



TEKTWIN
MARKETING CORPORATION

Speed, Quality, Versatility and Value

The Solara ion

The most affordable, fully-functional, outdoor durable, wide-format ink jet printer in the world.



The Next Generation of UV Ink Jet Technology

The Gerber Solara ion™ is the result of Gerber's continued dedication to the global sign making and digital graphic printing industries. Through extensive customer research and years of technological development, Gerber has created the Solara ion.

This innovative printing system is driven by the latest developments in electronics and software to provide speed, accuracy and consistency; all of which have been designed to support Gerber's revolutionary, patent pending print engine technology. This new printing system is further enhanced by an entirely new Cationic UV ink set which yields features and benefits unmatched by any other printer.

The Gerber Solara ion is truly the most affordable, fully-functional outdoor durable wide-format printer in the world.



Speed

"It's all about getting the job done on time."

Gerber Solara ion delivers SPEED.

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

Performance mode is used for the fastest printing of images or short-term graphics with good quality results.

Production mode provides the best combination of speed and resolution.

Two **High-Quality** modes print crisp, clear graphics and 6 point text at resolutions up to 1440 dpi.



User-Selectable Print Modes	Speed	Quality
Performance (2-pass, bi-directional)	639 ft²/hr	---
Production (4-pass, bi-directional)	318 ft²/hr	159 ft²/hr
High Quality (8-pass, bi-directional)	159 ft²/hr	80 ft²/hr
Ultra-High Quality (8-pass, uni-directional)	80 ft²/hr	40 ft²/hr

Gerber Solara ion is EASY TO USE.

The Gerber Solara ion is designed for ease of use and dependability. The printer's user interface was developed to be highly intuitive. All critical system commands are on dedicated buttons on the control panel for instant access.

The design of the control panel is straightforward so the learning curve is significantly reduced. It is so intuitive to use that a new operator can be up and running proficiently literally in minutes.

To increase operator productivity and system throughput, a secondary control panel is located on the end of the flatbed table for quick and easy rigid material loading and system maintenance.



Visit www.gerbersonlara.com to see an animated product preview

Quality

"I need an inkjet printer that works as hard as I do."

Gerber Solara ion is HIGH QUALITY.

The Gerber 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 which provides the ultimate in stability, while a gantry moves the print heads over the substrate during printing.

This design eliminates the alignment errors that occur when moving rigid substrates through a printer. The result is precision printing on a wide variety of rigid materials.



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

The Gerber Solara ion has an expanded color gamut that produces intense reds, greens, and blues for noticeably more vibrant full color prints. In addition, GerberCAT inks have a three year, outdoor-durable life span. The combination of Cold Fire Cure and GerberCAT makes the Gerber Solara ion one of the most versatile printers in the world.

GerberCat Vibrant CMYK inkset provides unmatched adhesion abrasion resistance, and flexibility

From 639 ft² per hour to fine printing with crisp, clear 6 pt. text, the Solara ion has eight print modes to fit every printing application

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

Performance Properties	Traditional Free Radical UV Ink	NEW GerberCat™ Cationic UV 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

Versatility

"I need one printer for everything, not one printer for each thing."

Gerber Solara ion is VERSATILE.

The Gerber Solara ion is easily the most versatile printer in the world. With true flatbed and true roll-to-roll printer functionality; supporting the widest array of applications and material diversity; with print modes that range from high speed at 639 ft² per hour to crisp, clear 6 pt text the Solara ion is the printer of choice for any sign making or digital graphic printing environment.

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

True roll-to-roll printer; 63" print width with 64" material capacity with integrated take-up



Gerber's patent pending, Cold Fire Cure™ technology provides features in ink jet curing that are nothing less than revolutionary.

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."

This innovative technology cures GerberCat Cationic UV ink at room temperature, opening the door to a vast array of printing applications.

Highly flexible Cationic UV ink for vehicle graphics and wraps usable immediately after printing, one ink set for rigid and flexible applications

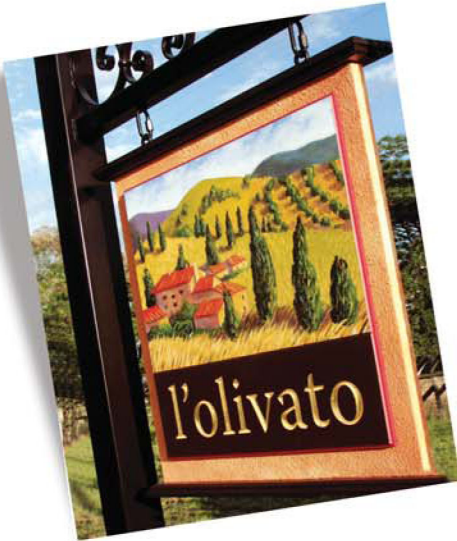
Performance Properties	Traditional Mercury Vapor	NEW Cold Fire Cure™
Generates environmental ozone	Yes	No
Lamp cost	High	Low
Lamp life	Very Low	Very High
Material compatibility	Moderate	Very High
Generates heat on material surface	Yes	No

Value

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

Gerber Solara ion is a GREAT 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. And unlike most hybrid systems, the Gerber Solara ion provides both TRUE flatbed and roll-to-roll platforms. It is an excellent choice for any outdoor durable wide-format printing application.



Breaking the boundaries of traditional ink jet printing applications

With the low temperature cure provided by Cold Fire Cure and the unmatched adhesion of GerberCat Cationic UV ink, the Solara ion[®] can print on the widest array of materials to serve the greatest variety of signage and graphics applications.

Summary of Outdoor & Indoor Applications

- Point of sale and point of purchase
- Display graphics
- Window graphics
- Banners and mesh
- Vehicle graphics; fleet, wraps
- Flexible signage
- Site, traffic, and other signage
- Card and display board
- Illuminated
- Safety & ID
- Mirrors

Summary of Rigid Material Types

- PVC
- Corrugated plastic
- Styrene
- Polystyrene
- Metals & metal composites
- Acrylic
- Polycarbonate
- Glass
- Ceramics
- MDO, MDF
- Wood
- Primed Sign foam
- Chip board/cardboard

Summary of Flexible Material Types

- Banners
- Vinyl
- Mesh
- Backlit
- Polyesters
- Reflective
- Window films
- Textiles
- Papers
- Semi-rigid

To learn more about how you can benefit from the new Gerber Solara ion visit www.gerbbersolara.com

Specifications

Solara ion^x Specifications

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
Print Head Set	Two print heads per color
Resolution	Up to 1440 dpi, ultra high quality multi-pass printing
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)
Drying Method	Dual Cold Fire Cure UV lamps
Production Capacity	Performance 639 ft ² /hr 2-pass; Production 318 ft ² /hr 4-pass; High Quality 159 ft ² /hr 8-pass; Ultra High Quality 80 ft ² /hr 8-pass uni-directional
Communication Port	Ethernet TCP/IP
Power Range	220 VAC +/- 10%, 50/60 Hz, 20 A, single phase
Operating Temperature	60 - 80° F
Operating Humidity	40 - 60% (Not condensing)
Operating Altitude	8,000, (2,438m) or less
Installation	Crated; fits through 36" (91cm) standard door opening
Venting	No special ventilation required

World Class Service And Support

The Gerber Solara ion is backed by world-class service and support. Gerber has the widest, most developed service structure in the industry through a highly-supportive distribution network and Gerber's Service organization; including locally-based service engineers that provide installation, training and support. With Gerber behind the Solara ion you can rest assured that your investment in new ink jet technology will be supported and protected for years to come. Whether it is training, warranty service, or post-warranty support, Gerber is equipped to ensure trouble-free printer performance for the life of the printer.

Speed, quality, versatility, and value; that is the Gerber Solara ion UV ink jet printer's competitive advantage.

Contact Gerber today to see the new Solara ion in action.

www.gerbersonlara.com | 800.222.7446

Award-winning products, outstanding service. Gerber Scientific Products, your sign equipment company.

1983	Signmaker III, Graphix 3	1990	GS 15 Plotter	1997	enVision Plotters
1984	GDS, S/750	1991	GS 750 Plotter	1999	GERBER EDGE 2
1985	Signmaker IVB, Graphix 4	1992	GSx Plotter	2000	GERBER OMEGA
1986	GSP SPRINT I	1992	DIMENSION 200	2002	GERBER MAXX2
1988	HS 15 Plotter	1993	Gerber EDGE	2003	OMEGA 2.0
1988	HS 750 Plotter	1996	FasTrack Plotters	2004	GERBER EDGE FX
1990	GRAPHIX ADVANTAGE 1.0	1996	Sabre Routers	2006	GERBER SOLARA UV2

 **GERBER SCIENTIFIC PRODUCTS**

A Gerber Scientific Company



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