MILD SOLVENT PRINTER & CONTOUR CUTTER

SOLJET
SC-500EX

The 6-color SOLJET SC-500EX prints and contour cuts up to 53" wide on a wide variety of coated and uncoated media. The combination of an on-board heating system and advanced Eco-SOL INK produces brilliant graphics that are UV, scratch and water resistant up to three years outdoors without lamination, yet requires no ventilation equipment or special handling.

- 3-years outdoor durability without lamination on both coated and uncoated media
- Print and contour cut
- Advanced Eco-SOL INK requires no ventilation or special handling
- 6 colors – CMYKLcLm for outstanding color fidelity
- Ink cost of 21 cents per sq. ft.
- Roland ColorChoice® II RIP included
- **$19,995** US

featuring Eco-SOL INK

SC-5OOEX SPECIFICATIONS

Model	SC-500 EX
Print/Cut Technology	6-color, piezo inkjet/digital servo media movement method with swivel drag cutting blade
Print Resolution	1440 dpi, 720 dpi, 540 dpi, 360 dpi, 180 dpi selectable
Printing Width (Max.)/Speed/Thickness	53.563" (1361 mm)/43 sqft per hr @ 360 dpi/40 mil or 1 mm
Acceptable Media Width	8.268" (210 mm) to 54" (1371 mm) wide
Cutting Area	53" x 984-1/8" (1346.2 mm x 24998 mm)
Cutting Speed/Force/Offset	24"per sec. /30-200 gf / 0.000 – 1.500 mm
Feed Distance Accuracy*	Uncorrected: ±0.3 mm or ±0.3 % of printed length (whichever larger) With distance correction: ±0.1 mm or ±0.2 % of printed length (whichever is larger)
Repetition Accuracy (When Cutting)	0.1mm or less (excluding stretching/contraction of material) Range for assured repetition accuracy For materials with a width exceeding 24 in. (610 mm): Length 157 7/16 in. (4,000 mm) For materials with a width of 24 in. (610 mm): Length 315 15/16 in. (8,000 mm)
Repetition Between Printing and Cutting	+/- 0.0197 in. (0.5 mm) max. at 77 degrees Fahrenheit (25 degrees Celsius)
Software Resolution (When Cutting)	0.00984 in./step (0.025 mm/step)
Conditions for Usable Materials	Cuttable material thickness: 0.00315 to 0.00866 in. (0.08 to 0.22 mm) depending on material composition Maximum cuttable material thickness including base paper (backing paper): 0.0157 in. (0.4 mm) Maximum printable material thickness including base paper (backing paper): 0.039 in. (1.0 mm) Maximum diameter for roll material: 7-1/16 in. (180 mm) Core inner diameter for roll material: 2 in. or 3 in. (50.8mm or 76.2 mm) Maximum weight for roll material: 44.1 lb. (20 kg)
Ink Type	Eco-SOL INK: CMYK + Light cyan (Lc), Light magenta (Lm)
Ink Cartridge	6 each @ 220 ml ± 5 ml per color
Ink Monitoring	Ink level indicator for each color, Ink low warning system with programmable auto pause
Print Margin	Front edge : 0.394", Rear edge : 2.024", Left and Right : 0 " - 0.394" variable (default :0.394") Margin between pages : 0" - 3.937" (variable), default : 0.394"
Software Included	Roland ColorChoice™ II Adobe® PostScript® 3, Multi platform RIP driver (Windows 98/NT/2000/XP, MacOS 9)
Media Types	A wide variety of coated and uncoated media including Eco-SOL Media (ESM) and SOLJET Certified Media (SCM) as well as numerous Value Select Media (VSM), Performance Certified Media (PCM), Performance Qualified Media (PQM) and Performance Guaranteed Media (PGM)
Media Feed	Roll & sheet (no less than A4 size or 8.268" (210 mm) wide
Media Handling	Auto roll feed mechanism, auto sheet cutter, media take-up system (optional)
Media Sensor	Sides/ Front edge and rear edge
Head Height	3 step adjustable, 0.047"(1.2 mm), 0.063"(1.65 mm) and 0.083"(2.1 mm)
Head Cleaning	Automatic and Manual built-in cleaning system
Safety Cover	Safety interlock with auto shut down
Interface, Std.	Bi-direction Parallel (IEEE1284 / nibble mode)
Languages	RD-GLIII (Cutting) RD-RTL (Printing), RD-PJL
Power-Saving Function	Auto-sleep
Power Supply	100V - 240V ± 10% 50/60Hz
Power Consumption	Printing mode : Max. 1.0A/100V - 240V / Standby mode : 0.4A/100V - 240V
Acoustic Noise Level	Printing/Cutting mode : 64db or less/ Standby mode : 40db or less (ISO7779)
Environmental Requirements	59 - 95 degree Fahrenheit (15 - 35 degree Celsius), 35-80 % Relative Humidity (non-condensing)
Storage Conditions	20 - 80 degree Fahrenheit (5 - 40 degree Celsius), 35-80 % Relative Humidity (non-condensing)
Dimensions with Stand	92.535" (2325 mm) x 28.976" (736 mm) x 50.669" (1287 mm)
Weight	187.4 lbs. (85 kg) / with stand: 231.5 lb (105 kg)
Accessories	Power cord / Drain bottle / Drain bottle cap / Blade / Blade Holder / Replacement blade for separating knife / Cleaning kit / Roland ColorChoice™ II RIP driver / User's manual

*Tested on Roland PET film
Specifications subject to change.

Built with precision. Backed with passion.