



## Gerber Solara ion™

The Gerber Solara ion is a true flatbed and roll-to-roll wide-format UV inkjet printer that produces vivid, flexible, outdoor-durable graphics that are immediately usable. Its advanced GerberCAT™ cationic inks and patent-pending Cold Fire Cure™ technology make it compatible with an unmatched wide range of rolled and rigid materials.

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> <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</li> </ul>
<b>True hybrid configuration</b>	<ul style="list-style-type: none"> <li>◆ Able to print both rigid and roll media</li> </ul>
<b>Wide throat</b>	<ul style="list-style-type: none"> <li>◆ Able to accommodate materials as wide as 64" and up to 1" in thickness</li> </ul>
<b>User-selectable print modes</b>	<ul style="list-style-type: none"> <li>◆ Variety of choices in print speed (up to 639 ft<sup>2</sup>/hr) and resolution (up to 1440 dpi)</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>◆ The ion interfaces with the most widely used graphic software programs in the world—many users are already well versed and proficient in</li> </ul>
<b>Intuitive user interface</b>	<ul style="list-style-type: none"> <li>◆ Easy for your staff to learn and operate</li> </ul>
<b>Easy maintenance</b>	<ul style="list-style-type: none"> <li>◆ 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</li> </ul>

# Specifications

<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>Print Head Set</b>	Two print heads per color
<b>Drying Method</b>	Dual Cold Fire Cure UV lamps
<b>Resolution</b>	Up to 1440 dpi, 720 x 720 multi-pass printing
<b>Production Capacity</b>	Performance 639 ft <sup>2</sup> /hr 2-pass Production 318 ft <sup>2</sup> /hr 4-pass High Quality 159 ft <sup>2</sup> /hr 8-pass Ultra High Quality 80 ft <sup>2</sup> /hr 8-pass uni-directional
<b>Max Printing Width</b>	64" rigid (Full-Bleed), 63" roll to roll 64" x 120" (162cm x 305cm), 63" (160cm)
<b>Max Material Thickness</b>	Up to 1" (25mm) thick
<b>Overall Size</b>	104" (w) x 54" (h) x 147" (d) 264cm (w) x 137cm (h) x 373cm (d)
<b>Communication Port</b>	Ethernet TCP/IP
<b>Power Range</b>	220 VAC +/- 10%, 50/60 Hz, 20 A, single phase
<b>Operating Temperature</b>	60-80° F
<b>Operating Humidity</b>	40-60% RH (Not condensing)
<b>Operating Altitude</b>	8,000' (2,438m) or less
<b>Venting</b>	No special ventilation required

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

©2007 Gerber Scientific, Inc. All Right Reserved