

Hi-Fi Express FP-740 Sublimation Inkjet Printer

Overview

Roland DGA Corporation introduces the new Hi-Fi Express FP-740 74" sublimation inkjet printer. The FP-740 is a high performance digital inkjet printer, purpose built for the demands of the high speed sublimation industry and is ideal for producing stunning graphics for a range of wide-format applications including flags, banners and other soft signage. The FP-74 features eight advanced piezo print heads, a extended capacity ink system, built-in media feed and take-up system, and produces precision quality graphics up to 548 sqft/hr.

The FP-740 is based on Roland's award-winning inkjet technology and is just as easy to operate and maintain as the rest of our printer line. This enables you to begin production with outstanding results within hours of setup. Sublimated prints are easily transferred to polyester fabric for brilliant flags, banners and textiles that preserve the fabric's natural drape and texture.

The FP-740 also includes the Roland VersaWorks™ RIP. Created by Roland, VersaWorks is a full featured Raster Image Processor designed specifically for the Roland printers. This custom tailored RIP takes full advantage of the FP-740's outstanding capabilities. Built on a genuine Adobe® PostScript® CPSI 3016™ engine, VersaWorks offers the highest quality output without a high learning curve.

This guide is meant to give you an overview of some of the incredible features of this exciting new printer.

FP-740 Features:

- ✚ **High-speed 74" wide sublimation printer ideal for producing flags, banners and textiles**
- ✚ **Prints up to 548 Sqft/hr (270 x 360 2pass) for high-volume production**
- ✚ **Maximum 720 dpi resolution**
- ✚ **Automated media take-up system**
- ✚ **Extended Capacity Ink Delivery System**
- ✚ **Integrated Ethernet 10Base-T/100Base TX**
- ✚ **Full-featured Roland VersaWorks™ RIP software**



Fig 1. Hi-Fi Express FP-740 front view

Features

Maximum Print Speed of 548 sqft/hr

The FP-740 features a piezo inkjet head capable of maximum print speed of 548 sqft/hr at 270x360DPI. This maximum speed mode produces salable T-Shirt and banner quality graphics. In addition to high speed production the FP-740 supports a wide range of print modes. This means the FP740 is also capable of outputting stunning and dynamic image quality with its 720x720DPI high quality mode.

Modes for printing in Roland VersaWorks with the FP-740:

| Resolution | Pass | Speed |
|------------|--------|----------|
| 720 x 720 | 8 Pass | 100 sfph |
| 360 x 720 | 8 Pass | 149 sfph |
| 360 x 720 | 4 Pass | 225 sfph |
| 360 x 360 | 4 Pass | 311 sfph |
| 360 x 360 | 2 Pass | 453 sfph |
| 270 x 360 | 2 Pass | 548 sfph |

New Extended Capacity Ink Delivery System

The FP-740 comes equipped with a redesigned extended capacity ink delivery system that optimizes ink usage and allows replacement of cartridges without the need to pause the printer. With a total of eight ink cartridges feeding 16 intermediate reservoirs, the FP-740 accommodates more than 3520 ml of usable ink for increased productivity and unattended production printing.

Automated Take-up System

The FP-740 includes an automated take-up system to facilitate precision printing, even when unattended. As the media feeds through the printer, a sensor located on the bottom of the stand will wind up any slack.

Integrated Ethernet Connectivity

The FP-740's integrated 10Base-T/100Base-TX Ethernet card eliminates communication issues and proximity requirements generally associated with Parallel, USB and FireWire connections. The FP-740 ships with the easy to use Roland Print Server software that enables quick connectivity and operation.

Roland VersaWorks RIP

The FP-740 was developed to work seamlessly with Roland VersaWorks. This full featured RIP was created by Roland to ensure exceptional production output and functionality with ease of use that is unmatched by any other sublimation printer. VersaWorks is built upon the genuine Adobe® PostScript® CPSI 3016™ engine. It supports true Adobe® PostScript® 3 and can be used on Windows XP and 2000 operating systems.

Sublimatable Substrates

Materials with polyester or acrylic surfaces – i.e., “sublimatable” materials -- need to be used for successful transfers. These materials available from various manufacturers, including UNISUB, Fisher Textiles and Hanes (for specialty t-shirts) in a wide range of styles and textures. Substrates for sublimation transfer generally fall into one of three categories: plastics, fabrics, and tile (ceramics) although coated glass and metals can also be used.

Sublimation Ink Part Numbers

Ink Part Numbers:

| | | |
|--------|--------------------------|-----------------------|
| SBL-CY | Sublimation Ink, CYAN | \$74.99 per cartridge |
| SBL-BK | Sublimation Ink, BLACK | \$74.99 per cartridge |
| SBL-MG | Sublimation Ink, MAGENTA | \$74.99 per cartridge |
| SBL-YE | Sublimation Ink, YELLOW | \$74.99 per cartridge |

Media Part Number:

| | | | |
|----------------|-----------------------------|---------------|-------------------|
| SBM-HSP-150-54 | Sublimation Paper, 120 gram | 54”x150’ roll | \$162.95 per roll |
|----------------|-----------------------------|---------------|-------------------|

Summary

The HiFi Express FP-740 sublimation printer has been purpose built for the high volume sublimation market. As with our other color products, the FP-740 high speed sublimation printer represents a turnkey wide-format, digital, inkjet system which includes ink, media, software, and even specialized profiles. The result is a dedicated sublimation system that takes the guess work out of sublimation printing. Taking advantage of Roland’s award winning inkjet technology, this sublimation printer maintains high image quality through long production runs for consistent, reliable prints every time.