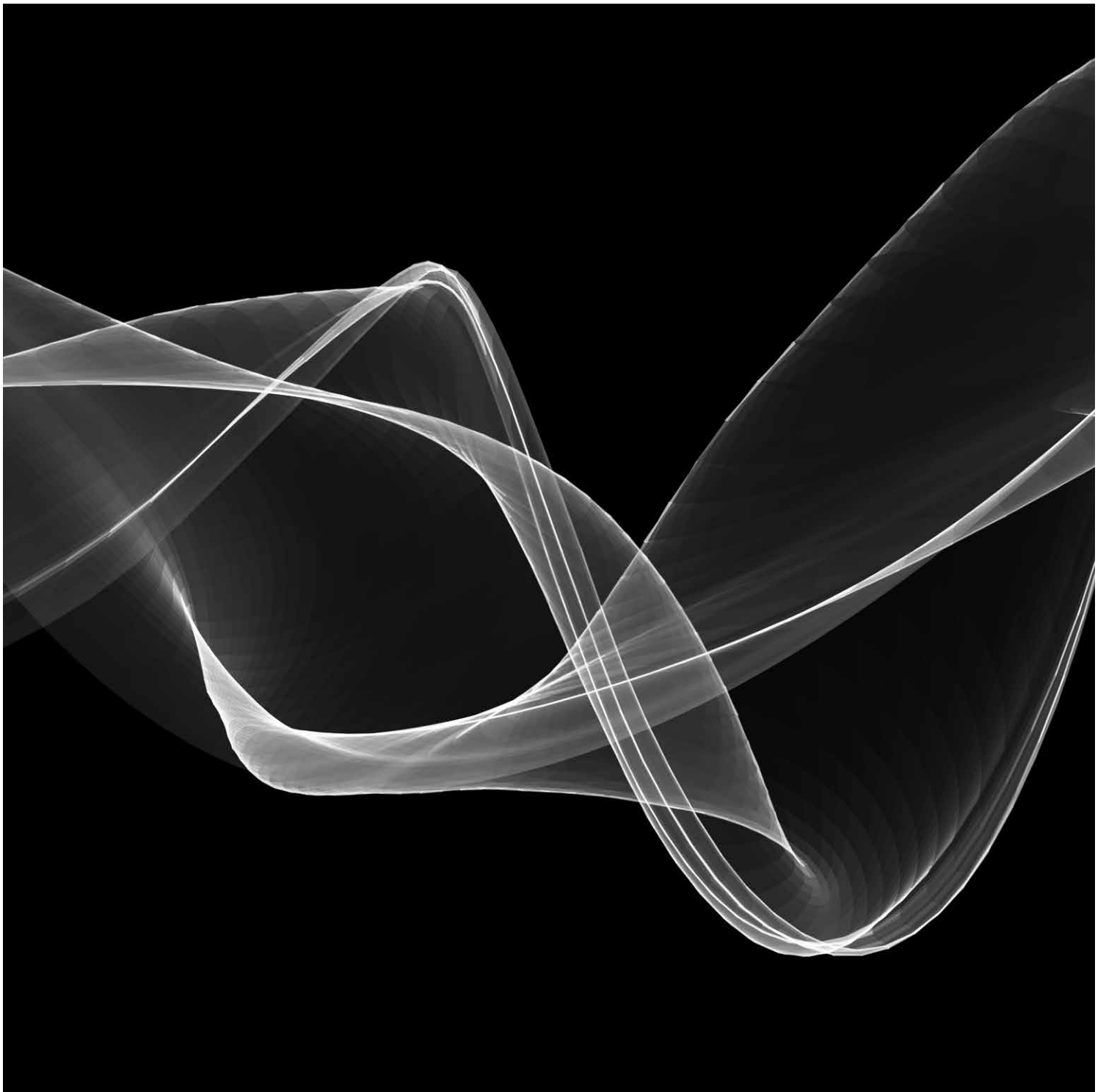


Canon



LIFT YOUR BUSINESS

Arizona 2300 series



** Images in graphic are simulated*

LET YOUR CREATIVITY FLOW

Explore the vast creativity, accuracy, and quality of the latest trailblazing flatbed printer in the Arizona series.

The Arizona 2300 series consists of true flatbed printers based on UV-curable ink. Designed to be quick, reliable, and low maintenance, the latest Arizona is manufactured to provide a premium/premier experience in print quality and versatility for both rigid and flexible media applications. Enjoy an impressive application range, instant-on capability, and adaptive technology that can help you further expand your business potential.

Design complex jobs only once, and then easily adapt and repeat to help save time on future projects. The Arizona 2300 series is designed to serve the versatile printing needs of professional print service providers.

The Arizona 2300 is rock-solid in its basic configuration and ready for upgrades, such as roll media and additional ink channels, including our white UV ink and clear varnish.

As a global leader in large format imaging systems, Canon has excelled in productivity, near instant operation, reliable performance, and amazing quality.

Since its launch in 2007, more than 8,000 Arizona printers in the Arizona family have been sold worldwide. Join the Arizona family and rely on instant-on printing and incredible, creative applications print after print and year after year.

PRODUCTIVE, READY TO GO

Instant-on printing

When a valuable rush job comes in, you want to be able to start it immediately. The instant-on capability of the Arizona 2300 series means there is virtually no warming up necessary, thanks to the UV-LED curing system. The Arizona 2300 series UV inks offer excellent adhesion over a broad media range and are optimized for LED curing and sensational print quality.

Game-changing FLXflow technology

The Arizona 2300 series is built around Arizona FLXflow (previously known as FLOW) technology that is changing the way we look at flatbed table architecture for easy-to-use, versatile, and productive printing. Drastically reduce costly taping via the Hold feature, which uses an impressive airflow technique that combines a zone-less, multi-origin table layout with easy-to-use pneumatic registration pins. This results in far less masking, easy and hassle-free job switching, and versatile, accurate, and productive multi-board or double-sided printing. FLXflow's new optional Float feature with Instant Switch functionality floats heavy substrates on a cushion of air, designed to help operators easily position boards into registration or remove them once printing is complete. The Instant Switch functionality allows operators to transition quickly between "hold" and "float" by using the foot pedal, for even easier media handling. With backwards compatibility, Arizona 2300 models with FLOW technology can be upgraded in the field with the FLXflow float option.

Speed and productivity



The Arizona 2300 series exemplifies speed and productivity. With an additional set of pneumatic registration pins than in previous models, you can now register substrates to either the left or right edge

of the table, or even both—enabling you to print 2-up or for easy and accurate double-sided printing. The Arizona 2300 series delivers sharp, high-key prints at impressive speeds of up to 1,001 ft²/hr (93 m²/hr) and high-density prints at up to 691 ft²/hr (64 m²/hr).

Uptime is key

The robust Arizona 2300 has been designed to stay productive. The Automated Maintenance System (AMS) offers hands-free printhead maintenance, restoring reliable nozzle functionality in seconds. This even applies to white, which traditionally has always been a difficult color to maintain for any manufacturer. In the Arizona 2300 series with white ink, the white ink system is just as reliable as the other colors.

Tailored to fit your workflow

With the Arizona 2300 series, you can purchase and add expansions at any time. Featuring four, six, or eight color channels designed to effortlessly create the hardware configuration you need by adding extra ink channels for an extensive color configuration with light inks, or adding 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 cm) wide, and weighing up to 110.2 pounds. This includes thin, heat-sensitive media. This upgrade also allows you to switch between rigid and flexible media jobs with minimal to no machine preparation, enabling unattended overnight printing.

With the Static Suppression Upgrade Kit, you can extend your media range even further to include hard plastic materials such as acrylic, polycarbonate, and styrene.

Flexible workflow integration

Make last-minute adjustments at the printer with Advanced Layout controls. Flexibility in positioning the boards based on board size helps in reducing the risk of wasting expensive substrates due to misaligned prints.

With ONYX Hub or OneVision you can analyze prints with data fed from your Arizona printer.

PRISMAelevate XL brings you to even greater heights with up to 4mm of printed elevation. Users can wow their customers by creating decorative layers using varnish to bring to life creative applications.

VERSATILE, READY FOR CREATIVITY

Print on rigid or flexible media

The impressive, wide range of applications offered by the Arizona 2300 series includes the ability to print on odd-shaped, heavy, smooth, and pre-cut media. Printing on unusual media or objects, such as canvas, wood, tiles, glass, or even on large images tiled over multiple large boards, is now a possibility. Arizona FLXflow technology not only helps to save time with fast changeover between applications and shorter setup times between jobs, it also offers expansive possibilities. Edge-to-edge printing can be achieved with ease for media or objects of up to 49.2 x 98.4 inches (1.25 x 2.5 meters) with the GTF models, and 98.4 x 121.3 inches (2.5 x 3.08 meters) with the XTF models. You can also print on media of up to 2 inches (50.8 mm) thick, opening up exciting new commercial opportunities.

Outstanding print quality comes standard

The Arizona 2300 series uses Canon's impressive VariaDot imaging technology, which is featured in all Arizona printers. This award-winning technology offers near-photorealistic print quality for reliable printing and boasts impressive quality even in production modes. It delivers fine details and smooth gradients in highlight areas, crisp colors in the mid tones, and incredible density in shadows and areas of solid color. The High-Key print mode and enhanced screening can give you outstanding results, print after print. Add light cyan and light magenta inks, or our white UV ink, or even varnish to your ink channels, to create even higher-quality photo and fine-art applications.

One of the key ingredients behind the exceptional print quality of the Arizona 2300 series is the precision from highly accurate ink drop placement. The high-resolution camera alignment system can provide 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. This effectively makes the whole of the flatbed table flat to within an impressive 50 microns.

A new dimension

Design and print jaw-dropping textured images with incredible ease. The Arizona 2300 series can be equipped with PRISMAelevate XL technology that opens up a wealth of capabilities for elevated and textured prints, to further set you apart from the competition.



SMART, READY FOR GROWTH

PRISMAguide XL functionality: Imagine. Print. Learn. Repeat.

Help grow your business with our workflows. What if your printer could learn from what you do? The Arizona 2300 series can do just that, with the self-learning capacity of the PRISMAguideXL functionality. Design your complex, multi-layered project once, and then print it over and over again. The printer learns the recipe for the project so the next time you want to print a similar application, simply reapply the recipe to another job.

Thanks to the self-learning capacity of the PRISMAguide XL functionality, you can create recipes for complex, multi-layered projects, even transparencies and multi-sided applications over multiple boards. By designing complex jobs just once, you can leverage your expertise and easily adapt and repeat designs to save time on future projects.

Easy, reliable, solid

The Arizona 2300 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 is also simple and efficient. Rigid media loading is fast and easy, thanks to the multi-origin table layout and pneumatic registration pins. Arizona FLXflow technology means there is practically no need for masking, so you can quickly switch between jobs. Fewer process steps mean fewer mistakes and greater productivity.

Future technology

The new generation of the award-winning flatbed Arizona printer enables cutting-edge features that will allow the Arizona to keep up with market leaders for years to come. We design our printers with open interfaces, so they can seamlessly be integrated into your workflow. Open interfaces also enable you to exchange job information with your Management Information System, or even to automate your printing processes further with robotized media handling.

We also work with leading software manufacturers to help maximize workflow automation in multi-brand production floors.

Low ink consumption

Utilizing tiny 6 to 30 picoliter drops, the high productivity of the Arizona 2300 series comes with extremely low ink consumption. Thanks to the VariaDot printhead technology from Canon, less than 0.74 milliliters per square foot (8 milliliters per square meter) is used on average, including maintenance.

Variadot Gen 3

Variadot Gen 3 offers additional choices between Classic and Plus print modes which are designed to optimize the balance between print quality and production time. This helps enable better quality at the same speed or the same quality at higher speeds, when compared to Variadot Gen 1 and 2. This is due to the third-generation VariaDot technology using advanced drop size selection techniques, to help secure further improved uniformity.

Arizona Automation Interface

Along with the capability to improve your workflow through unloading and loading time with FLXflow, you can further benefit through the optional Arizona Automation Interface, which provides support for integrating compatible robotic or other automation devices to fit your production workflow needs.



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UV-LED curing

The instant-on operation of the UV-LED curing system means the Arizona 2300 needs virtually no warming up period. Your printer is ready when you are. Operating with a standard voltage power supply reduces energy consumption. The Arizona UV-LED curing results in low energy consumption, and the longer lamp life also helps reduce costs.

UV-LED inks

The UV-LED inks are UL GREENGUARD Gold certified, which states that prints can be used in multiple environments including school, hotels, and hospitals.

Air filtration option

Arizona printers are tested to determine the airflow specifications for the print room. Which is why we also offer an Air Filtration Option.



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 available from 6 to 42 picoliters. The ability to vary the drop size to 6 picoliters helps to produce sharp images with smoother gradients and quartertones than our previous models. The ability to jet larger droplets up to 42 picoliters produces uniform colors. The result is near-photorealistic quality with text as small as 2 pt. (in High Definition mode).							
Print Speed	Print Modes	2340 GTF	2360 GTF	2380 GTF	Flatbed		RMO	
					ft²/h	m²/h	ft²/h	m²/h
	High-Key	x	x	x	958	89.0	732	68.0
	Express	x	x	x	620	57.6	491	45.6
	Production-Fast			x	473	44.0	383	35.6
	Production	x	x	x	395	36.7	332	30.8
	Quality	x	x	x	280	26.0	242	22.5
	Quality-Matte	x	x	x	204	19.0	179	16.6
	Quality-Density	x	x	x	156	14.5	137	12.7
	Quality-Layered (2)		x	x	140	13.0	121	11.2
	Quality-Layered (3)		x	x	93	8.7	80	7.5
	Fine Art	x	x	x	226	21.0	198	18.4
	High Definition	x	x	x	119	11.1	109	10.1
	Varnish (High Gloss)		x	x	~75	~7	N/A	N/A
	*Figures are engine print speed only and do not include provisions for image processing, transfer, or post production. Results may vary based on media types and/or applications.							
Ink System	IJC357 or IJC358 UV-curable inks packed in quick-change, 2- and 3-liter bags for Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta. White and IJC357 Varnish packed in 1-liter bags.							
System Architecture	True flatbed for rigid media printing with Arizona FLXflow technology: an impressive airflow technique combined with a zone-less, double-origin table layout, supported by eight easy-to-use pneumatic registration pins. In addition, the Roll Media Option is available for flexible media printing.							
Geometric Accuracy		Measured Over			Maximum Error			
		Flatbed		RMO	Flatbed		RMO	
	Line length (system width)	2,500 mm		2,190 mm	± 0.8 mm		± 0.6 mm	
	Line length (system height)	1,250 mm		2,000 mm	± 0.4 mm		± 1.5 mm	
	Line straightness (system width)	2,500 mm		2,190 mm	0.7 mm		0.7 mm	
	Line straightness (system height)	1,250 mm		2,000 mm	0.5 mm		2.0 mm	
	Diagonal Error (“squareness”)	1,250 x 2,500 mm		2,000 x 2,190 mm	1.0 mm		2.5 mm	
Rigid Media	Maximum area:	49.2 x 98.4 inches / 125 x 250 cm						
	Maximum thickness:	2.0 inches / 50.8 mm						
	Maximum mass:	7 lbs/ft² / 34 kg/m²						
Rigid Media Print Area	Up to: 49.6 x 98.8 inches / 126 x 251 cm (for edge-to-edge printing).							
Media Roll Specification	35.4 to 86.6 inches / 90 to 220 cm. Up to 110 lbs. / 50 kg (at any width). Maximum diameter: 9.45 inches / 240 mm. Core: 3 inches (inside). Bias: Print-side-in or print-side-out, most types (application dependent).							
Roll Media Print Width	Up to 86.2 inches / 219 cm.							
Image Processing	ONYX® Thrive™ 19 (421 configuration or greater recommended).							
Connectivity	10/100/1000 Base-T.							
PRISMAguide XL	PRISMAguide XL offers a unique tool set to help save time and money in the creation of multiple-up, multi-layered, duplex, or complex applications. To activate this functionality, the “PRISMAguide XL Resale license” is needed with the Arizona 2300 series printer. It also 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 100 psi (690 kPa) and connects air regulator to ½ inch or 12 mm OD air tubing. Peak flow: 4 cfm at 100 psi (113 l/min at 690 kPa).							
Environment	Temperature: 64-86 °F (18-30 °C). Relative humidity: 30 to 70% (non-condensing). Ventilation: 700 cfm / 1,200 m³ per hour / minimum (see Site Preparation Guide). Altitude: 9,020 feet (2,750 m) maximum; however, some components specify a limit of 6,560 feet (2,000 m).							
Size/Weight	Printer only: 196.9 x 78.7 inches (5.0 m x 2.0 m), 1,951 lbs. (885 kg). Printer + Roll Media Option: 196.9 x 90.2 inches (5.0 m x 2.29 m), 2,502 lbs. (1,135 kg). Table height: 34.6 inches (0.88 m) / Overall height: 51.2 inches (1.3 m).							



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