



PRINT your Potential



The Solara ion Family
Innovative UV Inkjet Printing

"I need a printer that will grow my business and make me more profitable."

Speed

The Solara ion offers the widest range of user-selectable print modes offering a variety of choices in print speed and resolution.

Quality

The Solara ion is built on a robust flatbed platform that provides the best possible foundation for printing rigid materials. Material up to 1"/25.4mm thick and 64"/1.6m wide is mounted on a vacuum table while a gantry moves the print heads over the substrate during printing.

Versatility

The Solara ion is easily the most versatile printer in the world. With true flatbed and roll-to-roll printer functionality; supporting the widest array of applications and material diversity.

Value

Gerber developed the Solara ion to exceed expectations in a wide-format printer, including the price. You simply won't find a better built, feature-rich wide-format printer than the Gerber Solara ion.



GerberCAT™ and Cold Fire Cure™

GerberCAT inks are an exclusive, **VIBRANT** four color (C,M,Y,K) cationic UV ink set. Combined with Gerber's patent pending Cold Fire Cure technology, GerberCAT Cationic UV inks are cured at approximately room temperature. This greatly expands the range of materials that can be printed by the Solara ion. Heat sensitive plastic, vinyl, fabric, paper-based materials, and even glass and metals can be printed with unmatched adhesion and abrasion resistance.

Cold Fire Cure offers a vast array of benefits over any competitive curing process in the areas of material compatibility, cost of operation, and even environmental health and safety.

The combination of Cold Fire Cure and GerberCAT inks makes the Gerber Solara ion one of the most versatile printers in the world.



Cationic UV ink for the widest array of applications. One ink set for both rigid and roll-to-roll applications, usable immediately after printing

True flatbed with robust foundation and vacuum table with 5 x 10 sheet, 1" thick, 64" full-bleed capacity

True roll-to-roll printer; 63" print width with 63" material capacity with integrated take-up



Cold Fire Cure patent pending low energy curing technology cures GerberCAT inks at room temperature to support the widest array of materials and the greatest variety of applications



GerberCAT Cationic UV Vibrant ink set provides unmatched adhesion and abrasion resistance

Performance Properties	Traditional Free Radical UV Ink	NEW GerberCat™ Cationic UV Ink
Cure Energy Required	High	Low
Adhesion	Fair	Excellent
Flexibility	Poor	Excellent
Abrasion Resistance	Fair	Excellent
Chemical Resistance	Poor	Excellent
Environmental Durability	Good	Excellent
Color Gamut	Poor	Excellent
Opacity	Good	Excellent

Performance Properties	Traditional Mercury Vapor	NEW Cold Fire Cure™
Generates environmental ozone	Yes	No
Lamp cost	High	Low
Lamp life	Aprx. 500 hrs.	Over 3,000 hrs.
Material compatibility	Moderate	Very High
Generates heat on material sur-	Yes	No

Specifications

	Solara ion ^x	Solara ion ^y	Solara ion ^z
Print Head Set	Two print heads per color	One print head per color	Two print heads per color
Resolution	Up to 720 dpi, (42pl)	Up to 720 dpi, (42pl)	Up to 720 dpi, (14pl)
Max Printing Width (Flat material)	64" x 120" Full-bleed (162cm x 305cm)	64" x 100" Full-bleed (162cm x 254cm)	64" x 120" Full-bleed (162cm x 305cm)
Max Printing Width (Roll material)	63" (160cm)	N/A	63" (160cm)
Print Through-put	9 User-selectable print modes (See table below)		
Max Material Thickness	Up to 1" (25mm) thick		
Overall Size (with Roll-to-Roll)	104" (W) x 148" (L) x 54" (H)	264cm (W) x 376cm (L) x 137cm (H)	
Overall Size (without Roll-to-Roll)	104" (W) x 140" (L) x 54" (H)	264cm (W) x 355cm (L) x 137cm (H)	
Printing Technology	Piezo, drop-on demand Cationic UV curable		
Curing Technology	Cold Fire Cure™ low energy curing, patent pending		
Ink Set	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°C - 23.5°C)		
Operating Humidity	40 - 60% RH (Not condensing)		
Installation	Crated; fits through 36" (91cm) standard door opening		
Venting	No special ventilation required		

Solara ion Print Through-put Times

(4' x 8' sheet, approximate print timing from first to last swipe only)

User-Selectable Print Modes	Solara ion ^x		Solara ion ^y		Solara ion ^z	
	360 x 360	720 x 720	360 x 360	720 x 720	360 x 360	720 x 720
2-pass, bi-dir	6 min.	---	11 min.	---	6 min.	---
4-pass, bi-dir	10 min.	---	18 min.	---	10 min.	---
8-pass, bi-dir	18 min.	---	35 min.	---	18 min.	---
2-pass, uni-dir	8 min.	30 min.	15 min.	53 min.	8 min.	30 min.
4-pass, uni-dir	14 min.	57 min.	27 min.	107 min.	14 min.	57 min.
8-pass, uni-dir	28 min.	106 min.	58 min.	202 min.	28 min.	106 min.