



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
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 hybrid configuration	<ul style="list-style-type: none"> ◆ Able to print both rigid and roll media
Wide throat	<ul style="list-style-type: none"> ◆ Able to accommodate materials as wide as 64" and up to 1" in thickness
User-selectable print modes	<ul style="list-style-type: none"> ◆ Variety of choices in print speed (up to 639 ft²/hr) and resolution (up to 1440 dpi apparent resolution)
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—many users are already well versed and proficient in
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

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
Print Head Set	Two print heads per color
Drying Method	Dual Cold Fire Cure UV lamps
Resolution	Up to 1440 dpi apparent resolution
Production Capacity	Nine (9) available print modes between: Highest Speed = 639 ft ² /hr 2-pass bi Highest Quality = 80 ft ² /hr 8-pass uni
Max Printing Width	64" rigid (Full-Bleed), 63" roll to roll 64" x 120" (162cm x 305cm), 63" (160cm)
Max Material Thickness	Up to 1" (25mm) thick
Overall Size	104" (w) x 54" (h) x 147" (d) 264cm (w) x 137cm (h) x 373cm (d)
Communication Port	Ethernet TCP/IP
Power Range	230 VAC +/- 10%, 50/60 Hz, single phase, 15 A continuous
Operating Temperature	65-75° F
Operating Humidity	40-60% RH (Not condensing)
Operating Altitude	8,000' (2,438m) or less
Venting	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

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