

Arizona 1300 series

**READY WHEN  
YOU ARE**

**Canon**

**Canon**

# ARIZONA 1300

## DO MORE. DO IT SMARTER. DO IT NOW.



Our first ever LED flatbed, the Arizona 1300 series offers outstanding speed and print quality across both rigid and flexible media, for the widest possible range of applications.

Truly state-of-the-art, the series is equipped with our latest productivity and ease of use innovations, including UV-curing, instant-on printing, self-learning technology and an enhanced screening system.

And because Arizona 1300 series printers are designed to be future-proof, you can keep upgrading them - adding extra ink channels (including light and white UV inks), roll media, or our patented Touchstone software for creating textured graphics.

Cutting-edge technology you can trust, with automated maintenance and remote servicing, the Arizona 1300 series is the reliable, cost-effective way to take your printing to the next level.



# READY FOR ANYTHING DO MORE

## Make more possible

Have you ever wanted to print on unusual media, like canvas, wood, tile or glass? Or maybe on odd-shaped objects or heavy, smooth or pre-cut media? Or perhaps you're looking to print large images tiled over multiple boards? The Arizona 1300 series can print almost anything on anything - enabling you to explore endless possibilities.

Built around true flatbed architecture, the Arizona 1300 series easily handles edge-to-edge printing: the GT models can print on media or objects of up to 1.25 x 2.5 metres (49.2 x 98.4 inches) and the larger XT models on media or objects of up to 2.5 x 3.08 metres (98.4 x 121.3 inches).

But whatever surface you're printing on, there's no compromise in quality: using new print modes, enhanced screening and the option to add varnish or extra colours to your ink channels (including light cyan, light magenta and our brightest ever white UV ink), you can produce even higher quality photo and fine art applications.

And because our new LED-UV inks are Greenguard-certified, your prints can be used anywhere - even in schools and hospitals.



Have you ever wanted to print on unusual media, like canvas, wood, tile or glass?

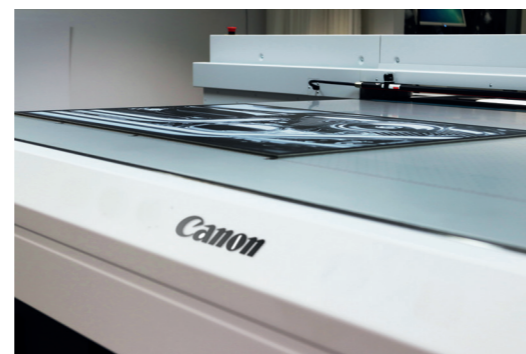
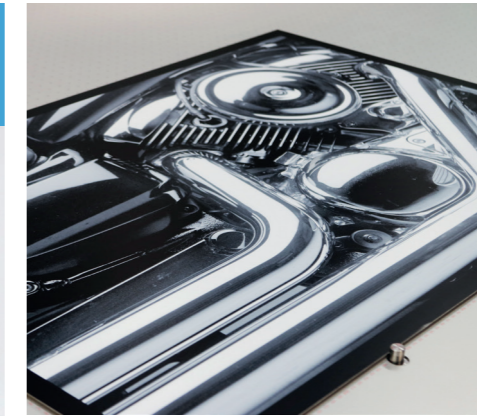
## Get ready for perfection

Featuring our award-winning VariaDot printing system, the Arizona 1300 series deliver near-photographic print quality, even at the highest production speeds. This innovative technology uses multiple droplet sizes in every print - automatically selecting small droplets for fine detail, mid-sized droplets for colour transitions, and large droplets for areas of heavy colour saturation.

This outstanding image quality is further enhanced by a new high-resolution camera alignment system that guarantees fast, precise printhead alignment and flatbed table mapping. Our Active Pixel Placement Compensation feature creates an accurate, uniform print geometry across the entire surface of the flatbed - effectively flattening the entire table to within 50 microns.

## Printing in a new dimension

When was the last time you could literally add a new dimension to your work? The Arizona 1300 series can be equipped with Touchstone, a cutting-edge software platform which enables you to create and print textured designs. This innovative technology opens up a whole range of innovative new applications - enabling you to stand out from the competition.



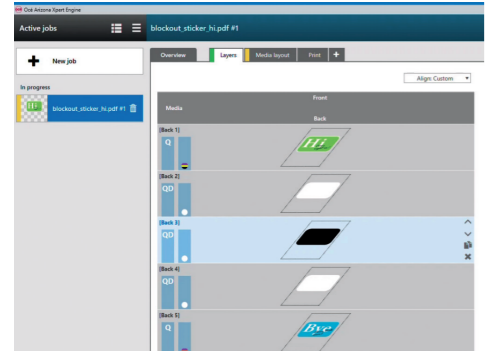
# READY FOR WHAT'S NEXT

## DO IT SMARTER

### Print > Learn > Repeat

What if your printer could learn from what you do? The Arizona 1300 series can do exactly that, thanks to the self-learning capability of its integrated Arizona Xpert system.

When you design and print a complex, multi-layered project, the printer remembers the 'recipe' you used - including transparencies and multi-sided printing. So the next time you print a similar application, it uses the exact same recipe again - saving you time and money during prepress, and eliminating mistakes and the need for trial runs.



### Easy does it

Incredibly fast and simple to operate, the Arizona 1300 series has been designed for the needs of a busy print environment. That's why we've also ensured that it's easy to make last-minute adjustments at the printer, like nesting, batching complex jobs, mirroring and re-assigning print modes.

Media handling is fast and efficient, thanks to pneumatic registration pins that help you load rigid media.

And since the six or seven-zone vacuum system is optimised for standard rigid media sizes, there's often no need for vacuum masking.

On the XT models, you can even load or unload one piece of media while printing on another one at the same time, thanks to their dual-origin, independent vacuum systems - which can reliably hold media in place during printing.

### Expand your options

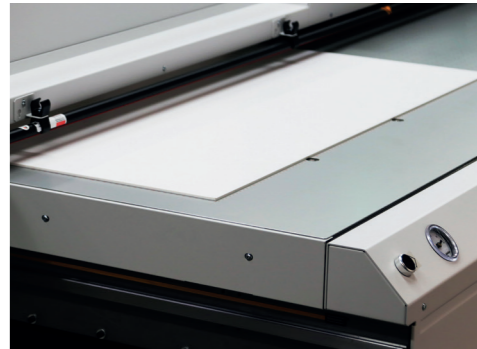
The Arizona 1300 series allows you to add upgrades at any time - from extra ink channels for even greater versatility and productivity, to a Roll Media Option for unrivalled print quality on flexible media.

With 4, 6 or 8 colour channels, it's easy to create whatever hardware configuration you need - whether you're adding light or bright white inks, for example, or adding varnish for stunning, high-value applications.

Using the Roll Media Option, you can print on media up to 220 cm (86.6 inches) wide, weighing up to 50 kg (110.2 lbs), including thin, heat-sensitive media. This upgrade also allows you to switch between rigid and flexible media jobs without any machine preparation - even during unattended overnight printing.

The Static Suppression Upgrade Kit can also be added whenever you want, to actively suppress static electricity when you're printing on hard plastic materials like acrylic, polycarbonate and styrene.

What if your printer could learn from what you do?



# ALWAYS READY DO IT NOW

### Why wait? Just print

When a valuable rush job comes in, the last thing you want to do is wait for your printer to warm up. Thanks to their LED-UV curing system, Arizona 1300 series printers are instantly ready to print from standby mode: they really are 'ready when you are'.

And our new UV inks, which offer superior adhesion and functionality on the widest range of media, are optimised for rapid LED curing – ensuring outstanding print quality, time after time.

### Fast on any surface

Arizona 1300 series printers are incredibly fast, delivering sharp, high-key prints up to 50 square metres (538 square feet) per hour and high-density prints up to 35 square metres (377 square feet) per hour.

Even better, this productivity comes with extremely low ink consumption for printers with greyscale printhead technology – on average less than 8 millilitres per square metre (0.74 millilitres per square foot), including maintenance.

### Up your uptime

When you're racing to meet a deadline, there's nothing worse than having to wait to get your printer fixed. But now you don't have to, thanks to the Arizona 1300 series' Automated Maintenance System. Offering fast, reliable, hands-free maintenance of your printhead, this system keeps your nozzles clean and corrects errors in seconds – even for white ink, which can be a difficult colour to maintain.

And to further ensure your Arizona 1300 series printer keeps performing at its best, we're also introducing our new Remote Service, a technical support platform providing swift, remote access to our expert service engineers.

# WHY YOU SHOULD DO MORE. DO IT SMARTER. DO IT NOW.

### Avoid risk

The Arizona series is now in its fourth generation with over 7000 sold, all with the backing and experience of the Canon brand.

### Flexibility

Multiple configurations coupled with inks and substrates for diverse media applications, offer new business opportunities for you and your clients.

### Support

Automated maintenance AMS, Arizona Xpert and registrations pins and upgradable field-support give you the freedom to focus on growing your business.



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# TECHNICAL SPECIFICATIONS

## ARIZONA 13x0 GT

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<b>Ink system</b>	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.																																																																																																																
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<b>Rigid media</b>	Maximum Area: 125 x 250 cm / 49.2 x 98.4 inches Maximum Thickness: 50.8 mm / 2.0 inches Maximum Mass: 34 kg/m <sup>2</sup> / 7 lbs/ft <sup>2</sup>																																																																																																																
<b>Rigid media print area</b>	Up to: 126 x 251 cm / 49.6 x 98.8 inches (for edge-to-edge printing)																																																																																																																
<b>Media roll specification</b>	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)																																																																																																																
<b>Roll media print width</b>	Up to 219 cm / 86.2 inches																																																																																																																
<b>Image processing</b>	ONYX Thrive 18 (421 configuration or greater recommended)																																																																																																																
<b>Connectivity</b>	10/100/1000 Base-T																																																																																																																
<b>Arizona Xpert</b>	Arizona Xpert offers a unique tool set to save time and money in the creation of complex, multi-layered 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.																																																																																																																
<b>Electrical power / Compressed air</b>	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 0.5 inch or 12mm OD air tubing. Peak flow: 57 l/min at 690 kPa (2 cfm at 100 psi)																																																																																																																
<b>Environment</b>	Temperature: 18° to 30 °C (64° to 86 °F) Relative humidity: 30 to 70% (non-condensing) Ventilation: 1,200 m <sup>3</sup> 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)																																																																																																																
<b>Size/Weight</b>	Printer only: 4.66 m x 2.0 m (183.5" x 78.7"), 849 kg (1,871 lbs.) Printer + Roll Media Option: 4.66 m x 2.29 m (183.5" x 90.2"), 1,099 kg (2,423 lbs.) Table height: 0.88 m (34.6") / Overall height: 1.3 m (51.2")																																																																																																																

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# ARIZONA 13x0 XT

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Quality-Density	•	•	•	8.2	88.3	6.3	67.8																																																																																																										
Quality-Layered (2)		•	•	7.5	80.7	6	64.6																																																																																																										
Quality-Layered (3)		•	•	5.0	53.8	4	43.1																																																																																																										
Fine Art	•	•	•	11.9	128.1	9.5	102.3																																																																																																										
High Definition	•	•	•	6.4	68.9	6	64.6																																																																																																										
Varnish (High Gloss)		•	•	-5	53.8	n.a.	n.a																																																																																																										
<b>Ink system</b>	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.																																																																																																																
<b>System architecture</b>	True flatbed for rigid media printing with available Roll Media Option for flexible media printing.																																																																																																																
<b>Geometric accuracy</b>	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Measured Over (mm)</th> <th colspan="2">Maximum Error (mm)</th> </tr> <tr> <th>Flatbed</th> <th>RMO</th> <th>Flatbed</th> <th>RMO</th> </tr> </thead> <tbody> <tr> <td>Line length (system width)</td> <td>2,500</td> <td>2,190</td> <td>± 0.8</td> <td>± 0.6</td> </tr> <tr> <td>Line length (system height)</td> <td>3,080</td> <td>2,000</td> <td>± 1.0</td> <td>± 1.5</td> </tr> <tr> <td>Line straightness (system width)</td> <td>2,500</td> <td>2,190</td> <td>0.7</td> <td>0.7</td> </tr> <tr> <td>Line straightness (system height)</td> <td>3,080</td> <td>2,000</td> <td>0.7</td> <td>2.0</td> </tr> <tr> <td>Diagonal Error ("square-ness")</td> <td>3,080x2,500</td> <td>2,000x2,190</td> <td>1.0</td> <td>2.5</td> </tr> </tbody> </table>		Measured Over (mm)		Maximum Error (mm)		Flatbed	RMO	Flatbed	RMO	Line length (system width)	2,500	2,190	± 0.8	± 0.6	Line length (system height)	3,080	2,000	± 1.0	± 1.5	Line straightness (system width)	2,500	2,190	0.7	0.7	Line straightness (system height)	3,080	2,000	0.7	2.0	Diagonal Error ("square-ness")	3,080x2,500	2,000x2,190	1.0	2.5																																																																														
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<b>Rigid media</b>	Maximum Area: 308 x 250 cm / 121.3 x 98.4 inches (320 x N cm permitted w/308 cm vacuum) Maximum Thickness: 50.8 mm / 2.0 inches Maximum Mass: 34 kg/m <sup>2</sup> / 7 lbs/ft <sup>2</sup>																																																																																																																
<b>Rigid media print area</b>	Up to: 309 x 251 cm / 121.7 x 98.8 inches (321 x N cm permitted w/308 cm vacuum)																																																																																																																
<b>Media roll specification</b>	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)																																																																																																																
<b>Roll media print width</b>	Up to 219 cm / 86.2 inches																																																																																																																
<b>Image processing</b>	ONYX Thrive 18 (421 configuration or greater recommended)																																																																																																																
<b>Connectivity</b>	10/100/1000 Base-T																																																																																																																
<b>Arizona Xpert</b>	Arizona Xpert offers a unique tool set to save time and money in the creation of complex, multi-layered 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.																																																																																																																
<b>Electrical power / Compressed air</b>	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 0.5 inch or 12mm OD air tubing. Peak flow: 57 l/min at 690 kPa (2 cfm at 100 psi)																																																																																																																
<b>Environment</b>	Temperature: 18° to 30 °C (64° to 86 °F) Relative humidity: 30 to 70% (non-condensing) Ventilation: 1,200 m <sup>3</sup> 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)																																																																																																																
<b>Size/Weight</b>	Printer only: 4.66 m x 3.83 m (183.5" x 150.8"), 1,660 kg (3,660 lbs.) Printer + Roll Media Option: 4.66 m x 4.12 m (183.5" x 162.2"), 1,910 kg (4,211 lbs.) Table height: 0.88 m (34.6") / Overall height: 1.3 m (51.2")																																																																																																																

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