

# Specifications

## RP-720UVZ

### Print Technology

Piezo-electric inkjet print heads from Spectra with a small 30 pico liter drop (50 pico liter optional), 6 colors (C, M, Y, K, Lm, Lc). Print heads scan across the media - dot placement is controlled by a precise encoder strip.

### Resolution

720 x 800 dpi  
720 X 600 dpi  
720 x 400 dpi  
360 X 800 dpi

### Print Speed / Mode

Up to 270 ft2 per hour – Draft Mode  
Up to 135 ft2 per hour – Production Mode  
Up to 70 ft2 per hour – High Quality

### Media Feed Control

Accurate media feed control by encoder on drive roller. Software controlled calibration of feed accuracy. Easy change over from rigid-to-roll or roll-to-rigid media modes.

### Inks

One liter bottles of environmentally friendly UV curable inks capable of printing on a wide range of coated and uncoated rigid and roll-to-roll media.

### Ink Curing System

Long lamp life, dual UV lamps for complete bi-direction printing. UV lamp power controlled by switches to match print speeds.

### Automated Print Head Maintenance

On-demand and automatic head purging at the start of printing. High nozzle reliability with non-drying UV inks. Two-way valve flushing system for each printhead to provide quick cleaning before or after extended idle time.

### Gap Control

Simple crank mechanism and a gap scale to adjust for media thickness of up to 1 inch.

### Enclosed System

Self contained to provide a dust free print zone for high nozzle reliability and minimize operator exposure to UV light.

### Image Processing

Onyx ProductionHouse™ or Onyx PosterShop® Color Production Software available as options. PC Interface – SCSI Wide.

### Media

Variety of uncoated roll media (2inch and 3inch cores) including adhesive back and banner vinyl, canvas and banner paper.

Variety of rigid media including Fome-Cor board, polyvinyl chloride (PVC) sheet, styrene, aluminum-plastic composite sheets and plexi glass.

### Media Width

Up to 73 inch

### Print Width

Up to 72 inch

### Electrical

Two 200-240VAC, single phase, 50/60 Hz, 15 Amp outlets required

### Operating Conditions

65° to 85° F (40% to 70% Relative Humidity)

### Physical Dimensions

H. 53 inch      W. 117 inch  
D. 36 inch (excluding rigid media tables)

### Weight

Printer 1200 Pounds, Shipping 1700 Pounds

*Preliminary specifications subject to change without prior notification. All products mentioned in this brochure are claimed as registered trade marks of their respective companies.*



UV INKS

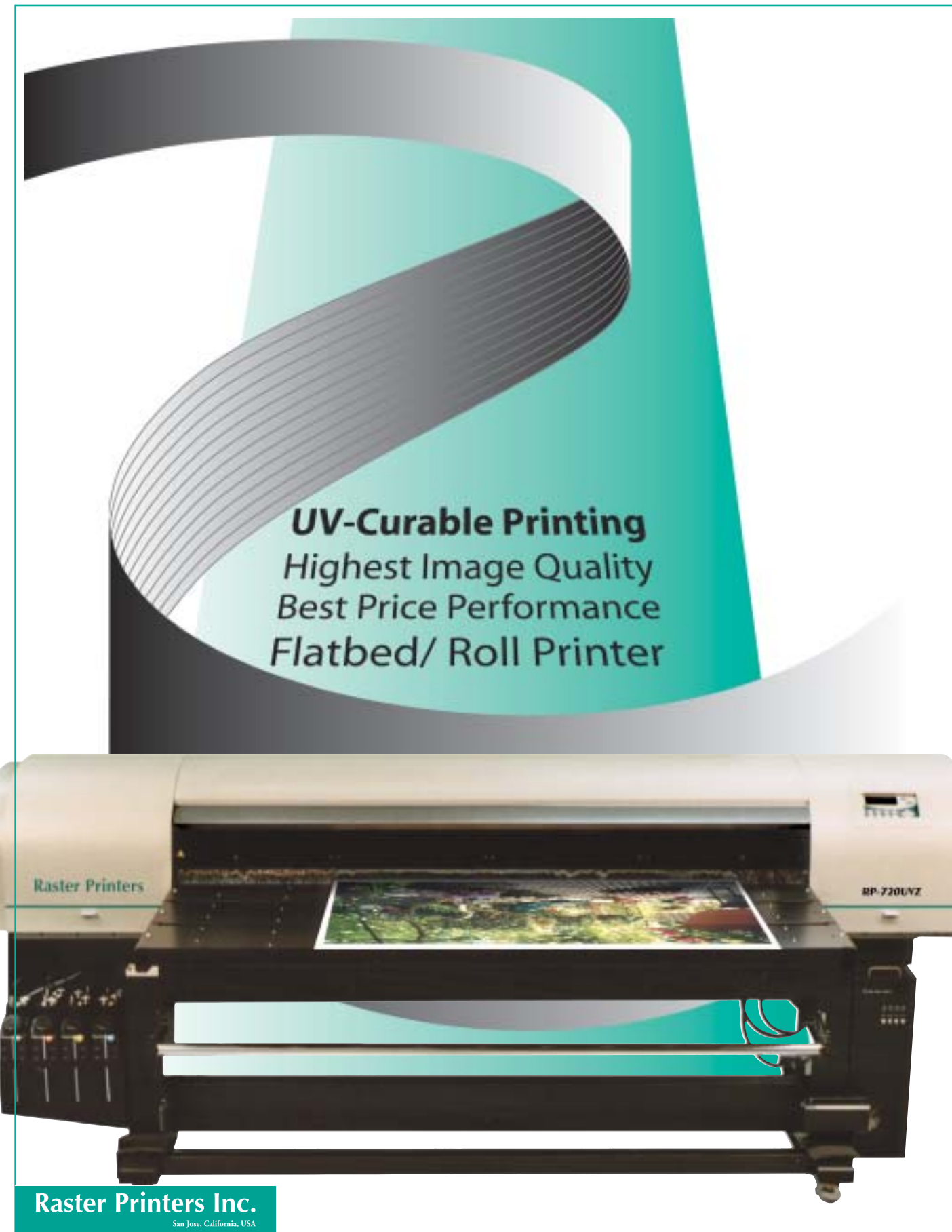
2192 Bering Drive, San Jose, CA 95131 408-545-0540 [www.rasterprinters.com](http://www.rasterprinters.com)

[www.rasterprinters.com](http://www.rasterprinters.com)

**Raster Printers Inc.**

San Jose, California, USA

# The Future Is Here! **RP-720UVZ Printer**



**Raster Printers Inc.**

San Jose, California, USA

## THE FUTURE OF HIGH QUALITY LARGE FORMAT UV PRINTING HAS ARRIVED.

The RP720UVZ is the first high quality, 800 dpi, affordable printer based on UV curable inks capable of printing directly onto low cost coated and uncoated roll and rigid media up to one inch thick.

### SPECTRA PRINT HEAD TECHNOLOGY

The Standard for Reliability and Quality. Rugged stainless steel SE-128 Piezo Print Heads from Spectra, the world leader in industrial print head technology. Generate the smallest dot from 30 pl drops to produce the highest resolution of any UV printer in its class.

Six colors, including light magenta and light cyan provide the brightest reds and smoothest color gradations and details in highlight areas with an apparent resolution of 1440 DPI

### UV CURABLE INKS FOR DURABLE OUTPUT AND PRINT MEDIA FLEXIBILITY

Environmentally friendly UV curable inks print directly onto virtually any coated and uncoated media including Gator, MDO, Fome-Cor, CoroPlast, vinyl, canvas, paper and fabrics.

One step printing requires no laminating or mounting and the prints are outdoor durable for up to 3 years.

### EASY SWITCH OVER FROM ROLL TO FLATBED PRINTING

Print on roll or rigid media up to 73 inches wide and 1 inch thick. Switch over from roll to rigid or vice versa can be achieved in seconds providing the ultimate flexibility in production printing.

## WORLD CLASS PRODUCT DEVELOPMENT

The technology built into our products is the result of years of team experience. Designing production ink jet systems and bringing together the best components the world has to offer – U.S. made print heads, head carriage, feed motors and ink filters; precision ground German rail and bearings; Swiss ink pumps; Japanese Servo systems and UV curable inks made in England.

### FLEXIBILITY IS THE KEY

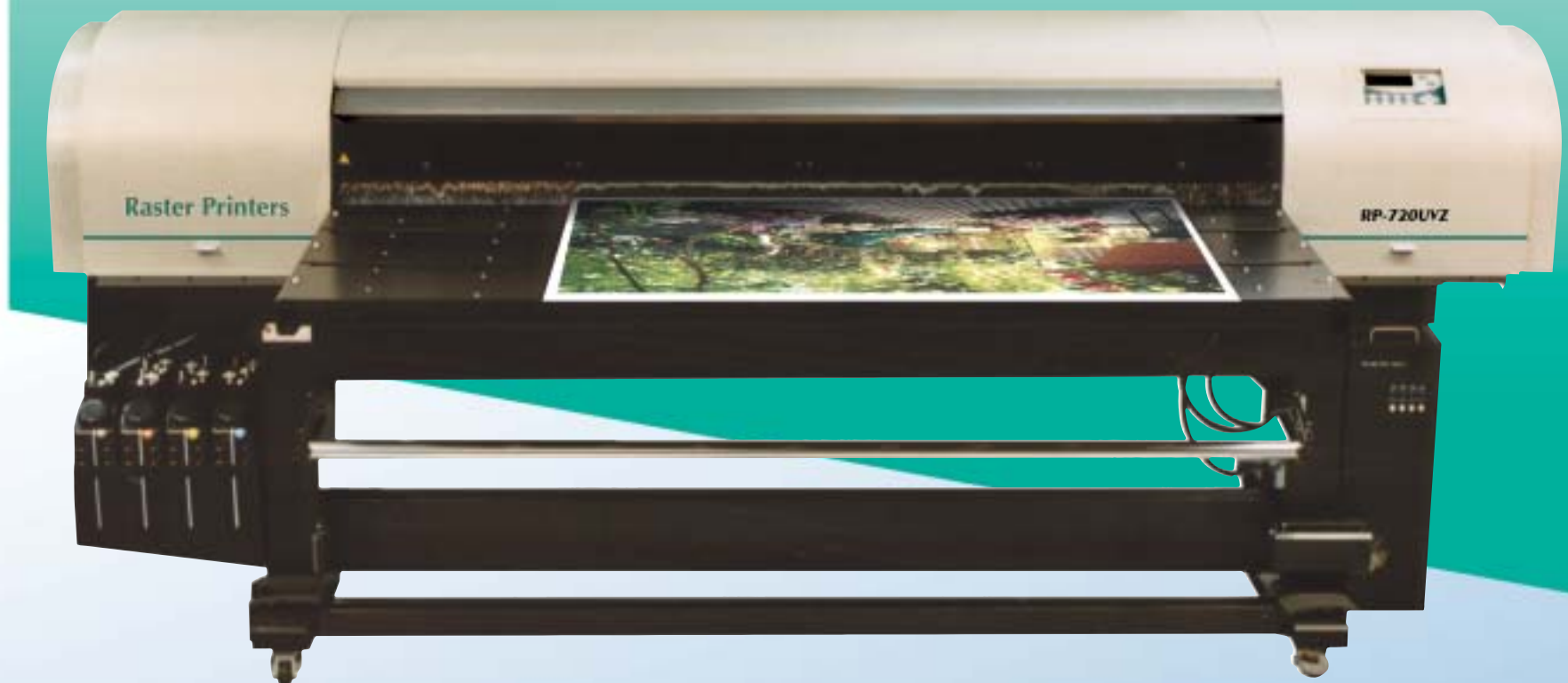
Our customers demand ultimate flexibility to fulfill a wide range of large format printing requirements. They want the best in image quality, speed, roll and full bleed board printing, media width from 12 inches to 73 inches, and media thickness of up to 1 inch.

### HIGHEST IMAGE QUALITY

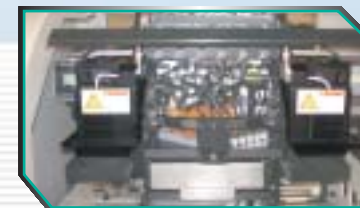
- True 720X800 dpi Addressable resolution
- 6 colors for 1440 dpi Apparent resolution
- Roll Printing
  - ~ Automatic take up and supply roll
  - ~ Support for 2 inch or 3 inch media cores
  - ~ Sheet feed printing

### HIGH PERFORMANCE

- Up to 270 sq. feet per hour print speed
- Flatbed Printing
  - ~ Rigid Media up to 1 inch thick
  - ~ Full bleed edge to edge printing



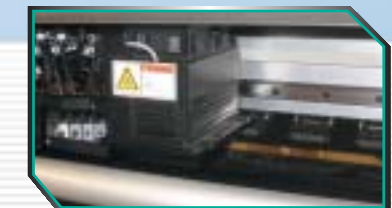
Spectra industrial grade print head technology. Applies the smallest drop configuration, SE-128, capable of producing the finest details in indoor and outdoor graphics.



2 UV lamp curing systems, one on each side of the print head assembly, designed to provide consistent bi-directional printing and complete curing of the inks immediately after printing.



Easy to adjust for media thickness, using a simple crank handle to raise or lower the carriage.



Precision Rail & Carriage, to provide accurate placement of dots.