SOLJET PRO III
XC-540
Wide Format Inkjet Printer/Cutter

Product Information Guide

Roland DGA Corporation is pleased to announce the PRO III XC-540 representing the next generation of the award wining SOLJET line of Print/Cut devices. The XC-540, with a long list of features and benefits, heralds a new standard of productivity for digital printing.

The new XC-540 is ideally suited for the production needs of the outdoor durable graphics market. Using Roland Eco-SOL MAX inks in a 6-color CMYKLcLm ink configuration enables the XC-540 to produce stunning, high quality, wide gamut, color graphics with smooth tonal gradations. Created for high speed production, the XC-540s Advanced Media Handling System, Precision Firing Pattern technology, and improved print modes make it possible for the XC-540 to produce quality graphics at even the highest print speeds without a loss of image density. Building upon proven Roland engineering and technology, the XC-540 masters the most complex Print/Cut applications while also handling up to 54' wide media at a maximum print speed of 441 sfph for high volume banner production. This dual functionality makes the XC-540 the most versatile wide format digital printer capable of meeting the demands of a professional, high-volume workflow.

The XC-540 comes ready to go with the included Roland VersaWorks™ RIP 2.0. This new version of the Roland created RIP is loaded with new features allowing an unprecedented level of ease of use and printer function accessibility. Built on a genuine Adobe® PostScript® engine and loaded with profiles for all compatible Roland media, VersaWorks offers the highest quality output without a steep learning curve, allowing for true "out of the box" printing.

This guide is meant to give you an overview of some of the incredible features of the exciting, new, Roland SOLJET PRO III XC-540 printer/cutter.

XC-540 Features:

- **Incredible ease of use**
- **Precision Firing Pattern**
- **Advanced media handling**
- **Automated take-up system now standard**
- **Integrated Tri-Heater system**
- **Optional DU-540 dryer system**
- **New Roland VersaWorks™ RIP 2.0**
- **Blazing speed – up to 441 sqft/hr**

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New Features

Incredible ease of use

Many devices on the market require time spent on maintaining or configuring the device before actual printing is possible. Not the XC-540. Likewise, for the high-volume production shop, TCP/IP connectivity is really the only option. That is why the XC-540 was designed with in integrated 10/100 network interface card (NIC). Not only can the Roland developed card be configured to operate with your network environment directly from the printer menu, but it also gives the operator the advantage of not needing a dedicated computer placed next to the printer.

Like all Roland inkjet devices, the XC-540 is designed with automated cleaning and periodic maintenance functions. These features enable the XC-540 to effectively maintain and clean itself, therefore requiring minimal bimonthly operator maintenance. The XC-540 was designed for faster access to key components and the on-board menu is arranged for easy navigation.

New Precision Firing Pattern

When printing at higher speeds, many printers can produce only low density color with severely reduced image quality. Roland's unique Precision Firing Pattern was designed to achieve the highest printing speeds possible while maintaining vibrant high density colors. The XC-540 takes advantage of this advanced firing pattern that has been optimized for the advanced piezo print heads. The XC-540's 6-color CMYKLcLm configuration, produces higher color quality with an extended gamut and tonal density in any print mode enabling the 6-color XC-540 to produce stunning images with unparalleled image color, density, and quality. In addition, Roland's in-line head configuration does away with the need for lengthy calibration procedures and costly down time.

Since the XC-540 was designed with the production printer in mind, the unit comes standard with a protective removable tray for the new Eco-SOL MAX 440ml cartridges allowing for higher volume printing without the need for frequent ink cartridge replacement. The XC-540 and VersaWorks monitor the ink levels in either the 220 or 440ml cartridges to notify the operator when ink is running low.

Advanced media handling

Adding to the production-focused design of the XC-540 is the Roland-developed Advanced Media Handling System engineered for carefree production of longer, unattended print jobs. Improvements to the media handling system include an increased maximum media weight of 66 lbs, allowing for longer roll lengths. The XC-540 also boasts 7 permanent and repositionable pinch rollers giving the XC-540 the ability to run long printing jobs at higher speeds while maintaining image quality.

New pinch roller & media guide design

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♣ Automated media take-up system

The XC-540 comes standard with an advanced take-up and tension system as part of the media feed system. This system allows for high speed graphic production with ease and, since this system is integrated into the XC-540 stand, no additional installation is required.
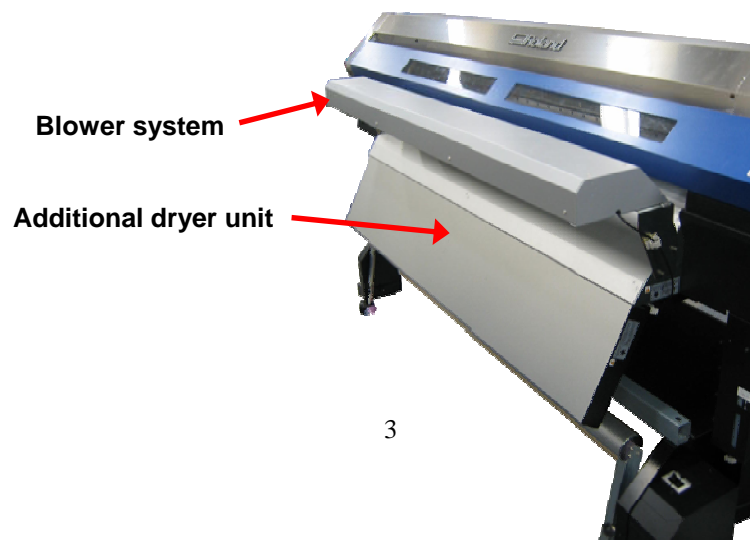
When it comes to print production, even the smallest of details have been precision engineered to ensure reliability. For example, the XC-540's extended media guides, vacuum platen and adjustable head height make it possible to print on thin or lighter weight media that might otherwise have a tendency to buckle while printing.

♣ Integrated Tri-Heater System

The integrated Tri-Heater system on the XC-540 makes high speed printing and take-up possible. The heating system consists of three elements. A Pre-heater opens pores in the vinyl or banner material to improve media receptiveness. The Print Heater helps to accelerate ink fastness and brightness by ensuring that ink is absorbed into the substrate. Finally, the Dryer accelerates ink drying to improve productivity, workability and scratch resistance. All three heaters can be controlled from the printer panel or Roland VersaWorks.

♣ Optional DU-540 dryer system

For printing at the maximum print speeds with heavy ink saturation, it is beneficial to add the optional DU-540 dryer system. The DU-540 is an additional dryer and blower system developed for use with the XC-540. Once installed the DU-540 works seamlessly with the XC-540 controls and software, maintaining the unmatched ease of use for which Roland is known.

Blower system

Additional dryer unit

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✚ Roland VersaWorks RIP

The XC-540 was developed to work seamlessly with Roland VersaWorks 2.0. This new version of Roland's proven RIP technology adds valuable features for the production-oriented establishment. These new features include automatic job nesting with automatic printing of time, job size or job count. VersaWorks 2.0 will also include a spot color replacement tool allowing the creation of custom color libraries and a newly designed job cropping tool. VersaWorks supports true Adobe® PostScript® 3 engine and can be used on Windows XP and 2000 operating systems.

Summary

Productivity, ease of use and quality summarize the exciting new features of the XC-540. With a maximum print speed of 441 sqft/hour, a 6-color configuration utilizing precision dot placement, a tri-heating system, and an advanced media feed and automatic take-up system for longer production runs, the XC-540 presents a world of new possibilities. Finally the market has a true high-volume graphic printer with all the benefits of a Print/Cut device.