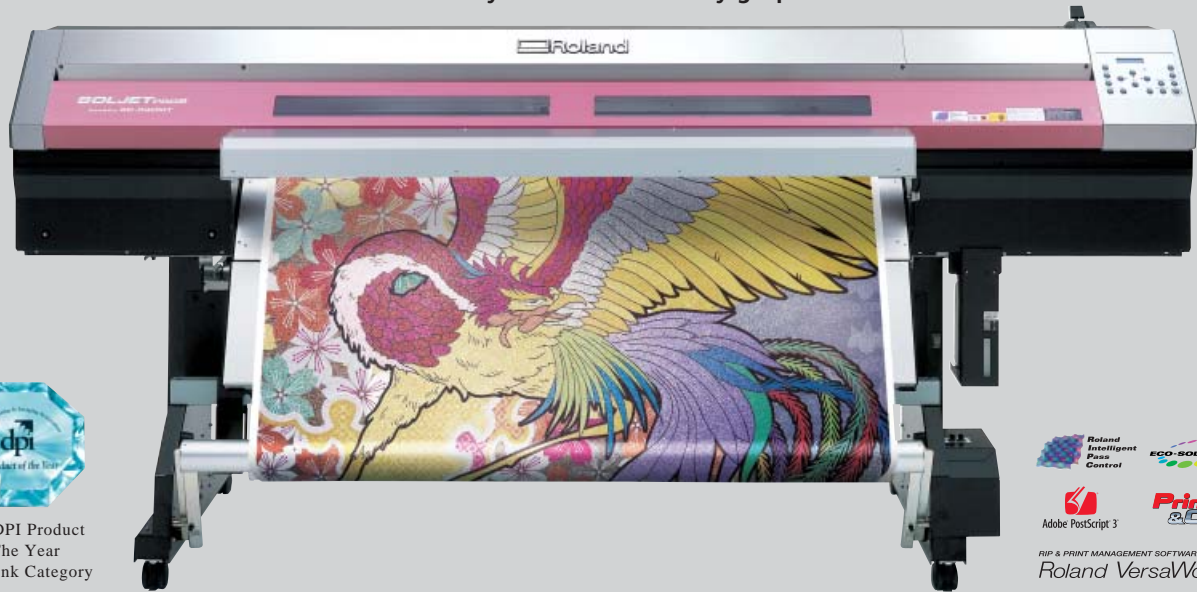Imagine.

Roland®

DVE
Digital Value Engineering

Print & Cut
SOLJET PROIII XC-540MT

World's First
Inkjet Printer/Cutter
with Metallic Silver Ink

World's First Inkjet Printer/Cutter with Metallic Silver Ink

Introducing the world's first inkjet printer/cutter for metallic silver ink, available exclusively from Roland. The XC-540MT separates your business from the competition with gorgeous metallic colors that add luxury and value to every graphic.

2009 DPI Product
of The Year
Digital Ink Category

Roland Intelligent Pass Control

ECO-SOL MAX®

Adobe PostScript 3

Print & Cut

RIP & PRINT MANAGEMENT SOFTWARE
Roland VersaWorks®

| Produce spectacular window displays with metallic color | Create attention-getting POP with shining metallic colors | Achieve distinctive, premium-quality product label prototypes on PET film | Deliver luxurious fine art |

Pure Print Performance With Legendary Versatility

The revolutionary new XC-540MT combines the robust functionality of our award-winning SOLJET PRO III XC-540 54" printer/cutter with the metallic silver ink. Roland Intelligent Pass Control® assures the highest productivity while maintaining smooth gradations and flawless solid colors. By merging unattended printing and automated contour cutting into a single device, the XC-540MT streamlines the production process for labels, decals, POP, banners, signs and vehicle wraps. For laminated graphics, Roland's four-point Quadralign® optical registration system realigns the cutting path and compensates for skew and distortion.

Express Your Ideas Brilliantly with New ECO-SOL MAX Metallic Silver Ink

With the XC-540MT, six radiant colors are yours to explore — CMYK + Silver and White — and the results are stunning. ECO-SOL MAX Metallic Silver ink transforms CMYK into a spectrum of new metallic hues including golds, bronzes and a wide range of pearlescent colors. A double white ink model is also available for the brightest white text, graphics and floods.

*Ink configuration (either Metallic Silver and White or Double White) must be selected upon purchase. *The glossiness of metallic colors depends on the media used. For best results, test print on each substrate before production. *Lamination is strongly recommended for indoor and outdoor graphics to protect metallic inks from scratching.

Advanced Ink Circulation System Dramatically Lowers Running Costs

The XC-540MT comes with an automated ink circulation system that prevents the pigment in silver and white inks from settling. Roland's unique system requires no manual intervention and reduces ink waste by up to 84% for lower running costs. The system also enables printing immediately after turning on the device for maximum productivity and exceptional image quality throughout the production runs.

*Results are based on Roland DG's comparison test between XC-540MT models with and without the ink circulation system.

Includes Powerful, Easy-to-Use Roland VersaWorks RIP Software

With VersaWorks RIP software, anyone can achieve professional print quality without advanced skills or previous experience. The Roland Color System accurately reproduces spot colors from Roland Color charts and swatch books including 12 new metallic colors for the XC-540MT. VersaWorks automatically estimates the ink usage and print time for each graphic to accurately monitor your time and costs. Roland Intelligent Pass Control® technology delivers smooth gradations and flawless solid colors. VersaWorks also offers a wide range of print options including high-speed mode for production banner printing, the Max Impact preset for vivid outdoor graphics and Artistic mode for exceptional indoor graphics to be viewed up close. VersaWorks is built on the genuine Adobe PostScript 3 engine for reliable quality and operation.

Specifications

Printing technology		Piezoelectric inkjet
Media	Width	260 to 1,371 mm (10.3 to 54 in.)
	Thickness	Maximum 1.0 mm (39 mil) with liner, for printing Maximum 0.4 mm (15 mil) with liner, for cutting
	Roll outer diameter	Maximum 180 mm (7 in.)
	Roll weight	Maximum 30 kg (66 lb.)
	Core diameter	50.8 mm or 76.2 mm (2 in. or 3 in.)
Printing / cutting width*1		Maximum 1,346 mm (53 in.)
Ink cartridges	Type	Roland ECO-SOL MAX INK
	Capacity	220 cc or 440 cc
	Colors	six colors (cyan, magenta, yellow, black, white and metallic silver) or five colors (cyan, magenta, yellow, black and white)
Printing resolution (dots per inch)		Maximum 1,440 dpi
Cutting speed		10 to 600 mm/s (10 to 300 mm/s in media-feed direction)
Blade force		30 to 300 gf
Blade offset		0.000 to 1,500 (0 to 0.0591 in.)
Software resolution (when cutting)		0.025 mm/step (0.000984 in./step)
Distance accuracy (when printing) *2 *3		Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater
Distance accuracy (when cutting) *3		Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled, or ±0.1 mm, whichever is greater
Repeatability (when cutting) *3 *4		±0.1 mm or less
Alignment accuracy for printing and cutting *3 *5		±0.5 mm or less
Alignment accuracy for printing and cutting when reloading media *3 *6		Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater
Dryer unit *7		Heating type, setting range for the preset temperature: 30 to 55°C (86 to 130°F)
Ink-fixing device *7		Print heater/preheater, setting range for the preset temperature: 30 to 50°C (86 to 122°F)
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 120 V ±10%, 13A, 50/60 Hz or AC 220 to 240 V ±10%, 7A, 50/60 Hz
Power consumption	During operation	Approx. 1,600 W
	Sleep mode	Approx. 47 W
Dimensions (with stand)		2694 (W) x 1103 (D) x 1260 (H) mm (106 (W) x 43.4 (D) x 49.6 (H) in.)
Weight (with stand)		197 kg (434.3 lb.)
Environmental	Power on	Temperature: 15 to 32°C (59 to 90°F) [20°C (68°F) or more recommended], Humidity: 35 to 80% (no condensing)
	Power off	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80% (no condensing)
Included items		Stand, power cord, blade, blade holder, media clamps, replacement blade for separating knife, cleaning kit, software RIP, user's manual, etc.

*1 The length of printing or cutting is subject to the limitations of the program or driver.
*2 Using Roland specified media, print travel of 1m, temperature: 25°C (77°F), humidity: 50 %RH
*3 Not assured when the print heater or dryer is used.
*4 Using Roland specified media, loaded on the shaft, [PREFEED] menu item must be set to "ENABLE," with 25 mm or more for both right and left margins and 35 mm or more front margin, excluding expansion or contraction of the media. Media 610 mm wide or over and 4,000 mm long. Media 610 mm wide or less and 8,000 mm long.
*5 Provided that media length is under 3,000 mm. Temperature: 25°C (77°F). Excluding possible shift caused by expansion/contraction of the media and/or by reloading the media.

*6 Using Roland specified media, data size: 1,000 mm in the media-feed direction, 1,346 mm in the carriage-movement direction. No lamination. Automatic detection of crop marks at 4 points when media is reloaded.   During cutting, [PREFEED] menu item must be set to "ENABLE." Temperature: 25°C (77°F).
Excludes the effects of slanted movement and of expansion and contraction of the media.
*7 Warm-up is required after powerup. This may require 5 to 20 minutes, depending on the operating environment. The preset temperature may fail to be reached depending on the ambient temperature and media width.

Heater and Blower (DU-540) Specifications

Dryer unit *8	Heating type (with blower fan), setting range for the preset temperature: 30 to 55°C (86 to 130°F)
Power requirements *9	AC 100 to 120V ±10%, 5A, 50/60 Hz or AC 220 to 240 V ±10%, 3A, 50/60 Hz
Power consumption	Approx. 650 W
Dimensions including printer	2,694 (W) x 1,210 (D) x 1,260 (H) mm (106-1/8 (W) x 47-11/16 (D) x 49-5/8 (H) in.)
Weight including printer	217 kg (478.3 lb.)

*8 Warm-up is required after powerup. This may require 5 to 20 minutes, depending on the operating environment. The preset temperature may fail to be reached depending on the ambient temperature and media width.
*9 Be sure to check the breaker capacity and use separate power-outlets for the printer and the dryer.

Roland VersaWorks System Requirements

Operating system	Windows Vista® Ultimate Service Pack 1 or Business Service Pack 1 (32-bit edition), Windows Vista® Ultimate or Business (32-bit edition), or Windows XP Professional Service Pack 2 or 3, or Windows® 2000 Service Pack 4
CPU	Pentium 4, 2.0 GHz or faster recommended
RAM	1 GB or more recommended (Windows Vista® : 2GB or more recommended)
Video card and monitor	A resolution of 1,280 x 1,024 or more recommended
Free hard-disk space	40 GB or more recommended
Optical drive	DVD-ROM drive

Application software compatible with Cutting and Print&Cut

Adobe® Illustrator® 10, CS, CS2, CS3 / CorelDRAW® 11, 12, X3

Options

	Model	Description		Model	Description
ECO-SOL MAX Media **(for banners, posters, POPs** **and vehicle graphics, etc.)**	SP-SG-1270TR	PET semi gloss, removable adhesive, 1270 mm x 30 m (50" x 98')	**ECO-SOL MAX Media** **(for garment heat transfer)**	SCM-TTRH-25-750	Garment heat transfer, 750mm x 25m (29" x 82')
	SP-SG-1270G	PET semi gloss, gray adhesive, 1270 mm x 30 m (50" x 98')		HTSP-10-500	Special silicon paper for matte finish, 500mm x 10m (19.68" x 32.8')
	SPVCB-1270	PVC banner, 1270 mm x 20 m (50" x 65')		HTTA-25-500	Application film, 500mm x 25m (19" x 82')
	SFPLF-1300	Backlit film, 1300 mm x 30 m (51" x 98')	**ECO-SOL MAX INK**	ESL3-4MG	Magenta, 440cc
	SV-G-1270G	Gray adhesive vinyl, 1270 mm x 30 m (50" x 98')		ESL3-4YE	Yellow, 440cc
	SCM-GPPG-40-127	White glossy photo paper, 1270 mm x 40 m (50" x 131')		ESL3-4CY	Cyan, 440cc
	SCM-GPPG-50-914	White glossy photo paper, 914 mm x 50 m (35" x 164')		ESL3-4BK	Black, 440cc
	MPP-SG-1067	Semi glossy photo paper, 1067 mm x 30 m (42" x 98')		ESL3-MG	Magenta, 220cc
	SCM-GVWG-40-137	Calendered White Vinyl, adhesive, 1370 mm x 40 m (53" x 131')		ESL3-YE	Yellow, 220cc
	SP-CL-1000T	Clear PET film, adhesive, 1000mm x 20m (39" x 65')		ESL3-CY	Cyan, 220cc
	ESP-CL-1300	Clear PET film, 1300 mm x 30m (51" x 98')		ESL3-BK	Black, 220cc
	SCM-GPPM-40-127	Photo mat paper, 1270mm x 40m (50" x 131')		ESL3-MT	Metallic silver, 220cc
	SCM-GPPM-50-762	Photo mat paper, 762mm x 50m (30" x 164')		ESL3-WH	White, 220cc
ECO-SOL MAX Media **(for decals)**	SCM-GGPET-40-500	Glossy gold PET, adhesive, 500 mm x 40m (19" x 131')	**Cleaning cartridge**	SL-CL	Cleaning liquid, 1 pc.
	SCM-GSPET-40-500	Glossy silver PET, adhesive, 500mm x 40m (19"x 131')	**Blades**	ZEC-U1005	For signage vinyl in general, 5pcs.
	SCM-GGPVC-40-610	Glossy gold vinyl, adhesive, 610mm x 40m (24" x 131')		ZEC-U5022	For thick, reflective and fluorescent vinyl, 2pcs.
	SCM-GSPVC-40-610	Glossy silver vinyl, adhesive, 610mm x 40m (24" x 131')		ZEC-U5025	For thick, reflective and fluorescent vinyl, 5pcs.
	SP-M-1270	Matte PET film, 1270 mm x 30 m (50" x 98')	**Blade Holders**	XD-CH2	Blade Holders XD-CH2 Blade holder with blade extension abjuster, made of aluminum
	SP-M-610	Matte PET film, 610mm x 30m (24" x 98')			
	SP-SG-610G	Semi-glossy PET, gray adhesive, 610mm x 30m (24"x 98')	**Heater and blower**	DU-540	DU-540 For XC-540MT
	SP-SG-610TR	Semi-glossy PET, removable adhesive, 610mm x 30m (24"x 98')			

*The glossiness of metallic colors depends on the media used. For best results, test print on each substrate before production.

About Metallic Silver and White Inks

The pigment in these inks will settle in the cartridge and ink flow system. Due to the nature of white and silver inks, you must shake the cartridge before each use. The XC-540MT requires the optionally available DU-540 heater and blower unit. Outdoor durability is three years for CMYK inks, one year for white and metallic silver inks. Roland strongly recommends lamination for both indoor and outdoor graphics to prevent metallic inks from scratching.

Roland DG products that feature this environmental label meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit www.rolanddg.com.

ECO

ISO 14001:2004 and ISO 9001:2000 Certified

Roland pursues both environmental protection and continuous quality improvement. Under the philosophy of preserving the environment and human health, Roland is actively working to abolish organic solvents in production, to reduce and recycle waste, to reduce power use, and to purchase recycled products. Roland constantly strives to provide the most highly reliable products available.

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