

Sales Guide

# TrueVIS

VG Series Printer/Cutters

2016/6/16

Imagine.  Roland

The future of Roland eco-solvent printers.

Introducing

# TrueVIS

The future of print/cut has arrived.



Imagine.  Roland

# Completely reimagined.

## New FlexFire™ Print Heads

- High quality at high speed
- Precise drop placement

## New TrueVIS INK

- Richer, long lasting color
- Excellent consumption rate
- More efficient and cost-effective
- GREENGUARD Gold Certification

## New Cutting Technology

- Increased downforce and accuracy

## New Mobile Technology

- Roland DG MobilePanel accesses control panel functions from iOS and Android mobile devices.

## New VersaWorks Dual RIP

- Better and faster file processing
- PDF native engine to seamlessly process transparencies, shadows and blends



# Product Overview

**New TrueVIS INK**

- 500 ml pouches – CMYKLcLmLk + WH\*
- RFID ink control accurately tracks usage
- Horizontal cartridge tray cuts down waste

LED light across platen for accurate view of printing progress.

**New FlexFire Print Head Technology**

- Four heads fire in high frequency and wide print swath
- Excellent print quality up to 900 dpi

**Roland DG MobilePanel**

- Works with iOS and Android
- Bluetooth connection
- User maintenance step-by-step tutorials



Protective covering for control panel

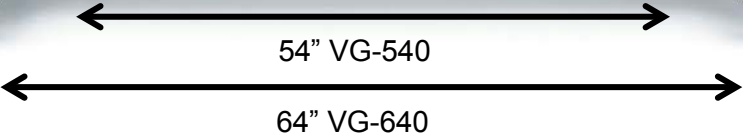
TU-2 640/540 Take-up System included

**New Cut Technology**

- 300 mm/sec
- 500 grams of force

**Competitive Price**

- 64': \$24,995
- 54': \$20,995



**Optional Accessories**

- DU2-640 for VG-640 \$2,450
- DU2-540 for VG-540 \$2,300



\*WH available May 2016



## Reasons to Buy

- 1** Greater Productivity
- 2** Ease of Use
- 3** Outstanding Print Quality
- 4** Roland Reliability & Support
- 5** Competitively Priced



# 1

## Greater Productivity

### 4 Color Print Speeds

VG-640 Print Speeds 4 Color (CMYK x 2)							
Media Type	Print Mode	Resolution	Pass	Throughput			
				64inch		54inch	
				ft2/h	m2/h	ft2/h	m2/h
Generic Vinyl 1	High Quality	900x900	8p	114.1	10.6	107.6	10
	<b>Standard</b>	<b>900x600</b>	<b>6p</b>	<b>152.8</b>	<b>14.2</b>	<b>144.2</b>	<b>13.4</b>
	High Speed	600x600	5p	184.0	17.1	174.3	16.2
			4p	188.3	17.5	178.6	16.6
Generic Banner 1	High Quality	900x900	8p	114.1	10.6	107.6	10
	<b>Standard</b>	<b>900x600</b>	<b>6p</b>	<b>152.8</b>	<b>14.2</b>	<b>144.2</b>	<b>13.4</b>
	High Speed	600x600	4p	188.3	17.5	178.6	16.6
			3p	251.8	23.4	238.9	22.2
	<b>Billboard</b>	<b>600x600</b>	<b>2p</b>	<b>374.4</b>	<b>34.8</b>	<b>345.4</b>	<b>32.1</b>

# 1

## Greater Productivity

### 4 Color Print Mode Comparison

TrueVIS VG-640: Vinyl, 4 color, CMYK x 2, Generic Vinyl 1					
Print Mode	dpi	Print Direction	Pass	Speed (ft2/hr)	Speed (m2/hr)
High Quality	900 x 900	Bi	8	114.10	10.6
Standard	<b>900 x 600</b>	<b>Bi</b>	<b>6</b>	<b>152.8</b>	<b>14.2</b>
High Speed	600 x 600	Bi	5	184	17.1
	600 x 600	Bi	4	188.3	17.5

30% faster than the VS-640i

VS-640i: Vinyl, 4 color, CMYK x 2, Generic Vinyl 1					
Print Mode	dpi	Print Direction	Pass	Speed (ft2/hr)	Speed (m2/hr)
High Quality	1440 x 720	Bi	6	47	4.4
Standard	<b>720 x 720</b>	<b>Bi</b>	<b>6</b>	<b>117</b>	<b>10.9</b>
High Speed	540 x 720	Bi	5	141	13.1

# 1

## Greater Productivity

### 4 Color Consumption

Printing 4 color  
CMYK x 2 on  
both devices

	Cart ML	Cart Price	Cost per ML
TruVIS Ink	500	\$114.99	\$0.23
Eco Sol MAX 2	440	\$128.99	\$0.29

4 Color Ink Consumption Comparison					
		VG-640		VS-640i	
	DPI	ml used	total cost	ml used	total cost
High Quality	900x900	4.55	\$1.05		
	1440x720			3.99	\$1.17
	720x1440				
Standard	900x600	4.54	\$1.04		
	720x720			3.84	\$1.13
	540x720				
High Speed	600x600	3.86	\$0.89		
	540x720			3.76	\$1.10
	540x360				

4 Color Ink Consumption Comparison					
		VG-640		VS-640i	
	DPI	ml used	total cost	ml used	total cost
High Quality	900x900	8.93	\$2.05		
	1440x720			7.97	\$2.34
	720x1440				
Standard	900x600	9.13	\$2.10		
	720x720			7.62	\$2.23
	540x720				
High Speed	600x600	7.33	\$1.69		
	540x720			7.45	\$2.18
	540x360				





# 1

## Greater Productivity

### 7 Color Print Speed

VG-640 Print Speeds 7 Color (CMYKLcLmLk)							
Media Type	Print Mode	Resolution	Pass	Throughput			
				64inch		54inch	
				ft2/h	m2/h	ft2/h	m2/h
Generic Vinyl 1	High Quality	900x900	13p	67.8	6.3	64.6	6
			16p	56.0	5.2	53.8	5
	<b>Standard</b>	<b>900x600</b>	<b>10p</b>	<b>89.3</b>	<b>8.3</b>	<b>85.0</b>	<b>7.9</b>
			12p	75.3	7	71.0	6.6
			High Speed	600x600	9p	101.1	9.4
	6p	122.7			11.4	117.3	10.9
	5p	148.5	13.8	143.1	13.3		
Generic Banner 1	High Quality	900x900	13p	67.8	6.3	64.6	6
			16p	56.0	5.2	53.8	5
	<b>Standard</b>	<b>900x600</b>	<b>9p</b>	<b>101.1</b>	<b>9.4</b>	<b>95.8</b>	<b>8.9</b>
			10p	89.3	8.3	85.0	7.9
			12p	75.3	7	71.0	6.6
	High Speed	600x600	6p	122.7	11.4	117.3	10.9
			5p	148.5	13.8	143.1	13.3

# 1

## Greater Productivity

### 7 Color Print Mode Comparison

TrueVIS VG-640: Vinyl, 7 color, CMYKLcLmLk, Generic Vinyl					
Print Mode	dpi	Print Direction	Pass	Speed (ft2/hr)	Speed (m2/hr)
High Quality	900 x 900	Bi	13	67.3	6.25
	900 x 900	Bi	16	56.2	5.22
Standard	900 x 600	Bi	12	75.4	7.01
	<b>900 x 600</b>	<b>Bi</b>	<b>10</b>	<b>89.4</b>	<b>8.31</b>
High Speed	600 x 600	Bi	9	101.1	9.4
	600 x 600	Bi	6	122.9	11.42

54% faster than the VS-640i

VS-640i: Vinyl, 7 color, CMYKLcLmLk, Generic Vinyl					
Print Mode	dpi	Print Direction	Pass	Speed (ft2/hr)	Speed (m2/hr)
High Quality	1440 x 720	Bi	12	31.2	2.9
Standard	<b>720 x 720</b>	<b>Bi</b>	<b>12</b>	<b>58.1</b>	<b>5.4</b>
High Speed	540 x 720	Bi	10	68.9	6.4

Slightly slower than the XR-640

XR-640: Vinyl, 7 color, CMYKLcLmLk, Generic Vinyl					
Print Mode	dpi	Print Direction	Pass	Speed (ft2/hr)	Speed (m2/hr)
High Quality	720 x 1440	Bi	10	48.4	4.5
Standard	<b>540 x 720</b>	<b>Bi</b>	<b>6</b>	<b>109.8</b>	<b>10.2</b>
	360 x 720	Bi	4	165.7	15.4
High Speed	540 x 360	Bi	3	232.4	21.6

# 1 Greater Productivity

## 7 Color Consumption

Printing 7 color  
CMYKLCmLk on  
all devices

	Cart ML	Cart Price	Cost per ML
TruVIS Ink	500	\$114.99	\$0.23
Eco Sol MAX 2	440	\$128.99	\$0.29

7C Ink Consumption Comparison							
		VG-640		VS-640i		XR-640	
	DPI	ml used	total cost	ml used	total cost	ml used	total cost
High Quality	900x900	7.69	\$1.77				
	1440x720			6.32	\$1.85		
	720x1440					7.02	\$2.06
Standard	900x600	6.93	\$1.59				
	720x720			5.39	\$1.58		
	540x720					6.84	\$2.01
High Speed	600x600	6.41	\$1.47				
	540x720			5.19	\$1.52		
	540x360					6.61	\$1.94

7C Ink Consumption Comparison							
		VG-640		VS-640i		XR-640	
	DPI	ml used	total cost	ml used	total cost	ml used	total cost
High Quality	900x900	14.59	\$3.36				
	1440x720			12.54	\$3.68		
	720x1440					11.49	\$3.37
Standard	900x600	12.86	\$2.96				
	720x720			9.97	\$2.92		
	540x720					9.39	\$2.75
High Speed	600x600	11.32	\$2.60				
	540x720			9.49	\$2.78		
	540x360					9.63	\$2.82

N5A



N2A



# 1

## Greater Productivity

### New FlexFire Print Heads

- Approximately 25% longer print swath than VSi
- Piezo ink-jet method
- Two lines per print head
- Faster firing frequency
- Improved, rounder droplet



# 1 Greater Productivity

## New Cutting Technology

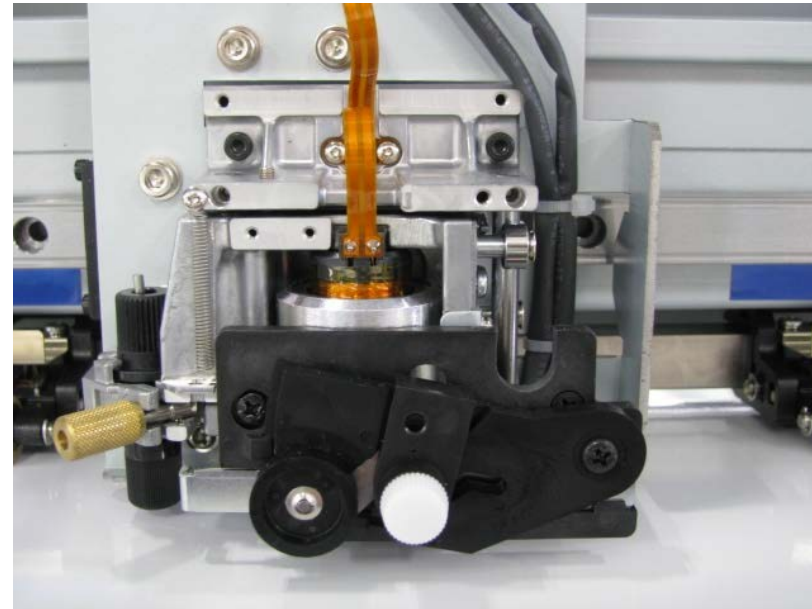
- Increased downforce: 500 gf
- Greater accuracy

## New Cut Functions:

- Vector sorting for maximum efficiency
- Overwrap cutting that does not go back to the origin point

## New Blade Housing

- New blade holder: XD-CH3
- New blade: ZEC-5032

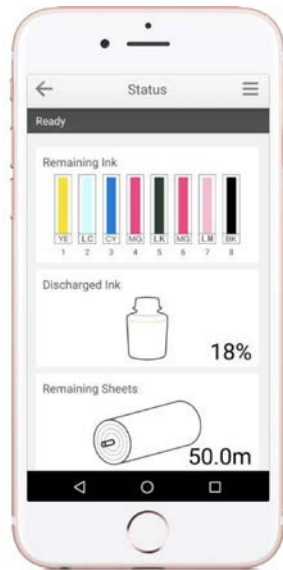




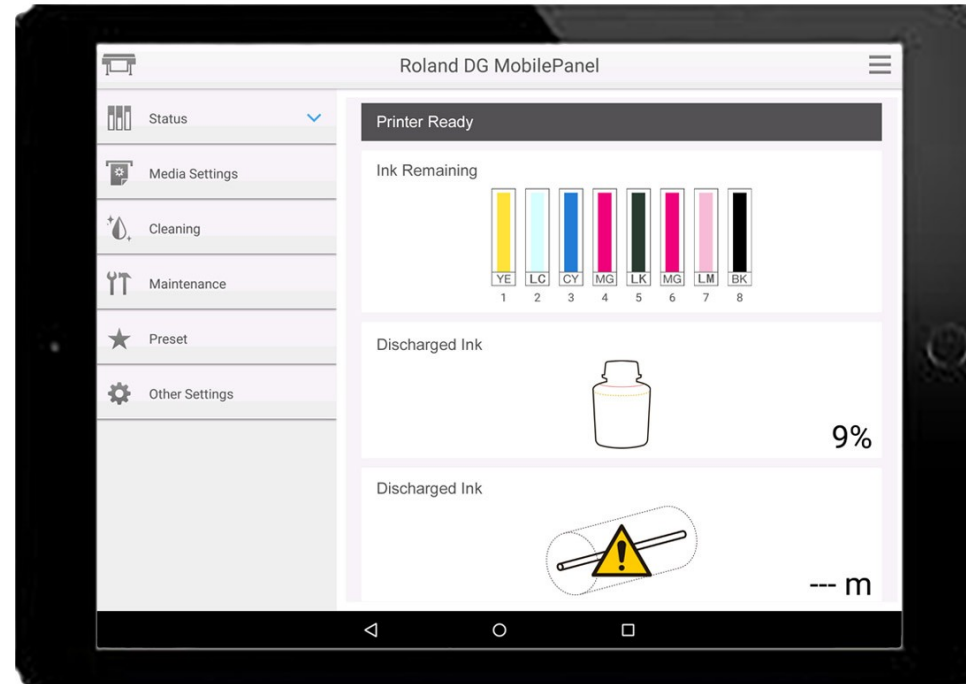
## 2 Ease of Use

### Roland DG MobilePanel

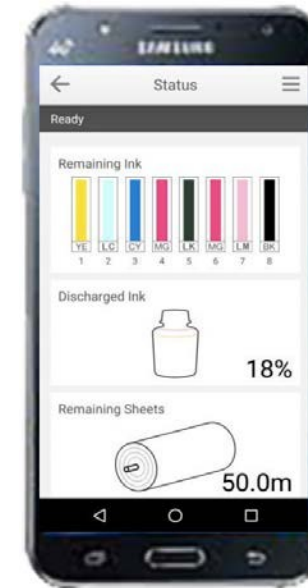
- Perform print panel functions from iPhone/iPad/Android\*



iPhone



iPad



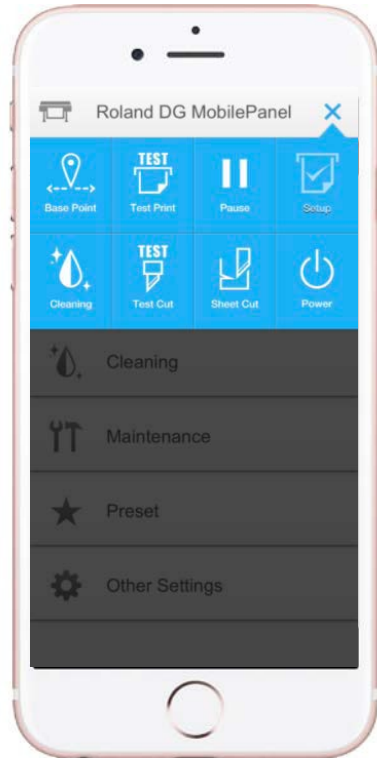
Samsung

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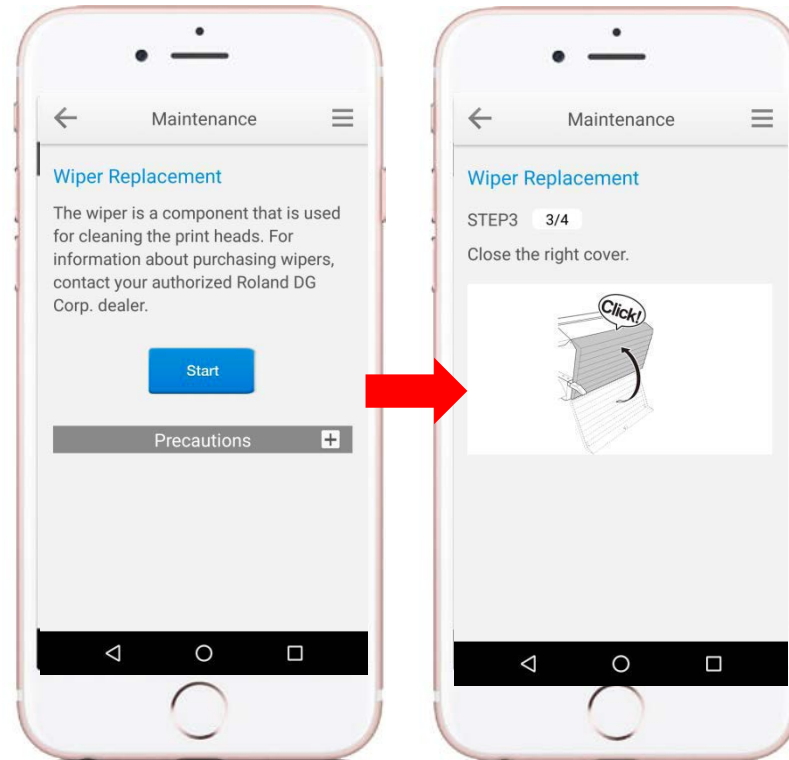
\*Mobile phone/tablet \*not included with printer

# 2 Ease of Use

## Roland MobilePanel



Bluetooth Control



Step-by-step user maintenance tutorials

\*Mobile phone/tablet not included with printer

## 2 Ease of Use

### Take-Up System Included (TU2)

- For roll-to-roll, unattended, long-run printing



### Optional Drying system (DU2)

- DU-640 for VG-640 \$2,450.00
- DU-540 for VG-540 \$2,300.00

## 2 Ease of Use

### LED lights positioned for easy viewing of print functions



LED on top turns on while printing

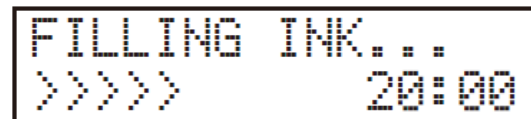


LED on bottom turns on when manual cleaning



LED on top turns on RED If a service call or motor error occurs

### Count-remaining timer for cleanings and major functions



# 3 Print Quality

## New Ink System

- TrueVIS INK is specifically designed to function with the new FlexFire print head.
- A new, rounder droplet in three variable sizes ensures perfect ink placement.
- New pouch system. TrueVIS INK is available in 500 cc pouches.

# TrueVIS INK





# 3 Print Quality

## Improved Color Gamut

# TrueVIS INK



- | MAX2 ink test conditions             | TrueVIS INK test conditions          |
|--------------------------------------|--------------------------------------|
| - Printer: VS-640i                   | - Printer: VG-640                    |
| - Media: SV-GG                       | - Media: SV-GG                       |
| - Media Profile: Standard 720x720dpi | - Media Profile: Standard 600x900dpi |
| Density control only                 | Density control only                 |

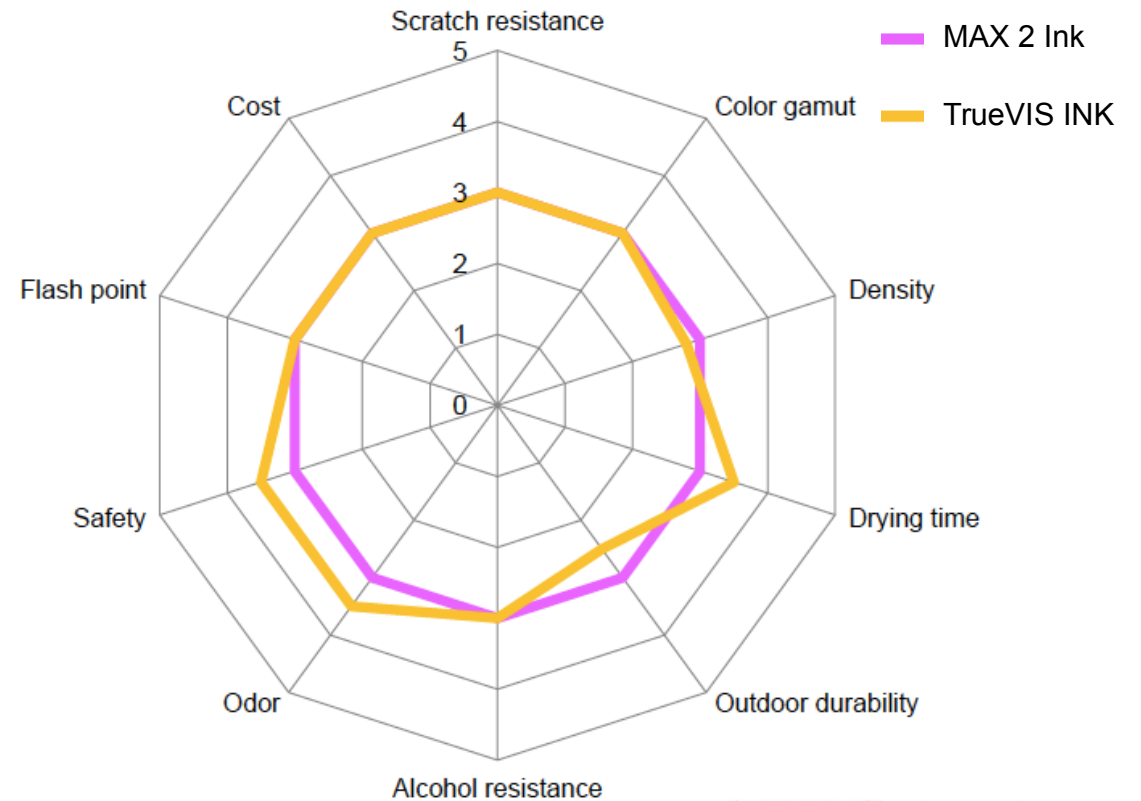
# 3 Ink Durability and Efficiency

Compared to Eco-Sol MAX 2 ink, TrueVIS INK boasts:

- Lower price per ml
  - \$114.99 per 500 ml
- GREENGUARD Gold Certification
- Faster drying
- Less odor
- Same scratch/alcohol resistance
- 3-year outdoor durability
- New, safer chemical make-up
  - No reproductive toxicant
- Comparable color gamut
- Comparable flash point



# TrueVIS INK



# 4

## Roland Reliability and Support

### Two-Year Trouble-Free Warranty

#### Roland Care

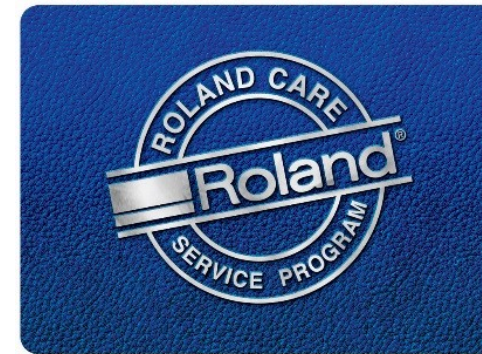
- Service contracts available
- Industry-best service and support

#### Roland OnSupport

- Receive real time information from the printer

#### Roland Academy

- Free online webinar training
- Pro Tips and Tricks



**Roland  
OnSupport**



# Applications

## Print & Cut Decals





# Applications

## Window Graphics and Backlit Displays





# Applications

## Vehicle Wraps



# Applications

## Posters & Banners





# Applications

## Heat Transfer Apparel Appliqué



# Applications

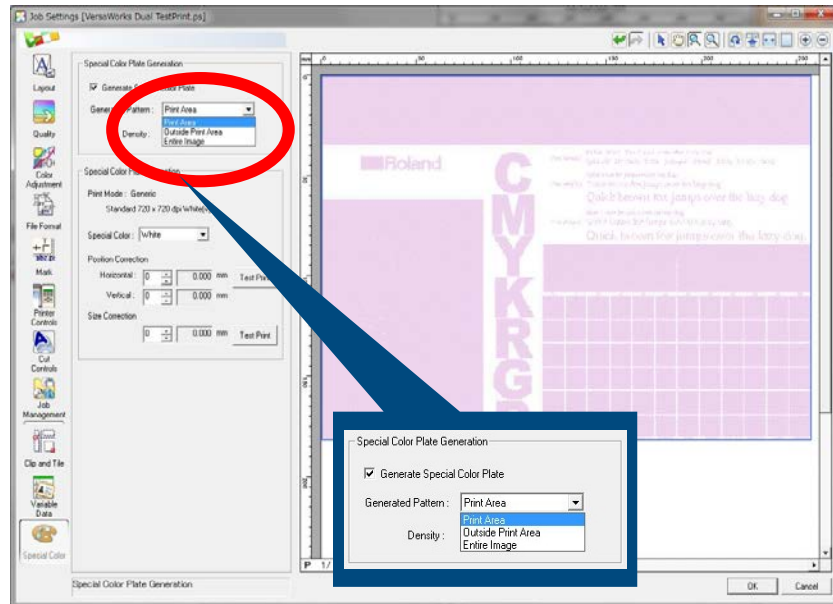
## POP Displays & Wall Graphics



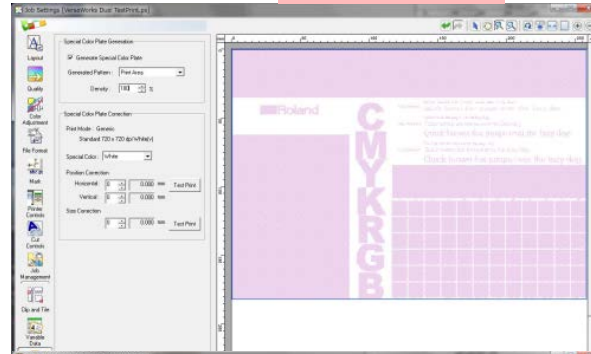
# NEW VersaWork®Dual RIP Software

## Generate Specialty Color Layers Automatically

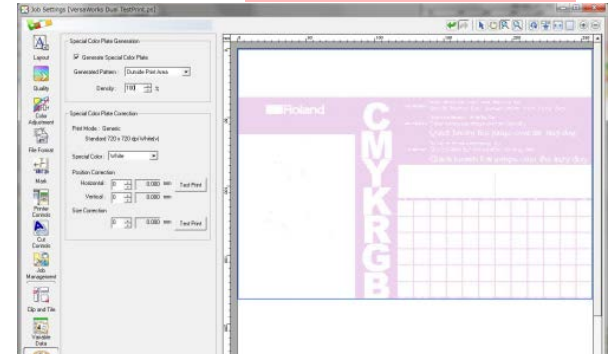
- Generate a layer of white ink without the need to return to design software
- Three different options to choose from – print area, outside print area or block out the entire image



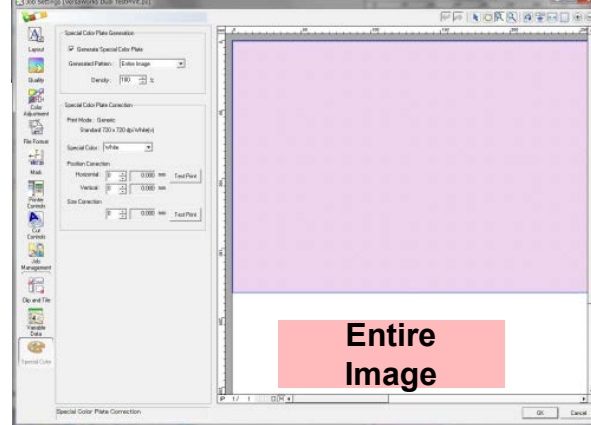
Print Area



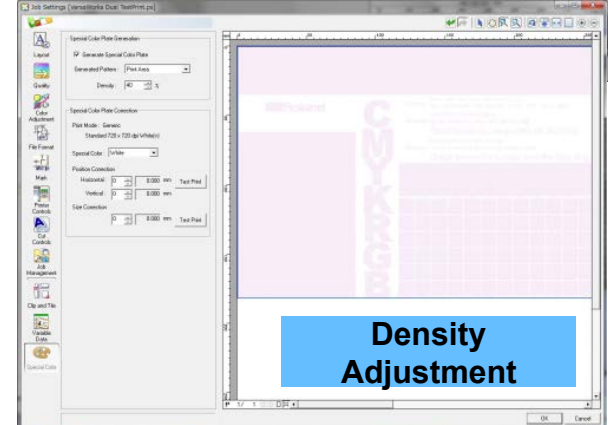
Outside Print Area



Entire Image



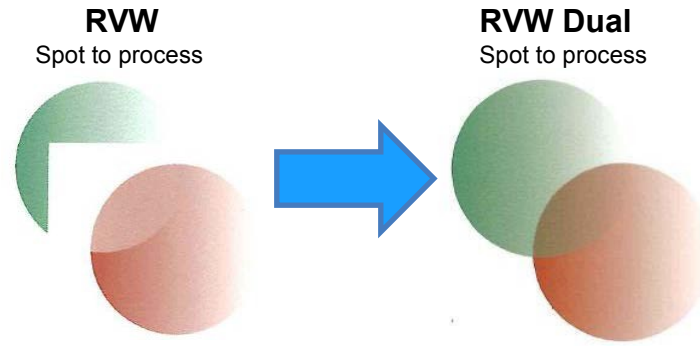
Density Adjustment



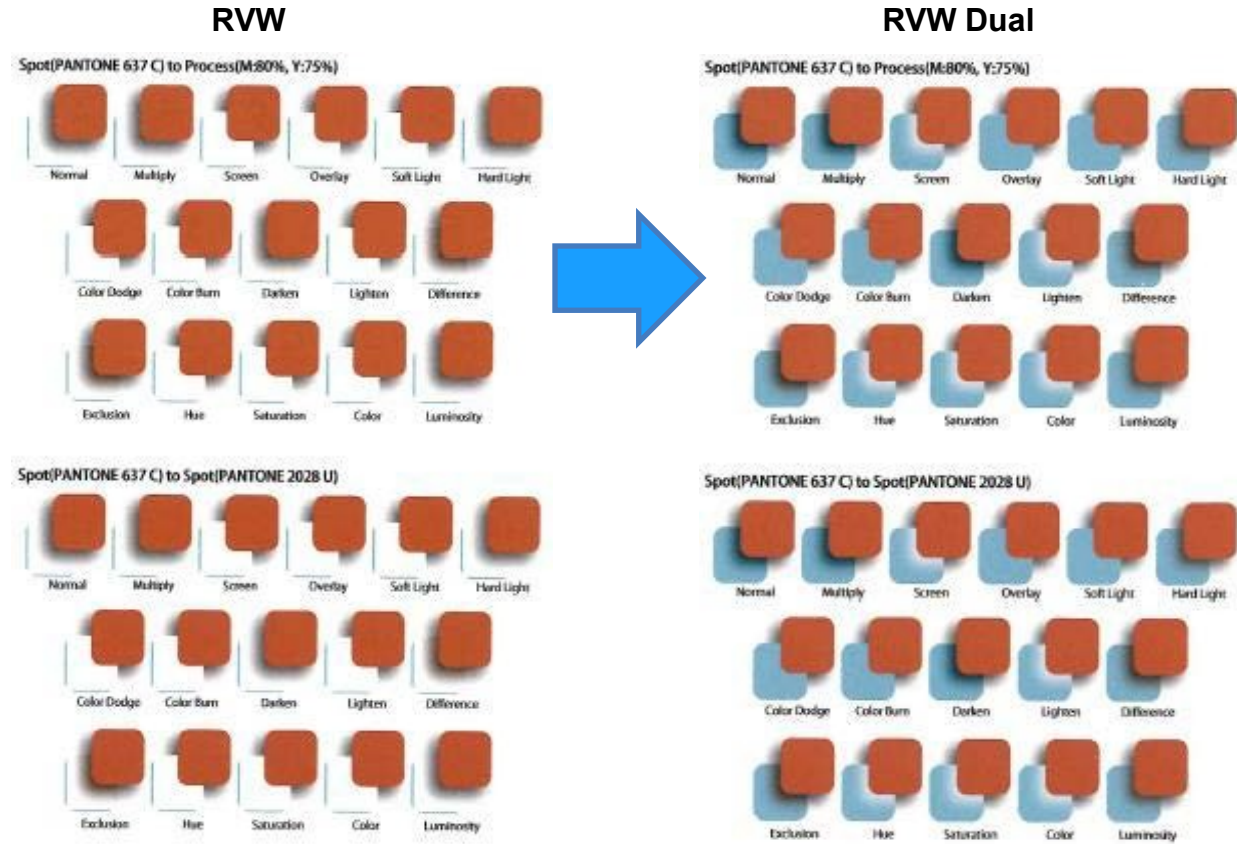


# NEW VersaWork<sup>®</sup>Dual

Proper processing of transparencies

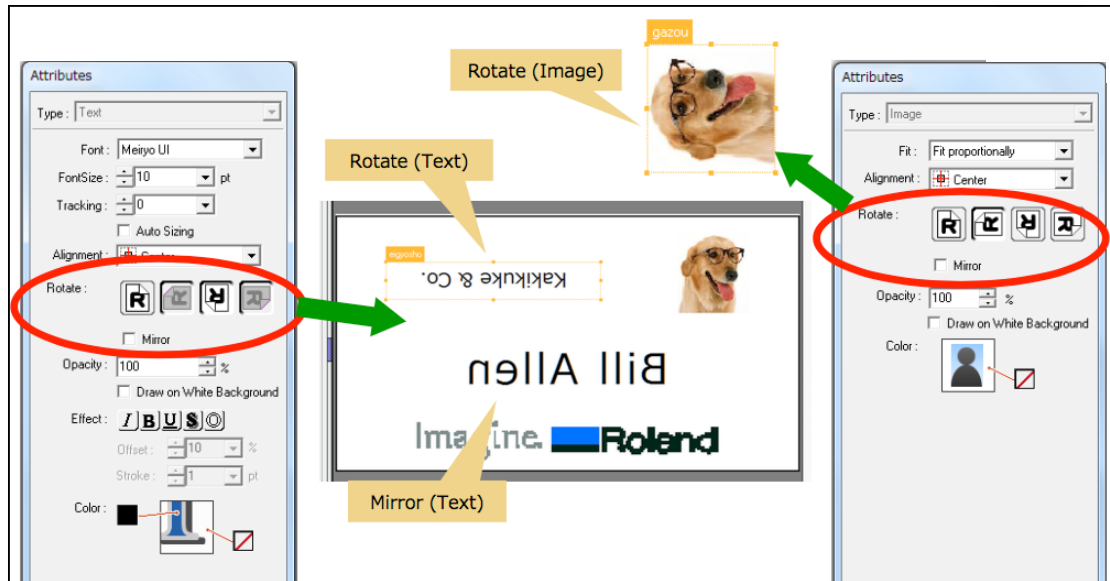


Proper processing of drop shadows

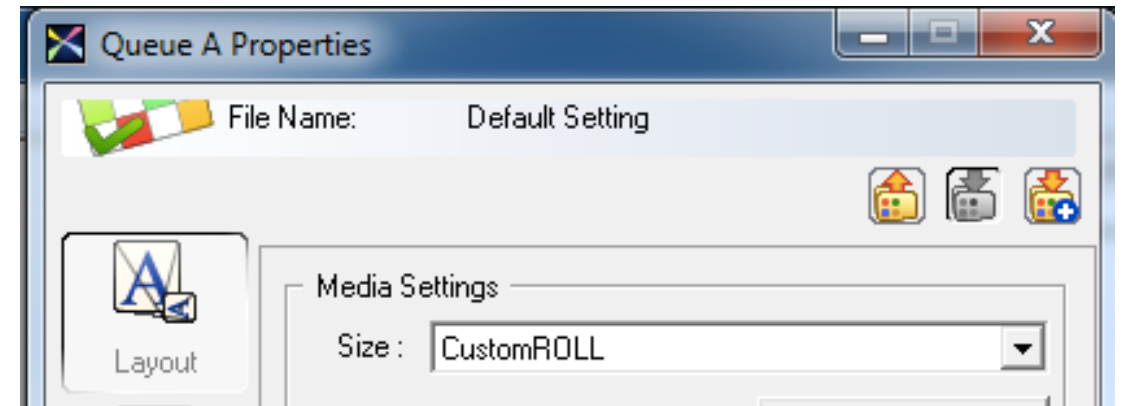


# NEW VersaWork<sup>®</sup>Dual

## Rotate/mirror variable text and image data



## Save and store unlimited queue settings



# Specifications (overview)

Specifications: VG Series Printer/Cutters		
<b>Product Concept</b>		New generation Print & Cut
<b>Size</b>		64": VG-640 54": VG-540
<b>HEAD</b>		New "N" head x 4
<b>Ink</b>	<b>Capacity</b>	500 cc
	<b>Color</b>	4 Color □C,M,Y,K x 2
		7 Color □C,M,Y,K,Lc,Lm,Lk, 8 Color □C,M,Y,K,Lc,Lm,Lk,Wh (coming soon)
	<b>Cartridge</b>	RFID (No IC Chip)
Ink Pouch (User can replace only pouch)		
<b>Resolution</b>		Maximum 900 dpi
<b>RIP</b>		Roland VersaWorks Dual
<b>Cutting</b>	<b>Cut Force</b>	500 gf
	<b>Cut Speed</b>	300 mm/s
<b>Productivity</b>	<b>4 Color</b>	Standard mode □172 sqft/hr (target)
	<b>8 Color</b>	Standard mode □89 sqft/hr
<b>MSRP (includes TU-2 unit)</b>		64": \$24,995 54": \$20,995

Roland Versa Works Dual System Requirements	
Operating system	Windows® 10 (32/64-bit)
	Windows® 8/8.1 (32/64-bit)
	Windows® 7 Professional / Ultimate (23/64-bit)
CPU	Intel® Core™2 Duo, 2.0 GHz or faster recommended
RAM	2 GB or more recommended
Video card and monitor	A resolution of 1,280 x 1,204 or more recommended
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

**For detailed specifications please review the Product Information Guide**

**Thank you.**

Imagine.  **Roland**