roll material)</b>	63" (160cm)	N/A (Roll-to-Roll upgrade available)
<b>Max Material Thickness</b>	Up to 1" (25mm) thick	Up to 1" (25mm) thick
<b>Overall Size</b>	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)
<b>Printing Technology</b>	Piezo, drop-on-demand Cationic UV curable	
<b>Curing Technology</b>	Cold Fire Cure™ low energy curing, patent pending	
<b>Inkset</b>	GerberCat™ Cationic UV Inks – bulk; 1 liter pouch	
<b>Colors</b>	4 colors: Vibrant C, M, Y, K	
<b>Drying Method</b>	Dual Cold Fire Cure UV lamps	
<b>Communication Port</b>	Ethernet TCP/IP	
<b>Power Range</b>	230/240 VAC, 50/60 Hz, 20 A, single phase	
<b>Operating Temperature</b>	65-75°F (18.5-23.5°C)	
<b>Operating Humidity</b>	20-60% RH (Non condensing) Note: Take precautions against static.	
<b>Venting</b>	No special ventilation required	

Solara ion <sup>x</sup>		
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	6 min.	---
4-pass, bi-dir	10 min.	---
8-pass, bi-dir	18 min.	---
2-pass, uni-dir	8 min.	30 min.
4-pass, uni-dir	14 min.	57 min.
8-pass, uni-dir	28 min.	106 min.

Solara ion <sup>v</sup>		
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	11 min.	---
4-pass, bi-dir	18 min.	---
8-pass, bi-dir	35 min.	---
2-pass, uni-dir	15 min.	53 min.
4-pass, uni-dir	27 min.	107 min.
8-pass, uni-dir	58 min.	202 min.

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

## Printable Materials

We recommend for optimal results that you use Gerber qualified material, processes and procedures according to our Material/Substrate guidelines, available at: [www.gspinc.com](http://www.gspinc.com)

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-grommeted 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.