

TRUE FLATBED PRINTERS FOR TRUE PROFESSIONALS

Meet the Arizona family



Canon

EXCEPTIONAL IMAGE QUALITY ON RIGID AND FLEXIBLE MEDIA

Take your Large Format Graphics capabilities to the next level with the Arizona series. These UV curable true flatbed printers allow you to produce flawless photo-realistic prints on virtually any media imaginable. With a completely renewed range of models to choose from, the Arizona series offer fantastic opportunities to boost your Large Format Graphics revenue.

World-renowned

Ever since its inception, the Arizona has been widely acclaimed. The original Arizona 250 GT was honoured with the DPI Vision Award, given to the digital imaging product development most likely to have a profound and positive effect on the industry. Since then, the series has gone from strength to strength, collecting more than 35 industry awards for its exceptional image quality, versatility and productivity. The Arizona series are truly the Best Selling Flatbed printers in the market in the last decade, with more than 7,500 units installed worldwide.

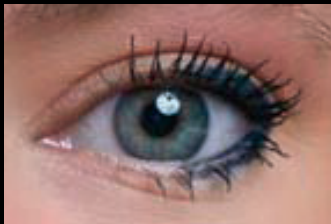
VariaDot imaging technology

With their outstanding image quality, Arizona series printers give you the ability to offer premium printing services. The photo-realistic image quality is due to VariaDot imaging technology. It uses variable-sized droplets and delivers finer details and smoother gradients in highlight areas, as well as crisp colours in the mid-tones and incredible density in shadows and solid colour areas. Images look far superior to those printed on a conventional, fixed-droplet, 6-color inkjet printer, while consuming up to 50 percent less ink.

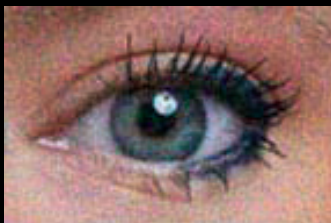
4 or 6 colour VariaDot

4 colour VariaDot Imaging Technology gives you photo-realistic image quality perfect for interior décor and sign- & display applications, while enjoying excellent ink economy. For even higher quality photo- and fine art applications optional light cyan and light magenta inks are available in the Arizona 1300, 2300 and 6100 series printers.





Variable Dot Printing



Fixed Dot Printing

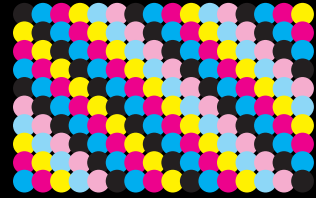
Less is more

VariaDot imaging technology enables a printhead to produce droplets in different sizes instead of a typical single large droplet. It means images always appear less grainy than those printed on a six colour, fixed dot printer - regardless of the resolution. Varying the droplet size to as little as 6 picolitres also produces sharper images with smoother gradients and quartertones.

Conversely, the ability to create bigger droplets produces dense, solid colours. The net result is photo-realistic image quality with sharpness usually expected at resolutions of 1,440 dpi or higher.

Every Arizona printer can print perfectly registered, four-colour text lines with six-point font size and models equipped with High Definition print mode can even produce perfect text lines with two-point font size all day long.

In addition, the Arizona 135 GT, 1300, 2300 and 6100 series printers offer Active Pixel Placement Compensation. The flatbed table is mapped to



Fixed six-colour printing



4 colour VariaDot Imaging Technology



6 colour VariaDot Imaging Technology

determine system flatness and actively adjusts pixel placement to guarantee uniform, extra-sharp printing over the entire flatbed table.

On the Roll Media Option (RMO) the mapping is done dynamically, during printing. This is to compensate for heating up of the platen by the UV lamps and to guarantee optimum print quality on the RMO.

Reduce ink costs by up to 50 percent

Because VariaDot imaging technology can jet exactly the right size droplet, it uses up to 50 percent less ink than fixed-droplet, six colour printers. For every square metre of printing this equates to less than 8 ml of ink using 4 colour VariaDot imaging technology or less than 10 ml of ink using 6 colour VariaDot imaging technology – cost savings that really count in today's business climate.



PRODUCE STUNNING POINT-OF-SALES MATERIALS, WALL PANELS FOR INTERIOR DÉCOR, BACKLIT IMAGES, BANNERS, EXHIBITION GRAPHICS, DISPLAYS, INDUSTRIAL APPLICATIONS AND MORE.



PRECISION PRINTING WITHOUT COMPROMISE

An array of powerful features and innovative technology ensures that the Arizona series is the ideal true flatbed printer for a huge diversity of rigid and flexible media applications.

VariaDot imaging technology

- True greyscale: 6-30 picolitre droplets for every possible image element
- Exceptional photo-realistic print quality
- Finer details, smoother gradients plus dense and uniform, solid colours
- Active pixel placement compensation to guarantee uniform, razor-sharp printing

Roll Media Option

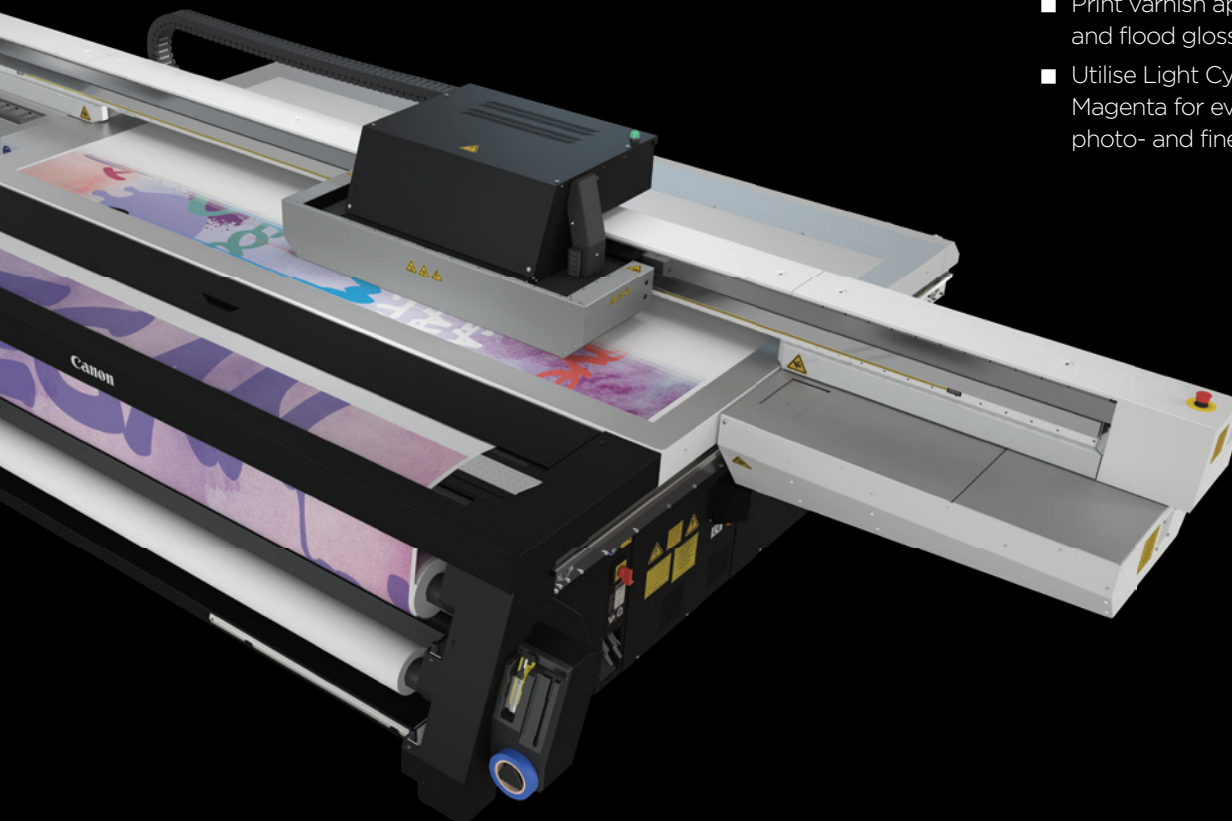
- Available as a factory order or field-upgrade on Arizona 135 GT, 1300 and 2300 series.
- Supports flexible roll media up to 2.2m wide
- Proven reliability for unattended overnight operation

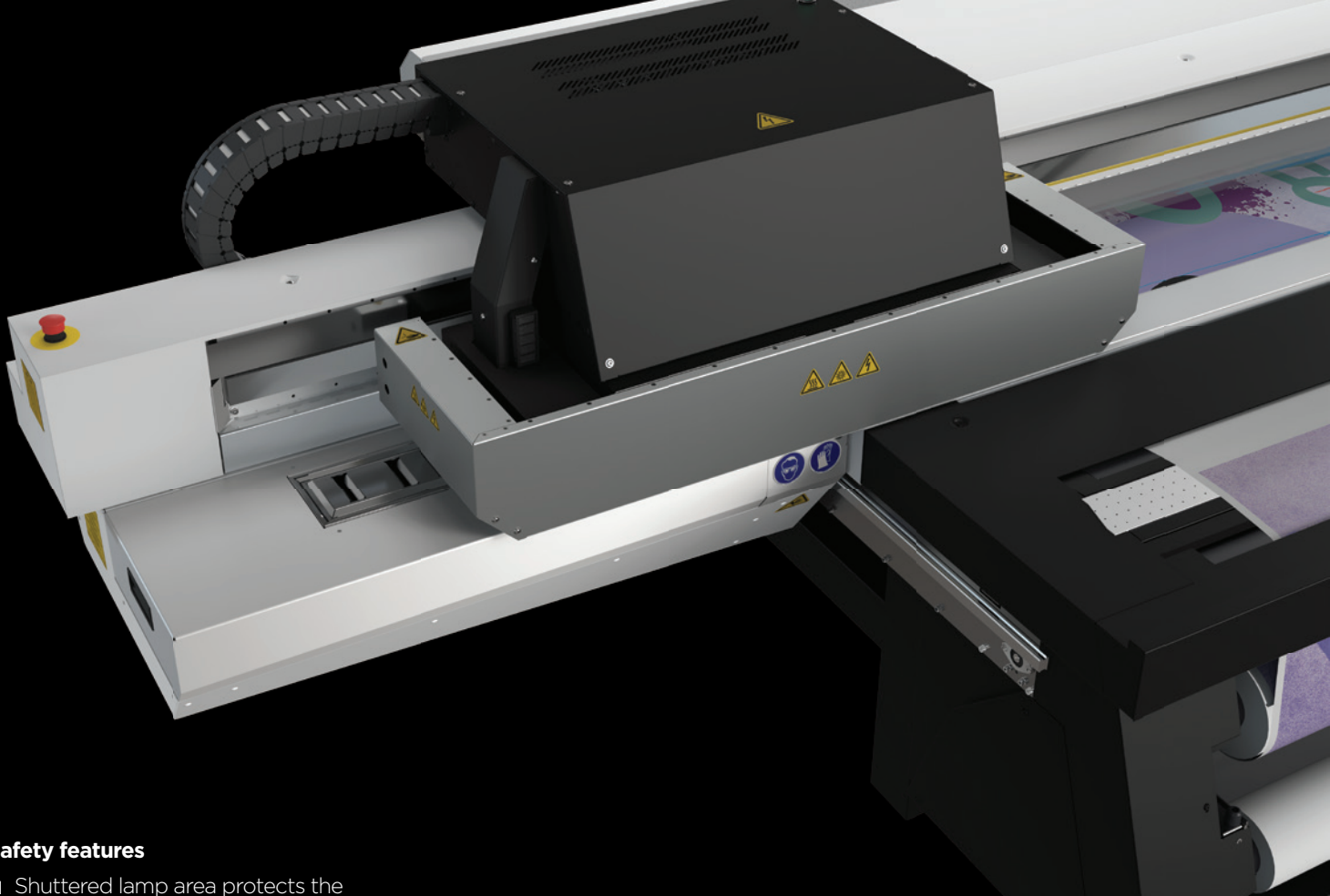
Independent rigid and roll systems

- Print on roll media while preparing your next rigid media job – no need to stop to change modes
- Compact roll media handling reduces overall footprint and reduces roll media waste

Four, five, six or eight independent ink channels (model dependent)

- Use white ink to print on coloured media, create Backlit, Day-Night and Opaque applications
- Print varnish applications with spot and flood gloss effects
- Utilise Light Cyan and Light Magenta for even higher quality photo- and fine art applications





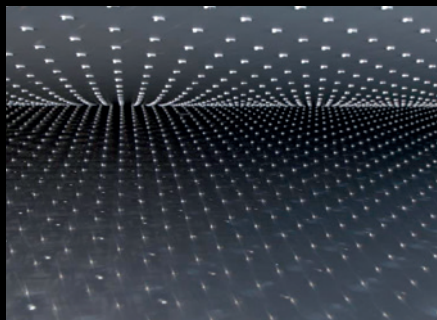
Safety features

- Shuttered lamp area protects the operator and print heads from excessive UV exposure
- Carriage guard protects the printer from media collisions by stopping motion if interrupted



Easy operation

- Single-phase electrical power
- Reprint a job with just one click
- Batch mode for efficient production of complex multilayer jobs
- Pneumatic driven self-retracting media registration pins (model dependent)
- Advanced operator functions as Step & Repeat and Mirror



True flatbed

- Support for rigid media or objects up to 50.8 mm (2") thick
- Edge-to-edge (full bleed) printing
- Easy, precise double-sided printing
- The 6 or 7 zone vacuum system holds the media in place and eliminates time-consuming table masking for standard sized jobs



Bulk ink system

- Inks in quick-release bags
- Easy replacement on-the-fly
- Temperature-regulated system maintains consistent ink viscosity
- Low-ink warning system

ENDLESS PRODUCTION POSSIBILITIES

The Arizona series opens the door to a world of specialised applications that can command premium prices. Unlike conventional rigid capable printers that use friction or belt feed systems, the Arizona series can print on just about anything. That means irregular shaped or non-square items, heavy substrates and materials that have an uneven surface, such as wood. They are also perfect for complex technical or industrial printing applications where accurate, repeatable print geometry is critical.

Perfect registration

Align media in perfect registration using the pneumatic, self-retracting media registration pins (model dependent). A vacuum system holds rigid media stationary on the printer's flat table surface, ensuring perfect registration even on multiple imaging passes or double-sided printing applications. Print edge-to-edge (full bleed) to save time and labour cost in finishing. A time-saving batch mode is provided in certain models for the efficient production of complex, multilayer jobs.



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THE LATEST ARIZONA SERIES PRINTERS ENABLE EXCITING NEW APPLICATIONS USING INSTANT-ON FEATURES SUCH AS LED LAMP TECHNOLOGY, ELEVATED PRINTING AND JOB-AUTOMATION SOFTWARE TO UNLEASH YOUR CUSTOMERS CREATIVITY.

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Flexible media printing

With the Roll Media Option (available on the Arizona 135 GT, 1300 and 2300 series) you can print on a wide range of flexible media without compromising the rigid printing workflow in any way. These include banners, textiles, films, self-adhesive vinyls and various indoor and outdoor papers. And unlike most systems, the two printing areas do not interfere with each other: while printing on the Roll Media Option, the operator can set up the next rigid media job on the flatbed without disrupting the printing process. The Roll Media Option directly increases profitability by enabling unattended overnight printing on flexible media up to 2.2 meters wide. Using the Roll Media Option, Print Service Providers can print continuously on rigid media during the day and roll media at night, maximising return on investment and minimising the lead time of critical orders.

Six or eight independent channels

The Arizona 1300 and 2300 series, introduce new levels of versatility. Six or eight independent ink channels allow varnish applications for spot and flood gloss effects, as well as white and even double-opacity white ink if varnish is not required. White ink enables printing on non-white media or objects (under-printing), creating backlit applications and using white as a spot colour. It allows you to simultaneously print white between layers of colour for a Day-Night image that can be backlit or not, depending on the time of day.

Six or eight ink channels means that optional support for 6 colour printing using light Cyan and light Magenta for even better print quality for photographic or fine art applications, is now available. The multiple user-selectable vacuum zones supporting standard media sizes without table masking, also significantly increases system productivity.

Extra productivity

The extra width of the Arizona XT models enables usage of continuous imaging modes for rigid media up to 1.25m by 2.5m, or a standard 4 by 8-foot board. Two rigid boards of this size can be mounted on separate vacuum areas of the flatbed table. While one board is being printed, the operator can change the other. Since the printer never has to stop printing for a media change, operators can significantly increase their net print production.

Arizona FLOW technology

As an alternative to the successful Arizona Classic flatbed architecture, the Arizona 2300 series features Arizona FLOW technology. The ideal choice for flexible and productive double-sided printing and switching between application types. Say goodbye to costly masking.



MEET THE **ARIZONA FAMILY**



	Arizona 135 GT	Arizona 13x0 GT	Arizona 13x0 XT	Arizona 23x0 GTF	Arizona 23x0 XTF	Arizona 61x0 XTS & Arizona 61x0 XTS HFV
Applications						
POP displays Posters Signage & banners Wall panels Transit advertising Backlit displays Special applications and more...				●		
Rigid media size						
2,50m x 1,25m 2,50m x 3,08m <small>Note: 320 cm x N cm permitted w/308 cm vacuum</small>	● -	● -	- ●	● -	- ●	- ●
Rigid media thickness						
50.8 mm				●		
Variadot imaging technology						
6 to 30 picolitre droplets, 636 nozzles per head, one printheads/color, single row design				●		
High-Key print speed	-	50,9m ² /h	52,8m ² /h	89,0 m ² /h	95,0 m ² /h	-
Express print speed	34,2 m ² /h	34,2 m ² /h	35,3 m ² /h	57,6 m ² /h	64,2 m ² /h	155 m ² /h
Production print speed	20,8 m ² /h	20,8 m ² /h	21,3 m ² /h	36,7 m ² /h	39,7 m ² /h	100 m ² /h
Quality print speed	14,6 m ² /h	14,6 m ² /h	15 m ² /h	26,0 m ² /h	27,6 m ² /h	72 m ² /h
Pneumatic Registration Pins						
Pneumatic Dual origin Quadruple origin	- - -	● - -	- ● -	- ● -	- ● -	- ● -
Automatic Printhead Maintenance System						
included as standard equipment for hands-free printhead maintenance, restoring nozzle function in seconds				●		
UV curing technology						
LED-UV Low heat UV arc lamp	● -	● -	● -	● -	● -	- ●
Printer configurations						
4 ink channels 5 ink channels 6 ink channels 7 ink channels 8 ink channels	- 135 GT - - -	1340 GT - 1360 GT - 1380 GT	1340 XT - 1360 XT - 1380 XT	2340 GTF - 2360 GTF - 2380 GTF	2340 XTF - 2360 XTF - 2380 XTF	- - 6160 XTS & XTS HFV 6170 XTS & XTS HFV -
Ink configurations						
CMYK CMYK & W CMYK & WW CMYK & WV CMYK & cm CMYK & cm & W CMYK & cm & WW CMYK & cm & WV	- 135 GT - - - - - -	1340 GT - 1360 GT 1360 GT - - 1380 GT 1380 GT	1340 XT - 1360 XT 1360 XT - - 1380 XT 1380 XT	2340 GTF - 2360 GTF 2360 GTF - - 2380 GTF 2380 GTF	2340 XTF - 2360 XTF 2360 XTF - - 2380 XTF 2380 XTF	- - - - 6160 XTS & XTS HFV 6170 XTS & XTS HFV - -
Ink certification	Greenguard Gold					
Ink configurations						
1-ink channel upgrade 2-ink channel upgrade Field-upgrade	- - -	- 1340 GT 1360 GT	- 1340 XT 1360 XT	- 2340 GTF 2360 GTF	- 2340 XTF 2360 XTF	6160 XTS - -
Durability of output	2+ years					
Roll Media Option	○	○	○	○	○	-
Elevated printing						
by Touchstone	-	○	○	○	○	-
by Arizona Xpert	○	○	○	○	○	-
Job-automation						
by Arizona Xpert				○		
On Remote Service				●		

● Standard ○ Optional - Not available

Do it smarter



Touchstone

The ability to print textured, layered and complex high-value applications. The Touchstone package consists of the ALPS engine and an Adobe Illustrator & Photoshop extension. Depending on your application you can do elevated prints with ALTO (Colors) or BRILA (Varnish). Touchstone is compatible with Arizona 1300 and 2300 series, only in combination with IJC357 ink.

Arizona Xpert

Arizona Xpert is a prepress-stage software optimization that saves operators time and money by making complex multi-layered jobs easy and predictable, automating the process for future jobs using the same recipe. Arizona Xpert is compatible with Arizona 135 GT, 1300 series, 2300 series and 6100 series.

Designed To Work Together

Canon offers the ONYX Workflow Suite to get the most out of an Arizona series flatbed printer. Canon and the Arizona series flatbed printers preferably use the ONYX Thrive workflow solution. ONYX Thrive and ONYX Connect can drive all your current and future printers and connects your production environment to the rest of your company and most importantly, to your customers.

The RIP solution

To prepare files for printing, a RIP or “raster image processor” is a vital part of the flatbed printing workflow. A state-of art RIP is powered by Adobe technologies including the Adobe PDF Print Engine and Adobe Normalizer, which maintain fidelity of the creative intent and eliminate late-stage surprises. It can also process the colour information in the file so you can properly colour manage the entire process using an ICC workflow. ONYX Thrive is the preferred RIP solution for the Arizona flatbed printers.



ONYX Thrive

ONYX Thrive workflow software is a scalable print production solution based on Adobe PDF Print Engine technology. ONYX Thrive is a true end-to-end PDF workflow from digital file submission through color management, printing and cutting. ONYX Thrive software manages the wide format print production workflow process offering print service providers accurate, predictable, high quality printing results, and reducing costly errors. ONYX Thrive offers plug-in options such as ONYX Textile, ONYX Connect, ProCut Prepress to connect to your production and finishing workflow and to your customers.

ONYX Connect


ONYX Connect is an open system that provides a simple developer interface to connect your current business workflow solutions to ONYX production software, without needing to replace existing business workflows with a proprietary or RIP-specific solution. ONYX Thrive can seamlessly integrate with your Enfocus Switch production workflow to automate repetitive tasks and integrate with popular applications from industry leading providers. This is an optional Plug-In module available for ONYX Thrive.

On Remote Service


Our ongoing commitment to innovation embraces the development of not only outstanding quality products but also advanced service concepts and solutions. On Remote Service (ORS) is one such productivity-focused toolset. It has been designed to increase uptime and offer valuable service preventive capabilities. In the development of our latest family of printers, ORS even opens up important predictive capabilities, to raise uptime and performance to new levels.



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2023

LARGE FORMAT PRINT
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