

Canon

CANON SOLUTIONS AMERICA



ARIZONA 1300 SERIES

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

SMART CHANGE STARTS HERE.



ARIZONA 1300 SERIES



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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 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 pre-cut 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 meters) with the GT models and 98.4 by 121.3 inches (2.5 by 3.08 meters)

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 color transitions, and large drops for areas of heavy color 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 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 color channels, you can effortlessly create the exact hardware configuration you need: add extra ink channels for a color 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 centimeters) 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 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 meters) per hour and high-density prints up to 380 square feet (35.3 square meters) per hour. Even better, utilizing tiny 6 to 42 picoliter drops, this productivity comes with extremely low ink consumption for printers with grayscale printhead technology: less than 0.74 milliliters per square foot (8 milliliters per square meter) 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 color to maintain, the Arizona 1300 white ink system is just as error-proof as the other colors: 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 |
| 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 picoliters. The ability to vary the drop size to 6 picoliters produces sharp images with smoother gradients and quartertones. The ability to jet larger droplets up to 42 picoliters produces uniform colors. 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-liter bags for: Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta. White and Varnish packed in 1-liter 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. ² (34 kg/m ²) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 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 m ³ 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Printer Only | Printer and Roll Media Option | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 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 optional "Arizona Xpert Resale license" and the "Add Arizona Xpert Permission" can be purchased with the 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 picoliters. The ability to vary the drop size to 6 picoliters produces sharp images with smoother gradients and quartertones. The ability to jet larger droplets up to 42 picoliters produces uniform colors. 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-liter bags for: Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta. White and Varnish packed in 1-liter 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. ² (34 kg/m ²) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 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 m ³ 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th></th> <th>Printer Only</th> <th>Printer and Roll Media Option</th> </tr> </thead> <tbody> <tr> <td>Dimensions</td> <td>183.5" x 150.8" (4.66 m x 3.83 m)</td> <td>183.5" x 162.2" (4.66 m x 4.12 m)</td> </tr> <tr> <td>Weight</td> <td>3,660 lbs. (1,660 kg)</td> <td>4,211 lbs. (1,910 kg)</td> </tr> <tr> <td>Table Height</td> <td>34.6" (0.88 m)</td> <td>N/A</td> </tr> <tr> <td>Overall Height</td> <td>51.2" (1.3 m)</td> <td>N/A</td> </tr> </tbody> </table> | | 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 | | | | | | | | | | | | | | | | | | | | |
| | Printer Only | Printer and Roll Media Option | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Table Height | 34.6" (0.88 m) | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Overall Height | 51.2" (1.3 m) | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOFTWARE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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