YOU WON'T BELIEVE YOUR EYES

**Arizona Series UV Flatbed Printers
Technology Backgrounder**

"NO COMPROMISE" PRINTING

Arizona® series printers offer breakthrough performance to deliver "no compromise" printing for a variety of applications. Each model uses UV curable inks and VariaDot® imaging technology to deliver near-photographic image quality. Each is built on a true flatbed architecture to print on almost any rigid media or object, and some feature a Roll Media Option for printing onto flexible materials. There are a number of significant technological advances included in the Arizona family of printers, and this backgrounder will explain their functionality and benefits.

Recognized for exceptional image quality

All Arizona series printers share the same award-winning image quality and robust architecture, reflecting our values of quality, reliability, productivity, and user-friendliness. Since the introduction of the Arizona 250 GT printer in 2006, Arizona series UV flatbed printers have to date earned over 50 industry awards from organizations throughout the world. These awards validate the quality and innovation built into every Arizona series printer.

VariaDot imaging technology

With their outstanding image quality, Arizona series printers give professional print service providers the ability to offer premium printing services. The realistic, photo-like image quality is due to VariaDot imaging technology. It uses variable-sized droplets to deliver finer details and smoother gradients in highlight areas, as

VariaDot imaging technology


Fixed Dot Printing

Variable Dot Printing
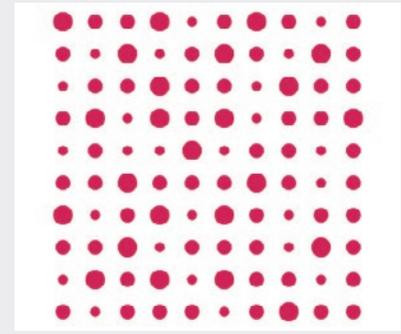
Variable Dots need not fill pixel space

well as crisp colors in the midtones and incredible density in shadows and areas of solid color.

VariaDot imaging technology creates these variable dots by delivering ink droplets that vary in size from 6 to 42 picoliters. The ability to vary the drop size to as little as six picoliters produces sharp images with smoother gradients and quartertones *by placing a small and varying amount of ink at every pixel location* without completely filling the pixel space with color. The ability to jet larger droplets up to 42 picoliters enables the printer to saturate the entire pixel space, resulting in the production of uniform, solid colors. The result is near-photographic image quality with sharpness only before seen at resolutions of 1,440 dpi or higher.

Every Arizona printer can repeatedly print perfectly registered, multicolor, six-point text. With this image quality, users can deliver stunning point-of-purchase materials, banners, exhibit graphics, displays, and more. In addition, shops can print these near-photographic images on a wide range of rigid or flexible material to meet diverse customer needs. Models equipped with High Definition print mode can produce perfect 2-point text and have the geometric accuracy and feature resolution needed to support technical and industrial applications with ease.

UP TO 50% IN INK SAVINGS
In addition to superior image quality, several of the Arizona series printers equipped with VariaDot imaging technology rely on only four colors of ink (CMYK) and use significantly less ink compared to six color (CMYKcm) printers with fixed-droplet inkjet technology. The combination of using variable-sized droplets to produce quartertones and fine image details using only four colors result in ink consumption up to 50 percent lower than fixed-droplet, six-color printers. These Arizona series printers use **less than 8 ml of ink for every square meter (0.74 ml per square foot)** of printing on average as measured by customers. This is a measured average over millions of printed square meters, not a theoretical concept. It even includes ink used for maintenance.

EVEN GREATER QUALITY
Despite the already near-photographic image quality possible with only four-color VariaDot technology, more recent models of the Arizona series now offer the ability to use light cyan and light magenta inks, taking image quality to exciting new levels. This addition directly translates into higher productivity print modes without sacrificing image quality.
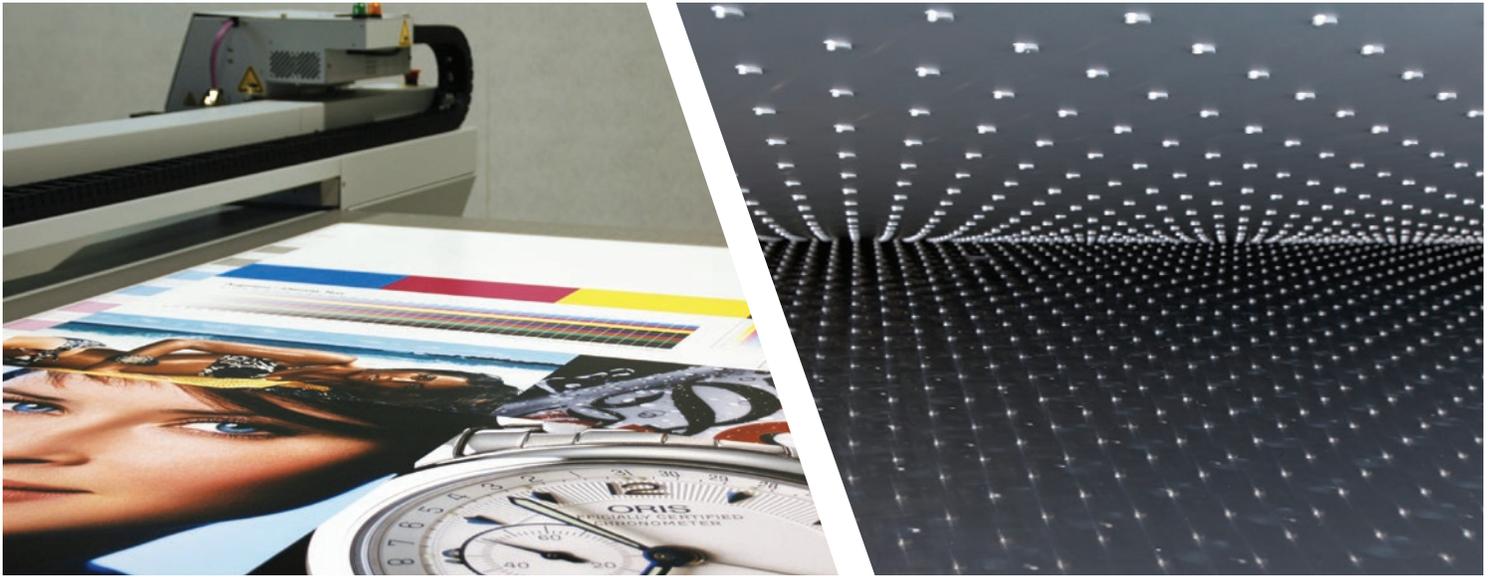
Optimized workflow

TRUE FLATBED

Each Arizona series printer is a true flatbed device that uses a vacuum system to hold media stationary on a flat surface, ensuring accurate registration—even on multiple imaging passes. It incorporates precise linear position encoders providing constant feedback to ensure consistent image quality and repeatability. The flatbed table architecture is perfectly repeatable and is so geometrically accurate that a diagonal line measured corner-to-corner across an XT- or XTS-sized table 98.4×120.1 inches (2.5 × 3.05 m)[1] will vary from theoretical length by no more than 0.039 inches (1 mm).

SYSTEM FLATNESS

Every Arizona series printer is built to meet a system flatness specification of only 0.0137 inches (350 microns) over the entire printing area. This means that the highest point in the entire flatbed system is no more than 350 microns from the lowest point. The extraordinary attention to detail to meet this crucial specification means that the printing gap—the distance between the printhead assembly and the media surface—is incredibly uniform. This constant print gap ensures sharp, uniform, density-constant images wherever they happen to be printed on the flatbed or Roll Media Option (RMO) and enables all that to happen bidirectionally for optimal throughput.

ACTIVE PIXEL PLACEMENT COMPENSATION FOR ASSURED IMAGE SHARPNESS

Within the 350-micron system flatness specification, the Arizona 1200 series, Arizona 1300 series, Arizona 2200 series, and Arizona 6100 series models use *active pixel placement compensation* to assure image sharpness, density, and uniformity, whether printed on the flatbed or the Roll Media Option. This is achieved by dynamically adjusting the location of individual pixels to account for localized variations in flatbed or platen height, resulting in a virtual flatness of only 50 microns.

REAL-WORLD SYSTEM ORIENTATION

Arizona series models print along the long axis of rigid media to optimize throughput—the fewer the number of printing passes over the media, the higher the average productivity. This becomes most evident when printing a 49.2×96.4-inch (125×250 cm) rigid board during which the printer is only required to print 49.2 linear inches (125 linear cm) when most competitive systems would be forced to print 96.4 linear inches (250 linear cm).

Included is a precision height adjustment feature for "no-guessing" height control of rigid media up to 2.0 inches (50.8 mm).[2] Edge-to-edge (full bleed) prints are easily produced by the pallet load, saving time and labor costs in finishing. Unlike pinch roller or belt-drive systems, there is no need to clean the drive system of excess ink between prints.

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[1] Arizona 1200 and Arizona 2200 series each measure 121.25 inches (3,080 mm)

Extra-large table enables nonstop productivity

The extra-large size of Arizona XT and XTS printer models support the full-bleed printing of single 8×10-foot images. Except for the High Flow Vacuum series, all Arizona XT and XTS print models have two independent vacuum systems that enable the printer to be used in a continuous imaging mode for rigid media up to 49.2×96.4 inches (125 × 250 cm, or a standard 4×8-foot board). Two rigid boards can be placed on different areas of the flatbed table. While one board is printing, the operator can change the other. Since the system never has to stop printing for a media change, no time is lost between prints, making significantly higher net productivity possible.

PRECISE PLACEMENT

The Arizona 1200, 1300, 2200, and 6100 series printers are designed for optimum productivity. To assist in quickly loading boards onto the table in perfect, repeatable registration, these series models feature a set of pneumatic registration pins for each of the 49.2×96.4-inch vacuum zones.

PRINT ZONE ENHANCEMENTS

The carriage assembly in the Arizona 1200, 2200, and 6100 series models include a UV lamp system in which the lamp reflectors also serve as active shutters. When in the open position, they accurately focus UV energy on the media surface to cure the ink. When in the closed position, they protect the operator and the printheads from excessive UV exposure. This design significantly reduces heat on the media surface and also eliminates the by-product of static discharge caused by brush-style shields used in competitive products, resulting in less static buildup on the media and fewer resulting printing artifacts.

The newer Arizona 1300 series models employ a new UV-LED curing system that provides an instant-on capability, thereby avoiding the warm-up time of conventional mercury vapor curing systems and doing away with mechanical shutters.

NOTHING TO HIDE

The open table design of Arizona series printers enables users to see the print as it develops. Surrounding the carriage is a sensored, aluminum carriage guard designed to protect the printer from media collisions by immediately stopping motion if disrupted. This also protects the user from injury should he or she inadvertently do the same.

USER-CUSTOMIZABLE VACUUM SYSTEM

With the exception of the High Flow Vacuum series, all Arizona printers feature multiple vacuum zones—the number of zones varies by model—that are matched to fit the media size. Controlled by valve handles located at the back of the printer, the vacuum zones can be turned on or off by the operator. A convenient vacuum pump foot switch enables hands-free activation of the vacuum enabling the operator to precisely place substrates on the table and hold them in place while activating the system.

² 1.89" (48 mm) on the Arizona 318 GL and the Arizona 365 GT printer
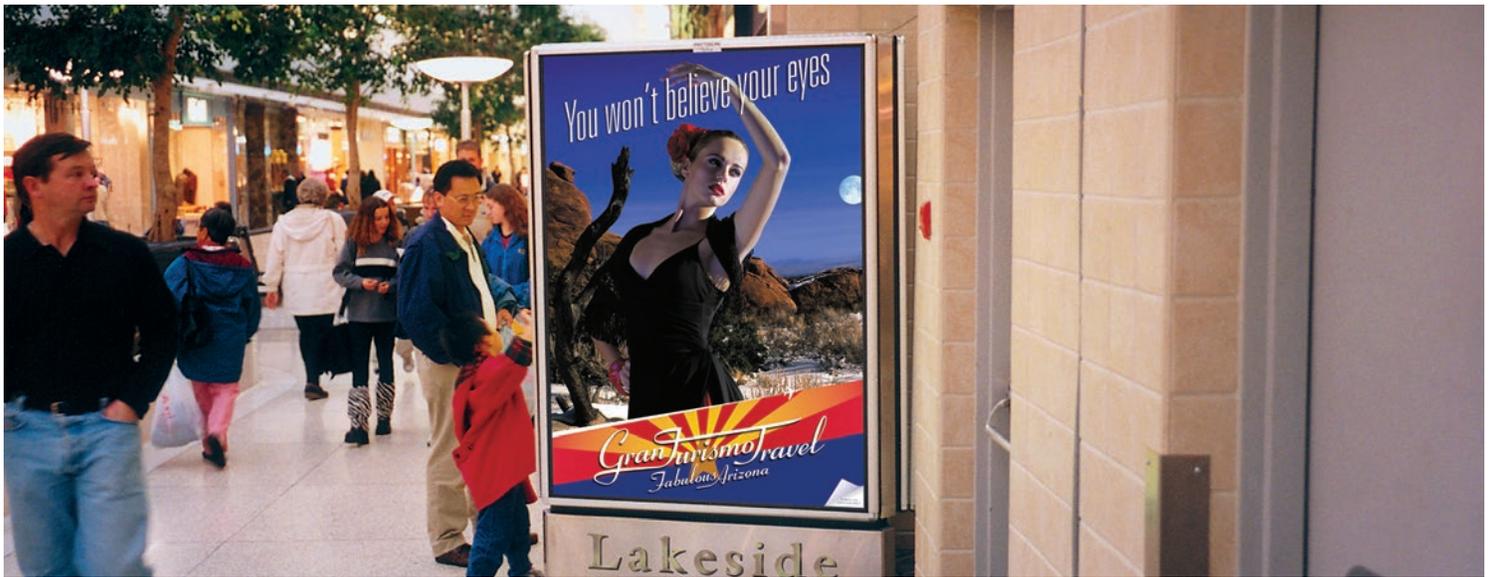
MULTIPLE ZONES ON ARIZONA 1200, 1300, 2200 AND ARIZONA 6100 SERIES MODELS*

There are six vacuum zones on Arizona GT series and seven on Arizona XT or XTS series models. These additional zones have been configured to match the majority of standard-sized graphic arts media to reduce or eliminate manual masking, thereby decreasing operator intervention and increasing productivity.
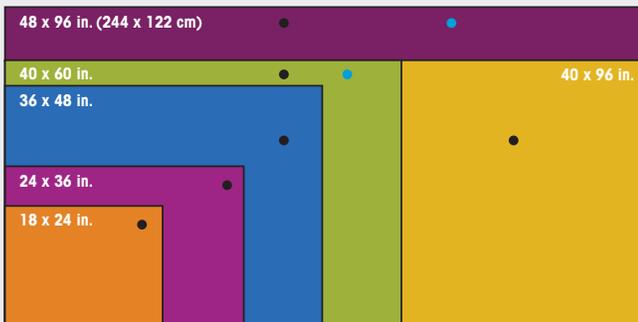
Arizona 1200, 1300, and 2200 GT series
U.S. overlay zones
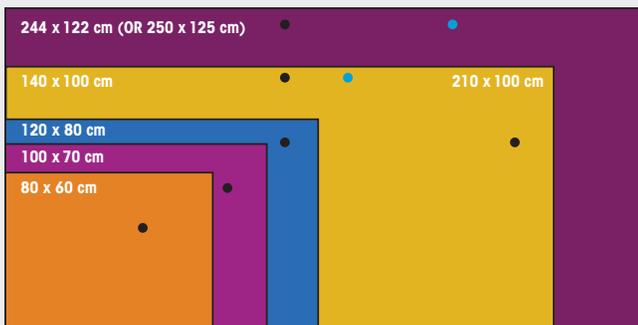
Arizona 1200, 1300, and 2200 GT series
European overlay zones
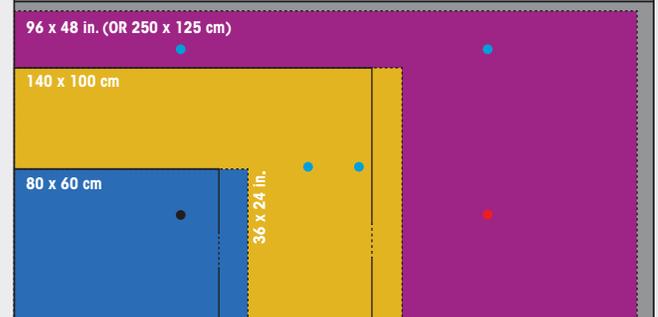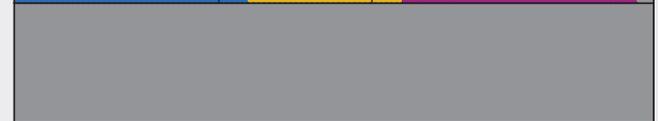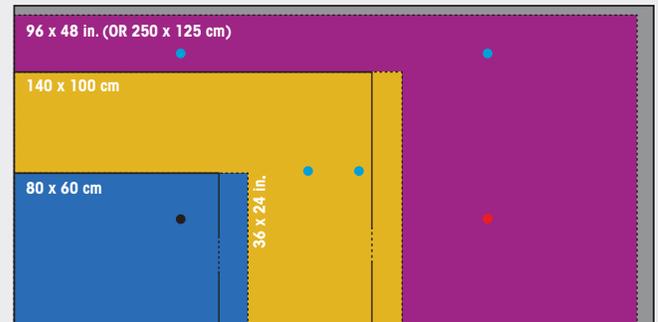
Arizona XT and XTS series
European and U.S. overlay zones

*Arizona 6100 High Flow Vacuum series has a single zone, making it the only XTS model that does not have multiple zones.

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BULK INK SYSTEM DESIGNED FOR PRODUCTIVITY

The UV curable ink is packaged in bulk ink bags, minimizing change-out. A quick-change ink system reduces waste, mess, and operator intervention. Intelligent ink bag sensing alerts the operator before the press runs out of ink and ensures the correct ink color is installed. The temperature-regulated ink system maintains consistent ink temperature and results in predictable, consistent viscosity for optimal printing, making ambient temperature control less critical and much less expensive.

Depending on the printer model series, Arizona inks are available in several sizes of collapsible bags and formulations.

MODEL SERIES	SIZE	INK FORMULATION
Arizona 318 GL	CMYK 800 ml; White 1 L	IJC255, 256, 257, 258
Arizona 365 GT	CMYK 800 ml or 2 L; White 1 L	IJC256
Arizona 1200	CMYK 800 ml or 2 L; cm 2 L; White or Varnish 1 L	IJC257, 258
Arizona 1300	CMYK 2 L; cm 2 L; White or Varnish 1 L	IJC357
Arizona 2200	CMYK 800 ml, 2 L, or 3 L; cm 2 L or 3 L; White or Varnish 1 L	IJC257, 258
Arizona 6100	CMYKcm 3 L; White 2 L	IJC261, 262

COMPACT FOOTPRINT

The efficient footprint of Arizona printers takes less room than competitive rigid-capable, roll-based units that require space on each side of the printer for media handling.

Roll Media Option

The Roll Media Option expands the functionality of the majority of Arizona series printers and increases opportunities for users by enabling roll-based printing of flexible media to create banners, point-of-sale displays, backlit graphics, paper-based posters, and fabric panels. The ability to exactly match print quality across a wide range of media gives users an edge in the competitive print-for-pay market when bidding on complex print campaigns. The Roll Media Option can be shipped with new orders, or it can be added in the field. All existing Arizona series units, except the Arizona 6100 series, can be upgraded without hardware modification.

CONTINUOUS PRODUCTION, ROLL TO RIGID AND BACK AGAIN

Unlike most competitive systems, the rigid and roll printing areas do not interfere with each other. The two printing surfaces can be used sequentially. Once a rigid print finishes, the printhead assembly is positioned over the Roll Media Option and begins printing on flexible media. Meanwhile, the rigid material is swapped out, and a new board is placed on the vacuum table and prepared for printing. Once the flexible media prints, the printhead assembly moves back to the table to resume printing on the rigid media. There is absolutely no downtime to reconfigure the system to change from one print mode to the other.

As an added benefit of this architectural approach, the Arizona series employs a patented technology in which the gantry assembly is actively moved forward or backward after each flexible media advance, making micro-corrections to compensate for media position. The printer precisely measures flexible media advance and then actively corrects for positional errors *before printing each and every swath* to ensure flexible media imaging of the highest possible quality. This technique is so effective that most Arizona series customers leave their printers running completely unattended, even overnight.

Patented and unique to Arizona series printers, this technology results in the highest quality roll media printing yet seen in a UV curable inkjet system. It greatly reduces the number of wasted prints caused by media advance errors.

The Roll Media Option is a touch-free system — at no point does any part of the printer or the transport contact the printing surface of the media. Unlike roll-based systems that use pinch rollers, this feature enables customers to print on media sensitive to mechanical marking without marring the printing surface.

The Roll Media Option can support roll-based stock from 35.4 to 86.6 inches (0.9 to 2.2 meters) wide and either print side in or print side out. Maximum print width is 86.2 inches (2.19 meters). The maximum roll weight is 110 lbs. (50 kg). A cutting guide slot is included to enable the user to cut media in a perfectly straight manner while viewing the finished print.

Included is a wind/rewind foot panel to control roll-to-roll movement. This feature is used to advance and rewind media during loading and unloading and also enables the operator to view any part of the roll before cutting and dismounting.

White Ink

Arizona series printers can be equipped with White Ink, which enables underprinting for non-white media or objects, overprinting for backlit applications on transparent media, and/or printing white as a spot color.

Underprinting White Ink provides a base for nonwhite surfaces upon which color can be added, giving users the ability to expand their range of offerings to include specialty applications.

Overprinting White Ink provides a diffusion layer for backlit applications that will be viewed from the unprinted side, enabling users to produce high-quality backlit images for point-of-purchase applications. The ability to print White Ink as a spot color also highlights white features of images for greater effect.

White Ink layer options

The white ink implementation in Arizona series printers enables users to specify how white ink is applied: below (printed first), above (printed last), or in-between colors. Users can also decide to use white as a spot color or as a flood layer. Most importantly, users can decide to print multiple layers of white/color simultaneously on the flatbed or the Roll Media Option using one, two,

WHITE INK LAYER OPTIONS				
APPLICATION	BOTTOM	MIDDLE	TOP	NOTES
Backlit first surface (printing on the back side of clear media)	White	Color	Color	Color layers contain same data
Backlit second surface (printing on the back side of clear media)	Reverse printed color	Reverse printed color	White	
Day-Night (first or second surface)	Color	White	Color	Color data is printed reverse or right-reading
Opaque	White	White	Color	3 layers
Opaque	White		Color	2 layers

or three layers of ink in total. This gives users the flexibility to create a wide range of applications on any rigid or flexible material. The table above lists some specific examples of the ways that a white ink workflow can be applied.

BACKLIT APPLICATION

The backlit application involves printing onto a transparent or translucent material and mounting the finished piece into a lightbox or a location where illumination from behind is possible. In the backlit application, White Ink is intended to provide a light-diffusing layer. This application is possible using either two or three layers of ink: one layer of White Ink printed above a layer of colored inks (viewed from the unprinted side) or one layer of White Ink printed above two layers of colored inks for extra density (viewed from the unprinted side). It is rarely necessary to print two layers of White Ink as a light-diffusing layer, but some backlit applications demand extra color density, so the ability to print multiple color layers with the white diffusing layer is important.

DAY-NIGHT APPLICATION

Similar to backlit, the day-night application also involves printing onto a transparent material. A day-night print can be viewed either frontlit or backlit. This is achieved by printing color data on two separate layers with a white flood fill printed as a diffusing layer between them. The ability of the Arizona series printer to lay down all three layers simultaneously during printing means this application can be created using the flatbed table or Roll Media Option. This type of image can be backlit or frontlit and enables users to

turn lightboxes off during daylight hours for reduced energy consumption—a great ecological benefit for end users.

Opaque application

The opaque application involves printing CMYK data onto nonwhite media or objects. For this application, White Ink is required both to enable the printer to produce images where white forms part of the image content, as well as to act as a base for the CMYK color set.

For White Ink-enabled printers, the Job Control module of the software has tools that enable users to activate a graphical representation of the print layers, to verify the layer order.

DAY/NIGHT APPLICATION
Print color data on two separate layers onto transparent media with a white diffusing layer in the middle.

TOP:
FOUR-COLOR IMAGE

MIDDLE:
WHITE FLOOD FILL

BOTTOM:
FOUR-COLOR IMAGE

TRANSPARENT MEDIA

Up to eight independent ink channels

Arizona 1200, 1300, and 2200 series printers support up to eight independent ink channels. The Arizona 2200 series is available in two different ink channel configurations—either six or eight channels—while the Arizona 1200 and 1300 series offers the same, plus a four-channel variation. The Arizona 6100 series is available in two different ink channel configurations—either six or seven channels. The entry-level Arizona 318 GL is available preconfigured from the factory as either 4-color (CMYK) or 4-color plus white. The Arizona 365 GT is available preconfigured as 4-color plus white.

With the exception of the Arizona 6100 series, on both the six- and eight-channel models, the extra two or four channels can be configured in different ways that offer flexibility to meet the demands of various jobs:

- **Varnish + White:** With White Ink, users can produce exceptional quality prints on a variety of nonwhite substrates—including backlit prints—that can command premium prices. Varnish can be used as a "spot" (targeted) or "flood" (overall) decorative element for attention-getting results at premium prices.

- **Double-White:** Alternatively, when not required for use in printing varnish, customers can use this as an additional White Ink channel to provide double the opacity in a single printing pass for higher productivity when printing White Ink jobs.

Customers can use these two channels in whichever configuration best suits their needs, changing from varnish + white to double-white (and vice versa) on demand.

On six or eight channel Arizona 1200 and Arizona 2200 printers and Arizona 6100 series printer models, two channels are used to enhance print quality beyond the award-winning level already available in every Arizona printer. With the Arizona 1260, 1280, 2260, and 2280 models, the addition of extra cyan and magenta provides greater nozzle capacity. Called CM² (CM squared), this additional nozzle capacity offers production print modes that rival the slower quality-oriented modes in terms of sharpness, uniformity, and smoothness. In short, CM² printing offers higher quality at faster speeds.

The Arizona 1260, 1280, 1380, 2260, 2280, and 6100 series model printers can also utilize light cyan and light magenta inks. This is standard in the Arizona 6100 series and offered as an alternative to CM² configurations in the Arizona 1260, Arizona 1280 or 1380, Arizona 2260, and Arizona 2280 models. Similar to the CM² configuration, the addition of light color inks in these Arizona printers provides for even greater image quality at the high speeds attainable with those models.

PRINTER BASICS

The Arizona series includes the following models:

6100 SERIES

Arizona 6160 XTS printer	Arizona 6170 XTS printer	Arizona 6160 HFV printer	Arizona 6170 HFV printer

2200 SERIES

Arizona 2260 XT printer	Arizona 2260 GT printer	Arizona 2280 XT printer	Arizona 2280 GT printer

1300 SERIES

Arizona 1380 XT printer	Arizona 1380 GT printer
Arizona 1360 XT printer	Arizona 1360 GT printer
Arizona 1340 XT printer	Arizona 1340 GT printer

1200 SERIES
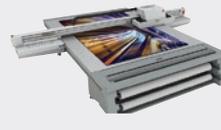
Arizona 1280 XT printer	Arizona 1280 GT printer
Arizona 1260 XT printer	Arizona 1260 GT printer
Arizona 1240 XT printer	Arizona 1240 GT printer
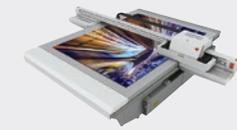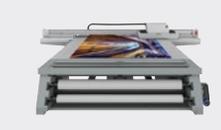
300 SERIES

Arizona 318 GL printer	Arizona 365 GT printer

EXTRA-LARGE TABLE, HIGH-VOLUME PRODUCTION		STANDARD AND EXTRA-LARGE TABLE, HIGH-VOLUME PRODUCTION			

AVAILABLE MODELS

Arizona 6160 XTS printer —with 6 ink channels		Arizona 2260 GT printer —with 6 ink channels		Arizona 1340 GT printer —with 4 ink channels, upgradable to 6	
Arizona 6160 HFV printer —with 6 ink channels		Arizona 2260 XT printer —with 6 ink channels		Arizona 1340 XT printer —with 4 ink channels, upgradable to 6	
Arizona 6170 XTS printer —with 7 ink channels		Arizona 2280 GT printer —with 8 ink channels		Arizona 1360 GT printer —with 6 ink channels, upgradable to 8	
Arizona 6170 HFV printer —with 7 ink channels		Arizona 2280 XT printer —with 8 ink channels		Arizona 1360 XT printer —with 6 ink channels, upgradable to 8	
				Arizona 1380 GT printer —with 8 ink channels	
				Arizona 1380 XT printer —with 8 ink channels	

RIGID MEDIA SIZE

98.4"×120" (XTS)	98.4"×126" (HFV)	49"×98.4" (GT)	98.4"×121.3" (XT)	49.2" x 98.4" (GT)	98.4" x 121.3" (XT)

RIGID MEDIA THICKNESS

2" (XTS)	1" (HFV)	2"		2"	

VARIADOT PRINTING TECHNOLOGY

6 to 42 picoliter droplets, 636 nozzles, six printheads/color		6 to 42 picoliter droplets, 636 nozzles, two printheads/color, dual row design		6 to 42 picoliter droplets, 636 nozzles, two printheads/color, single row design	

WHITE INK CAPABILITY

Standard on Arizona 6170 models		Available factory option on Arizona 2260 GT/XT and standard on Arizona 2280 GT/XT		Standard on Arizona 1360 GT/XT and Arizona 1380 GT/XT	

VARNISH CAPABILITY

Not available		Available factory option on Arizona 2260 GT/XT, and standard on Arizona 2280 GT/XT		Standard on Arizona 1360 GT/XT and Arizona 1380 GT/XT	

CM OR CM^2 CAPABILITY

Light cyan and light magenta standard on all 6100 models		Available factory option of CM^2 or light cyan and light magenta on Arizona 2260 GT/XT and Arizona 2280 GT/XT		CM^2 not available. Light cyan and light magenta standard on 1380 GT/XT.	

PRINT MEDIA AND SPEEDS*   *Quoted print speeds are based on print time from first to last pixel printed utilizing maximum image area. Specifications subject to change without notice.

EXPRESS PRINT SPEED

1,668 ft.^{2}/hr.		620 ft.^{2}/hr. (GT)	691 ft.^{2}/hr. (XT)	368.1 ft.^{2}/hr. (GT) (High key 547.9 ft.^{2}/hr.)	380 ft.^{2}/hr. (XT) (High key 568.3 ft.^{2}/hr.)

PRODUCTION—SQUARED (CM^2)

Not available		473 ft.^{2}/hr. (GT)	514 ft.^{2}/hr. (XT)	Not available	

PRODUCTION PRINT SPEED

1,076 ft.^{2}/hr.		395 ft.^{2}/hr., except CM^2 configurations (GT) 427 ft.^{2}/hr., except CM^2 configurations (XT)		223.9 ft.^{2}/hr. (GT)	229.3 ft.^{2}/hr. (XT)

QUALITY—SQUARED (CM^2)

Not available		Not available		Not available	

QUALITY PRINT SPEED

775 ft.^{2}/hr.		280 ft.^{2}/hr. (GT)	297 ft.^{2}/hr. (XT)	157.2 ft.^{2}/hr. (GT)	161.5 ft.^{2}/hr. (XT)

FINE ART PRINT SPEED

Not available		226 ft.^{2}/hr. (GT)	235 ft.^{2}/hr. (XT)	128.1 ft.^{2}/hr. (GT)	125.9 ft.^{2}/hr. (XT)

HIGH DEFINITION PRINT SPEED

Not available		119 ft.^{2}/hr. (GT)	131 ft.^{2}/hr. (XT)	66.7 ft.^{2}/hr. (GT)	68.9 ft.^{2}/hr. (XT)

UV CURING TECHNOLOGY

497 mm, high output/low heat UV arc lamp with integrated shutter/reflector		171 mm, high output/low heat UV arc lamp with integrated shutter/reflector		LED	

ROLL MEDIA

Not available		Available option, up to 86.6"		Available option, up to 86.6"	

STANDARD AND EXTRA-LARGE TABLE, MID-VOLUME PRODUCTION		STANDARD TABLE, MID-VOLUME PRODUCTION	STANDARD TABLE, LOW-VOLUME PRODUCTION
AVAILABLE MODELS			
Arizona 1240 GT printer —with 4 ink channels, upgradeable to 6		Arizona 365 GT printer —with 5 ink channels	Arizona 318 GL printer —with 4 or 5 ink channels
Arizona 1240 XT printer —with 4 ink channels, upgradeable to 6			
Arizona 1260 GT printer —with 6 ink channels, upgradeable to 8			
Arizona 1260 XT printer —with 6 ink channels, upgradeable to 8			
Arizona 1280 GT printer —with 8 ink channels			
Arizona 1280 XT printer —with 8 ink channels			
RIGID MEDIA SIZE			
49"×98.4" (GT)	98.4"×121.3" (XT)	49"×98.4"	49"×98.4"
RIGID MEDIA THICKNESS			
2"		1.89"	1.89"
VARIADOT PRINTING TECHNOLOGY			
6 to 42 picoliter droplets, 636 nozzles, one printhead/channel, single row design		6 to 42 picoliter droplets, 318 nozzles, two printheads/channel, single row design	6 to 42 picoliter droplets, 318 nozzles, one printhead/channel, single row design
WHITE INK CAPABILITY			
Available factory option on Arizona 1260 GT/XT and standard on Arizona 1280 GT/XT		Standard on Arizona 365 GT	Available factory option
VARNISH CAPABILITY			
Available factory option on Arizona 1260 GT/XT and standard on Arizona 1280 GT/XT		Not available	Not available
CM OR CM² CAPABILITY			
Available factory option of CM² or light cyan and light magenta on Arizona 1260 GT/XT and 1280 GT/XT		Not available	Not available
PRINT MEDIA AND SPEEDS*	*Quoted print speeds are based on print time from first to last pixel printed utilizing maximum image area. Specifications subject to change without notice.		
EXPRESS PRINT SPEED			
362 ft.²/hr. (GT)	377 ft.²/hr. (XT)	377 ft.²/hr.	194 ft.²/hr.
PRODUCTION—SQUARED (CM²)			
270 ft.²/hr., 1260 GT and 1280 GT only 280 ft.²/hr., 1260 XT and 1280 XT only		Not available	Not available
PRODUCTION PRINT SPEED			
220 ft.²/hr., except CM² configurations	227 ft.²/hr., except CM² configurations	165 ft.²/hr.	90 ft.²/hr.
QUALITY—SQUARED (CM²)			
Not available		Not available	Not available
QUALITY PRINT SPEED			
153 ft.²/hr. (GT)	157 ft.²/hr. (XT)	165 ft.²/hr.	90 ft.²/hr.
FINE ART PRINT SPEED			
125 ft.²/hr. (GT)	128 ft.²/hr. (XT)	135 ft.²/hr.	68 ft.²/hr.
HIGH DEFINITION PRINT SPEED			
64 ft.²/hr. (GT)	66 ft.²/hr. (XT)	71 ft.²/hr.	Not available
UV CURING TECHNOLOGY			
110 mm, high output/low heat UV arc lamp with integrated shutter/reflector		110 mm, high output/low heat UV arc lamp with integrated shutter/reflector	110 mm, high output/low heat UV arc lamp with integrated shutter/reflector
UV CURING TECHNOLOGY			
Available option, up to 86.6"		Available option, up to 86.6"	Available option, up to 86.6"

UPGRADE PATH

Arizona 1200 and 1300 series printers include six different UV flatbed models featuring four, six, or eight independent ink channels in two different flatbed sizes. The Arizona 6100 series printers include two models featuring six or seven independent ink channels. An upgrade path is available to ensure that the investment in an Arizona 1200 series printer, Arizona 1300 series printer, or Arizona 6100 series printer is protected from obsolescence.

Arizona 1240, 1340, and 318 GL "nonwhite" printer models include CMYK ink channels only for shops that do not initially need the capacity for Varnish or White Ink printing. Arizona 1260 and Arizona 2260 models can be configured with CMYK plus either CM² or light cyan/light magenta (cm) or white/varnish or double-white. The Arizona 1360 can be configured with white/varnish or double-white and the Arizona 1380 further adds the ability to use light cyan/light magenta. Similarly, the Arizona 6160 XTS supports CMYKcm with no White Ink channel. All these Arizona printer models are designed to grow with a print service provider's business. With the exception of the Arizona 2200 series, owners can upgrade at any time to add more application versatility and improve productivity.

THE FOLLOWING UPGRADES ARE AVAILABLE[1]:

- Arizona 318 GL printer to Arizona 318 GL printer with White Ink Option adds White capability

- Arizona 1240 printer to Arizona 1260 printer adds CM² or cm or Varnish + White or Double-White capability

- Arizona 1260 printer to Arizona 1280 printer adds additional channel capability supporting either CMYK+CM² or CMYKcm plus W/W or W/V

- Arizona 1340 printer to Arizona 1360 printer adds Varnish + White or Double-White capability

- Arizona 1360 printer to Arizona 1380 printer adds additional channel capability supporting CMYKcm plus W/W or W/V

- Arizona 6160 XTS printer to Arizona 6170 XTS printer adds White capability

- Arizona 6160 HFV printer to Arizona 6170 HFV printer adds White capability

[1] Upgrades apply only to ink configurations, not table sizes. Arizona GT printer tables cannot be upgraded to Arizona XT printer tables.

IDEAL FOR PRINT-AND-CUT APPLICATIONS

Because of the stationary vacuum table and generous media thickness allowance of all Arizona series printers, print-and-cut jobs have become key applications for print service providers. Paired with a digital cutting system, such as a ProCut™ cutter, the two can be used to produce point-of-sale structural displays, exhibit furniture, packaging prototypes and more.

TOUCHSTONE SOFTWARE

Now you can add a tactile experience to your Arizona UV curable printers' capabilities with Touchstone software. Compatible with the Arizona 1200, 1300, and 2200 series UV curable flatbed printers and ONYX Thrive™ software, Touchstone makes both the file creation process and the printing exceptionally easy.

The workflow consists of both a designer's and print provider's component. The designer's component consists of free Adobe CC extensions for Photoshop and Illustrator that designers can utilize in an environment they are already know. To preview their work, the Touchstone extensions also include a viewer that renders the file in 3D, complete with lighting effects. Once happy with the file, the designer saves it as a PDF and sends it to the print provider.

MEET NEARLY ANY PRINTING NEED

If a job can be printed digitally, it most likely can be produced on an Arizona series printer. With the ability to print on a wide variety of media and objects, print service providers can capture revenue from applications ranging from standard sign and display (POP, retail signage, backlit signs) to specialty applications like dimensional printing or industrial applications where the decorated substrate is not meant primarily for display purposes (e.g. package prototyping, short-run packaging, wallpaper and interior decoration, and consumer product decoration).

Arizona Series Awards
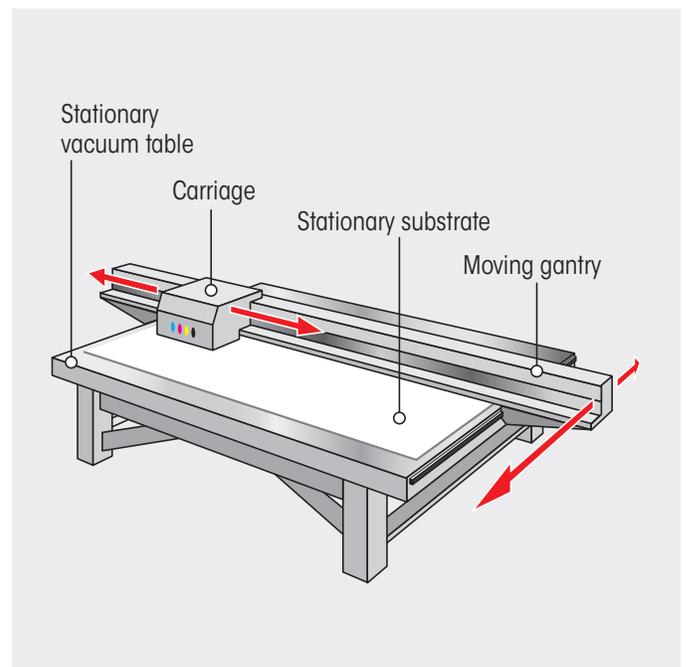
Partners Certifications

WHY CANON SOLUTIONS AMERICA.

Canon Solutions America recommends forward-thinking strategies to help achieve the highest levels of information management efficiency for your unique business needs. Using superior technology and innovative services, we then design, implement, and track solutions that help improve information flow throughout your organization while considering the environment, helping to result in greater productivity and reduced costs.

As a company that is dedicated to your needs, we support our solutions with highly skilled professionals and advanced diagnostic systems to maintain peak performance. And with ongoing consultation, we can further your document management capabilities to help ensure the highest level of satisfaction and productivity.

Large Format Solutions
100 Park Blvd., Itasca, IL 60143

1-800-842-4534 | 1-630-250-6551
us.info@csa.canon.com   CSA.CANON.COM