

# Canon



## ARIZONA 1300 SERIES

Ready when you are.  
Do more. Do it smarter. Do it now.



ARIZONA 1300 SERIES



Arizona  
Xpert

## ARIZONA 1300 SERIES

The Arizona® 1300 series consists of true flatbed printers based on UV-curable ink. Quick, reliable, and low-maintenance, they are ideal for their print quality and versatility for both rigid and flexible media applications. Enjoy a mind-blowing application latitude, instant-on capability, and self-learning technology that helps you leverage your expertise. Design complex jobs once and easily adapt and repeat to help save time on future projects. The new Arizona 1300 series is designed to serve the versatile printing needs of print providers who require a mid-volume production capacity. Rock-solid in its basic configuration, it's ready for upgrades such as the Roll Media Option and additional ink channels, including our brightest ever white UV ink and clear varnish.



### Do more

#### PRINT ON RIGID OR FLEXIBLE MEDIA

The Arizona 1300 series stands out thanks to its wide-ranging application possibilities. Would you like to print on odd-shaped, heavy, smooth, or precut media? On unusual media or objects, such as canvas, wood, tile, or glass? Or even print large images tiled over multiple large boards? The Arizona 1300 series is built around true flatbed architecture for versatile printing results. Edge-to-edge printing with ease for media or objects of practically any size: up to 49.2 by 98.4 inches (1.25 by 2.5 metres) with the GT models and 98.4 by 121.3 inches (2.5 by 3.08 metres) with the XT models.

New print modes and enhanced screening give you incredible print quality, print after print. The option to add light cyan and light magenta inks, our brightest white UV ink, or varnish to your ink channels helps enable even higher quality photo and fine art applications.

#### OUTSTANDING PRINT QUALITY COMES STANDARD

The Arizona 1300 series employs the award-winning VariaDot® printing technology featured in all Arizona printers. This offers near photographic print quality for reliable printing in even the fastest production modes.





VariaDot printing technology uses multiple droplet sizes in every print. The right drop volume is available for each specific image feature: small drops for fine detail, midsized drops for colour transitions, and large drops for areas of heavy colour saturation. The key ingredient for the Arizona 1300 series' print quality is its precision and reliable register. A high-resolution camera alignment system provides easy, quick, and precise printhead alignment and flatbed table mapping. Active Pixel Placement Compensation creates an accurate, uniform print geometry over the entire flatbed surface — effectively making the entire flatbed table flat to within 50 microns. The new UV LED inks have GREENGUARD Gold certification, so your prints can be used practically anywhere, even in schools and hospitals.

### AN ENTIRELY NEW DIMENSION

When was the last time you could literally add a new dimension to your work? Equipping the Arizona 1300 series with Touchstone technology—which consists of two main software components—enables you to easily create and print textured designs using automation rather than complex manual processes.



### Do it smarter

#### IMAGINE, PRINT, LEARN, REPEAT

What if your printer could learn from what you do? The Arizona 1300 series can do just that with the self-learning capacity of the integrated Arizona Xpert functionality. Intuitively design your complex, multilayered project once and print it. The printer will then learn the recipe for the project—including transparencies and multisided printing. The next time you would like to print a similar application, the printer uses this recipe without you having to input the settings all over again.

#### EASY, RELIABLE, SOLID

In addition, Arizona 1300 series printers are designed for the kind of easy, reliable operation a busy print environment needs. Make last-minute adjustments at the printer, such as nesting, batching of complex jobs, step and repeat, mirroring, and reassignment of print modes. Media handling, too, is simple and efficient. Rigid media loading is quick and easy thanks to the pneumatic registration pins. The six- or seven-zone vacuum system is optimized for standard rigid media sizes, making vacuum masking unnecessary in many cases. With dual-origin, independent vacuum systems on the XT models, you can load or unload one piece of media while simultaneously printing on another. The vacuum system has a high enough pressure to reliably pull and hold down media during printing.





### ADD UPGRADES AT ANY TIME

With the Arizona 1300 series, you can add upgrades at any time, from additional ink channels for more versatility and productivity to a Roll Media Option for uncompromising print quality on flexible media. With four, six, or eight colour channels, you can effortlessly create the exact hardware configuration you need: add extra ink channels for a colour configuration with light inks, or add varnish or bright white ink for stunning, high-value applications. With the Roll Media Option, you can print on media of up to 86.6 inches (220 centimetres) wide, weighing up to 110.2 pounds (50 kilograms) — including thin, heat-sensitive media. This upgrade also allows you to switch between rigid and flexible media jobs without any machine preparation — including safe, unattended overnight printing.

You can also add the Static Suppression Upgrade Kit anytime you like, providing active suppression of static electricity when printing on hard plastic materials such as acrylic, polycarbonate, and styrene.



### Do it now

#### INSTANT PRINTING WITHOUT WARM-UP

When a valuable rush job comes in, the last thing you want to do is wait for your printer to warm up. The Arizona 1300 series offers instant-on capability through its LED-UV curing system. The new UV inks — which offer incredible adhesion and ink functionality

over a broad media range — are optimized for LED curing, resulting in excellent print quality.

### SPEED AND PRODUCTIVITY

The Arizona 1300 series exemplifies speed and productivity, delivering sharp, high-key prints up to 568 square feet (52.8 square metres) per hour and high-density prints up to 380 square feet (35.3 square metres) per hour. Even better, utilizing tiny 6 to 42 picolitre drops, this productivity comes with extremely low ink consumption for printers with greyscale printhead technology: less than 0.74 millilitres per square foot (8 millilitres per square metre) on average including maintenance.

### UPTIME IS KEY

Once it is productive, it stays productive. The Automated Maintenance System offers hands-free printhead maintenance, restoring nozzle function in seconds. Traditionally a difficult colour to maintain, the Arizona 1300 white ink system is just as error-proof as the other colours: it is easily cleaned with the Automated Maintenance System, restoring reliable nozzle functionality.



### Arizona 1300 series printer speeds

PRINT MODE	ARIZONA 1300 GT/XT SERIES MODELS			FLATBED		RMO
	ARIZONA 1340 PRINTER	ARIZONA 1360 PRINTER	ARIZONA 1380 PRINTER	GT MODEL	XT MODEL	
				SQUARE FEET PER HOUR		SQUARE FEET PER HOUR
High-Key	●	●	●	547.9	568.3	415.5
Express	●	●	●	368.1	380.0	277.7
Production — Fast			●	271.3	278.8	202.4
Production	●	●	●	223.9	229.3	183.0
Quality	●	●	●	157.2	161.5	129.2
Quality — Matte	●	●	●	111.9	116.3	85.0
Quality — Density	●	●	●	85.0	88.3	67.8
Quality — Layered (2)		●	●	78.6	80.7	64.6
Quality — Layered (3)		●	●	51.7	53.8	43.1
Fine Art	●	●	●	125.9	128.1	102.3
High Definition	●	●	●	66.7	68.9	64.6
Varnish (High Gloss)		●	●	43.1	53.8	N/A

## Arizona 1300 GT series models

TECHNOLOGY				
Print Resolution	Variable droplet sizes from 6 to 42 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 42 picolitres produces uniform colours. The result is near-photographic quality with sharpness only before seen at resolutions of 1,440 dpi or higher. Text as small as 2 pt. is perfectly legible (with High Definition mode).			
Writing Technology	4-/6-/8-channel piezoelectric inkjet system using VariaDot imaging technology; with one 636 nozzle variable droplet printhead per channel.			
Ink System	IJC357 UV-curable inks packed in quick-change, 2-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 available Roll Media Option for flexible media printing.			
Ink Configurations	Arizona 1340 GT printer: CMYK Arizona 1360 GT printer: CMYK + WW/V Arizona 1380 GT printer: CMYK + WW/V + cm			
RIGID MEDIA SUPPORT				
Maximum Vacuum Area	49.2" x 98.4" (125 cm x 250 cm)			
Maximum Print Area	49.6" x 98.8" (126 cm x 251 cm) for edge-to-edge printing			
Maximum Thickness	2" (50.8 mm)			
Maximum Mass	7 lbs./ft. <sup>2</sup> (34 kg/m <sup>2</sup> )			
MEDIA				
Media Roll Specification	35.4" to 86.6" (90 cm to 220 cm); Up to 110 lbs. (50 kg; at any width). Maximum diameter: 9.45" (240 mm). Core: 3" (inside). Bias: Print-side in or print-side out. Most types (application dependent).			
Roll Media Print Width	Up to 86.2" (219 cm)			
GEOMETRIC ACCURACY	Measured Over		Maximum Error	
	RMO	Flatbed	RMO	Flatbed
Line Width	2,500 mm	2,190 mm	± 0.8 mm	± 0.6 mm
Line Length	1,250 mm	2,000 mm	± 0.4 mm	± 1.5 mm
Line Straightness/Width	2,500 mm	2,190 mm	0.7 mm	0.7 mm
Line Straightness/Length	1,250 mm	2,000 mm	0.5 mm	2.0 mm
Diagonal Error	1,250 x 2,500 mm	2,000 x 2,190 mm	1.0 mm	2.5 mm
INTERFACE AND SOFTWARE				
Connectivity	10/100/1000 Base-T			
Image Processing	ONYX® Thrive™ 18 (421 configuration or greater recommended)			
OPERATING ENVIRONMENT				
Power Requirements	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.			
Compressed Air (Supplied by Customer)	Clean, dry, compressed air using a Coalescing Filter. Pressure Regulator set to 690 kPa (100 psi) and connects air regulator to 0.5" or 12 mm OD air tubing. Peak flow: 57 L/min. at 690 kPa (2 cfm at 100 psi).			
Temperature	64 °F to 86 °F (18 °C to 30 °C); Relative humidity: 30 to 70% (non-condensing).			
Ventilation	1,200 m³ per hour/700 cfm minimum (see Site Preparation Guide).			
Operating Altitude	9,020 ft. (2,750 m) maximum, however, some components specify a limit of 6,560 ft. (2,000 m).			
SIZE AND WEIGHT	Printer Only		Printer and Roll Media Option	
Dimensions	183.5" x 78.7" (4.66 m x 2.0 m)		183.5" x 90.2" (4.66 m x 2.29 m)	
Weight	1,871 lbs. (849 kg)		2,423 lbs. (1,099 kg)	
Table Height	34.6" (0.88 m)		N/A	
Overall Height	51.2" (1.3 m)		N/A	
SOFTWARE				
Arizona Xpert	Arizona Xpert offers a unique tool set to save time and money in the creation of complex, multilayered and duplex applications. The “Arizona Xpert Resale license” and the “Add Arizona Xpert Permission” are included with every Arizona 1300 printer and require ONYX Thrive to be installed.			

## Arizona 1300 XT series models

TECHNOLOGY				
Print Resolution	Variable droplet sizes from 6 to 42 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 42 picolitres produces uniform colours. The result is near-photographic quality with sharpness only before seen at resolutions of 1,440 dpi or higher. Text as small as 2 pt. is perfectly legible (with High Definition mode).			
Writing Technology	4-/6-/8-channel piezoelectric inkjet system using VariaDot imaging technology; with one 636 nozzle variable droplet printhead per channel.			
Ink System	IJC357 UV-curable inks packed in quick-change, 2-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 available Roll Media Option for flexible media printing.			
Ink Configurations	Arizona 1340 XT printer: CMYK Arizona 1360 XT printer: CMYK + WW/V Arizona 1380 XT printer: CMYK + WW/V + cm			
RIGID MEDIA SUPPORT				
Maximum Vacuum Area	121.3" x 98.4" (308 cm x 250 cm)			
Maximum Print Area	Up to 121.7" x 98.8" (309 cm x 251 cm) (126.38" x 98.8" permitted w/121.26" vacuum)			
Maximum Thickness	2" (50.8 mm)			
Maximum Mass	7 lbs./ft. <sup>2</sup> (34 kg/m²)			
MEDIA				
Media Roll Specification	35.4" to 86.6" (90 cm to 220 cm); Up to 110 lbs. (50 kg; at any width). Maximum diameter: 9.45" (240 mm). Core: 3" (inside). Bias: Print-side in or print-side out. Most types (application dependent).			
Roll Media Print Width	Up to 86.2" (219 cm)			
GEOMETRIC ACCURACY	Measured Over		Maximum Error	
	RMO	Flatbed	RMO	Flatbed
Line Width	2,500 mm	2,190 mm	± 0.8 mm	± 0.6 mm
Line Length	3,080 mm	2,000 mm	± 1.0 mm	± 1.5 mm
Line Straightness/Width	2,500 mm	2,190 mm	0.7 mm	0.7 mm
Line Straightness/Length	3,080 mm	2,000 mm	0.7 mm	2.0 mm
Diagonal Error	3,080 x 2,500 mm	2,000 x 2,190 mm	1.0 mm	2.5 mm
INTERFACE AND SOFTWARE				
Connectivity	10/100/1000 Base-T			
Image Processing	ONYX Thrive 18 (421 configuration or greater recommended)			
OPERATING ENVIRONMENT				
Power Requirements	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.			
Compressed Air (Supplied by Customer)	Clean, dry, compressed air using a Coalescing Filter. Pressure Regulator set to 690 kPa (100 psi) and connects air regulator to 0.5" or 12 mm OD air tubing. Peak flow: 57 L/min. at 690 kPa (2 cfm at 100 psi).			
Temperature	64 °F to 86 °F (18 °C to 30 °C); Relative humidity: 30 to 70% (non-condensing).			
Ventilation	1,200 m³ per hour/700 cfm minimum (see Site Preparation Guide).			
Operating Altitude	9,020 ft. (2,750 m) maximum, however, some components specify a limit of 6,560 ft. (2,000 m).			
SIZE AND WEIGHT	Printer Only		Printer and Roll Media Option	
Dimensions	183.5" x 150.8" (4.66 m x 3.83 m)		183.5" x 162.2" (4.66 m x 4.12 m)	
Weight	3,660 lbs. (1,660 kg)		4,211 lbs. (1,910 kg)	
Table Height	34.6" (0.88 m)		N/A	
Overall Height	51.2" (1.3 m)		N/A	
SOFTWARE				
Arizona Xpert	Arizona Xpert offers a unique tool set to save time and money in the creation of complex, multilayered and duplex applications. The “Arizona Xpert Resale license” and the “Add Arizona Xpert Permission” are included with every Arizona 1300 printer and require ONYX Thrive to be installed.			



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