# READY SET FLOW

# **Arizona 2300 series**

The Arizona 2300 series is part of the 5th generation of Arizona systems. The track record extends to more than 7,000 installations worldwide since 2007. These systems are renowned for their impressive reliability, accuracy and incredible, near-photorealistic quality.



### Productive, versatile, smart & sustainable

Design complex jobs once, and then easily adapt and repeat to save time on future projects. The new Arizona 2300 series is designed to serve the versatile printing needs of printers who require peak production capacity, for instance exceeding 700 m2/week, in a single shift.

This latest addition to the award-winning series of flatbed printers is rock-solid in its basic configuration and ready for upgrades such as roll media and additional ink channels, including our brightest ever white UV ink.

As the global leader in Large Format imaging systems, Canon has set the market standard for productivity, instant operation, reliable performance and amazing quality.

Join the Arizona family and reap the benefits of instant-on printing and incredible, creative applications. Print after print. Year after year.

### PRODUCT RANGE



Arizona 2340 GTF/XTF



Arizona 2360 GTF/XTF



Arizona 2380 GTF/XTF



### TECHNICAL SPECIFICATIONS

# Arizona 2300 GTF

**Printing Technology** 

4/6/8-channel piezoelectric inkjet system using VariaDot imaging technology; with two 636-nozzle, variable droplet printheads per channel.

Ink Configurations

2340 GTF: CMYK 2360 GTF: CMYK+WW/V 2380 GTF: CMYK+WW/V +cm

Resolution

Variable droplet sizes from 6 to 30 picolitres. The ability to vary the drop size to 6 picolitres produces sharp images with smoother gradients and quartertones. The ability to jet larger droplets up to 30 picolitres produces uniform colours. The result is near-photorealistic quality with sharpness only before seen at resolutions of 1,440 dpi or higher. Text as small as 2 pt. is perfectly legible (in High Definition mode).

**Print Speed** 

Print Modes				Flatbed		RMO	
Print Modes	2340 GTF	2360 GTF	2380 GTF	m²/h	ft²/h	m²/h	ft²/h
High-Key	X	X	×	89.0	958	60.0	646
Express	X	X	×	57.6	620	45.6	491
Production-Fast			×	44.0	473	35.6	383
Production	X	X	×	36.7	395	30.8	332
Production Plus			×	36.7	395	30.8	332
Quality	X	X	×	26.0	280	22.5	242
Quality-Plus			×	26.0	280	22.5	242
Quality-Matte	X	X	×	19.0	204	16.6	179
Quality-Smooth	X	X	X	14.5	156	12.7	137
Quality-Density	X	X	×	14.5	156	12.7	137
Quality-Layered (2)		X	×	13.0	140	11.2	121
Quality-Layered (3)		X	×	8.7	93	7.5	80
Fine Art	X	X	×	21.0	226	18.4	198
High Definition	X	X	×	11.1	119	10.1	109
Varnish (High Gloss)		X	×	~7	~75	n.a.	n.a.

Ink System

IJC357 UV-curable inks packed in quick-change, 2 and 3 litre bags for: Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta. White and Varnish packed in 1 litre bags.

System Architecture

True flatbed for rigid media printing with Arizona FLOW technology: an impressive airflow technique combined with a zone-less, double-origin table layout, supported by 8 easy-to-use pneumatic registration pins. In addition, the Roll Media Option is available for flexible media printing.

Geometric Accuracy

Measured Over Flatbed Maximum Error Flatbed RMO 2,190 mm 2,000 mm 2,190 mm 2,000 mm 2,000 x2,190 mm RMO Line length (system width) Line length (system height) Line straightness (system width) Line straightness (system height) Diagonal Error ("squareness") ± 0.8 mm ± 0.4 mm 0.7 mm 0.5 mm 1.0 mm ± 0.6 mm ± 1.5 mm 0.7 mm 2.0 mm 2.5 mm 2,500 mm 1,250 mm 2,500 mm 1,250 mm 1,250x2,500 mm

Rigid Media

 $125 \times 250$  cm /  $49.2 \times 98.4$  inches 50.8 mm / 2.0 inches 34 kg/m2 / 7 lbs/ft2 Maximum area: Maximum thickness: Maximum mass:

Rigid Media Print Area

Up to:  $126 \times 251$  cm  $/ 49.6 \times 98.8$  inches (for edge-to-edge printing)

**Media Roll Specification** 

90 to 220 cm / 35.4 to 86.6 inches. Up to 50 kg / 110 lbs (at any width). Maximum diameter: 240 mm (9.45 inches). Core: 3 inches (inside). Bias: Print-side-in or print-side-out. Most types (application dependent)

Roll Media Print Width

Up to 219 cm / 86.2 inches

**Image Processing** 

ONYX® Thrive™ 19 (421 configuration or greater recommended)

Connectivity

10/100/1000 Base-T

Arizona Xpert

Arizona Xpert offers a unique tool set to save time and money in the creation of multiple-up, multi-layered, duplex or complex applications. To activate this functionality the "Arizona Xpert Resale license" and the "Add Arizona Xpert Permission" are needed with the Arizona 2300 series printer. Further it requires ONYX Thrive to be installed.

Electrical Power / Compressed Air

2 x 200-240 VAC, 50/60 Hz, Single-phase, 16A per circuit Circuit Breakers: North America: 20A. Europe: 16A. ROW: See CB Scheme Report Clean, dry, compressed air using a Coalescing Filter. Pressure Regulator set to 690 kPa (100 psi) and connects air regulator to ½ inch or 12mm OD air tubing. Peak flow: 113 1/min at 690 kPa (4 cfm at 100 psi)

Environment

Temperature: 18° to 30° C (64° to 86° F)
Relative humidity: 30 to 70% (non-condensing)
Ventilation: 1,200 m 3p per hour / 700 cfm minimum (see Site Preparation Guide)
Altitude: 2,750 m (9,020 feet) maximum, however some components specify a limit of 2,000 m (6,560 feet)

Size/Weight

Printer only:  $5.0 \text{ m} \times 2.0 \text{ m}$  (196.9  $\times$  78.7 inches), 885 kg (1,951 lbs.) Printer + Roll Media Option:  $5.0 \text{ m} \times 2.29 \text{ m}$  (196.9  $\times$  90.2 inches), 1,135 kg (2,502 lbs.) Table height: 0.88 m (34.6 inches) / Overall height: 1.3 m (51.2 inches)

### TECHNICAL SPECIFICATIONS

# Arizona 2300 XTF

**Maximum Error** 

**Printing Technology** 

Ink Configurations

4/6/8-channel piezoelectric inkjet system using VariaDot imaging technology; with two 636-nozzle, variable droplet printheads per channel.

2340 XTF: CMYK 2360 XTF: CMYK+WW/V 2380 XTF: CMYK+WW/V +cm

Resolution

Variable droplet sizes from 6 to 30 picolitres. The ability to vary the drop size to 6 picolitres produces sharp images with smoother gradients and quartertones. The ability to jet larger droplets up to 30 picolitres produces uniform colours. The result is near-photorealistic quality with sharpness only before seen at resolutions of 1,440 dpi or higher. Text as small as 2 pt. is perfectly legible (in High Definition mode).

**Print Speed** 

Print Modes				Flatbed		RMO	
Print Modes	2340 XTF	2360 XTF	2380 XTF	m²/h	ft²/h	m²/h	ft²/h
High-Key	X	×	×	95.0	1023	60.0	646
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Production	X	×	×	39.7	427	30.8	332
Production-Plus			×	39.7	427	30.8	332
Quality	X	×	×	27.6	297	22.5	242
Quality-Plus			×	27.6	297	22.5	242
Quality-Matte	X	×	×	19.7	212	16.6	179
Quality-Smooth	X	×	×	15.3	164	12.7	137
Quality-Density	X	×	×	15.3	164	12.7	137
Quality-Layered (2)		×	×	13.8	148	11.2	121
Quality-Layered (3)		×	×	9.2	99	7.5	80
Fine Art	X	×	×	21.8	235	18.4	198
High Definition	X	×	×	12.2	131	10.1	109
Varnish (High Gloss)		X	X	~9	97	n.a.	n.a.

Ink System

IJC357 UV-curable inks packed in quick-change, 2 and 3 litre bags for: Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta. White and Varnish packed in 1 litre bags.

System Architecture

True flatbed for rigid media printing with Arizona FLOW technology: an impressive airflow technique combined with a zone-less, double-origin table layout, supported by 16 easy-to-use pneumatic registration pins. In addition, the Roll Media Option is available for flexible media printing.

Geometric Accuracy

	Flatbed	RMO	Flatbed	RMO
Line length (system width)	2,500 mm	2,190 mm	± 0.8 mm	± 0.6 mm
Line length (system height)	3080 mm	2,000 mm	± 1.0 mm	± 1.5 mm
Line straightness (system width)	2,500 mm	2,190 mm	0.7 mm	0.7 mm
Line straightness (system height)	3080 mm	2,000 mm	0.7 mm	2.0 mm
Diagonal Error ("squareness")	3080x2,500 mm	2,000x2,190 mm	1.0 mm	2.5 mm

Rigid Media

 $308\times250$  cm / 121.3  $\times$  98.4 inches (320  $\times$  N cm permitted w/308 cm vacuum) 50.8 mm / 2.0 inches 34 kg/m2 / 7 lbs/ft2 Maximum area: Maximum thickness: Maximum mass:

Rigid Media Print Area

Up to:  $309 \times 251 \text{ cm} / 121.7 \times 98.8 \text{ inches} (321 \times \text{N cm permitted w/} 308 \text{ cm vacuum})$ 

**Measured Over** 

**Media Roll Specification** 

Roll Media Print Width

90 to 220 cm / 35.4 to 86.6 inches. Up to 50 kg / 110 lbs (at any width). Maximum diameter: 240 mm (9.45 inches). Core: 3 inches (inside). Bias: Print-side-in or print-side-out. Most types (application dependent)

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Environment

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Size/Weight

Printer only:  $5.0 \text{ m} \times 3.83 \text{ m}$  (196.9 x 150.8 inches), 1,891 kg (4,169 lbs.) Printer + Roll Media Option:  $5.0 \text{ m} \times 4.12 \text{ m}$  (196.9 x 162.2 inches), 2,141 kg (4,720 lbs.) Table height: 0.88 m (34.6 inches) / Overall height: 1.3 m (51.2 inches)



