SPEC SHEET - Arizona 6100 Mark II series UV flatbed printers

REMARKABLE. RELIABLE. ROBUST.

The Arizona 6100 series evolution continues with the Mark II models

The purpose-built Arizona 6100 Mark II series comprises reliable, easy-to-integrate, high-volume true flatbed printers producing exceptional print quality and our highest productivity across a wide range of rigid media applications.

There are two platforms to choose from: the Arizona 6100 XTS Mark II utilizing a classic vacuum system, and the 6100 XTHF Mark II equipped with a high-flow vacuum system for holding down porous media such as corrugated fiberboard or warped plywood. Each can be configured with 6 or 7 ink channels and deliver print speeds up to 2,368 ft²/hr.

ARIZONA 6160 XTS MARK II AND ARIZONA 6160 XTHF MARK II

Technical specifications - imperial

	Arizona 6160 XTS Mark II		Arizona 6160 XTHF Mark II	
Printing Technology	Piezoelectric inkjet using 3rd generation VariaDot imaging technology in a six color configuration; arranged in six independent channels of six 636-nozzle variable droplet printheads per channel, 36 printheads in total.			
Resolution	Variable droplet sizes from 6 to 30 picoliters. The ability to vary the drop size to 6 picoliters produces sharp images with smooth gradients and quartertones. The ability to jet larger droplets up to 30 picoliters helps produce uniform colors. The result is photo-realistic print quality with sharpness only before seen at resolutions of 1,440 dpi or higher. Text as small as 6 pt. is perfectly legible.			
Print mode	**Print speed**		**Productivity in Boards/Hour (4 x 8 ft)[1]**	
High-Key	2,368 ft²/h		41	
Express	1,668 ft²/h		33	
Production	1,076 ft²/h		24	
Production-Plus	1,076 ft²/h		24	
Production-Matte	775 ft²/h		18	
Quality	775 ft²/h		18	
Quality-Plus	775 ft²/h		18	
Quality-Matte	549 ft²/h		14	
Quality-Smooth	431 ft²/h		11	
Quality-Density	431 ft²/h		11	
Quality 2-layer	-		-	
Quality 3-layer	-		-	
Ink System	IIJC261, IJC262 UV Curable Inks in Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta in 3 liter, quick-exchange pouches. IJC255 in Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta in 2 liter pouches.			
System Architecture	True flatbed architecture optimized for printing on rigid or sheet media or objects.		True flatbed architecture optimized for printing on rigid or sheet media or objects, including corrugated cardboard and other porous or difficult to constrain media.	
Pneumatic Pin System	5 easy-to-use pneumatic registration pins per independent vacuum area, 10 pins in total. Allowing for registration at 2 origins.		5 easy-to-use pneumatic registration pins per media loading area, 10 pins in total, with independent pin control for large board support. Allowing for registration at 2 origins.	
Vacuum System	Two high-pressure vacuum pumps with sufficient flow rate for all non-porous graphics arts media, supporting independent operation of two vacuum areas.		Three high-flow regenerative blower style vacuum pumps generating sufficient airflow to overwhelm porous and non-porous media, supporting one large vacuum area (full flatbed table).	
Geometric Accuracy				
	Measured Over	**Maximum Error**	**Measured Over**	**Maximum Error**
Line Length (width)	98.4 inches	± 0.032 inches	98.4 inches	± 0.032 inches
Line Length (length)	120.1 inches	± 0.039 inches	126.0 inches	± 0.039 inches
Line Straightness (system width)	98.4 inches	0.028 inches	98.4 inches	0.028 inches
Line Straightness (system length)	120.1 inches	0.028 inches	126.0 inches	0.028 inches
Diagonal Error ("square-ness")	120.1 x 98.4 inches	0.039 inches	126.0 x 98.4 inches	0.039 inches
Maximum Media Size	98.4 x 121.3 x 2 inches		98.4 x 126 x 1 inches	
Maximum Print Area	98.8 x 121.7 inches, edge-to-edge printing (full bleed)		98.8 x 126.4 inches, edge-to-edge printing (full bleed)	
Maximum Media Weight	Up to 7 lbs/ft², total weight at maximum size: 571 lbs		Up to 7 lbs/ft², total weight at maximum size: 600 lbs	
User Interface	LCD flat-panel monitor and mouse on a user-positioned podium			
Image Processing S/W	ONYX Thrive v21 or later			
Network Connectivity	100/1000 Base-T			
Electrical Power	Three-phase, 200-240VAC, 50/60Hz, 30A Delta OR 347-415VAC, 50/60Hz, 20A Wye, 9.6kW max		Printer: 3-phase, 200-240VAC, 50/60Hz, 20A Delta OR 347-415VAC, 50/60Hz, 11A Wye, 7 kW max Pumps: 3-phase, 208VAC, 60Hz, 45A/phase Delta OR 400VAC, 50Hz, 20A/phase Wye, 10 kW max	
Compressed Air	Compressed air that meets ISO Standard 8573-1:2010(E) Class 3 purity standards for cleanliness and water content.			
Maximum Line Pressure	827 kPa (120 psi)			
Pressure Regulator set to	724 kPa (105 psi)			
Peak Flow	340 l/min at 690 kPa (12 cfm at 100 psi)			
Continuous Flow	56 l/min at 690 kPa (2 cfm at 100 psi)			
Environment				
Temperature	65-86 ˚F			
Relative Humidity	30 to 70% (non-condensing)			
Ventilation and Air Filtration	Required. See Site Preparation Guide for details.			
Operating Altitude	Maximum 6,560 feet above sea level			
Dimensions				
Printer Footprint	225.2 x 189.8 inches		225.1 x 189.7 inches	
Table Height	35.2 to 36.0 inches		36.2 to 37.0 inches	
Overall Height	58.9 inches			
High-Key	-		94.1 x 29.9 x 29.9 inches	
Weight	5,159 lbs (includes user podium and table vacuum pumps)		Printer: 4,700 lbs (includes user podium) High-FLOW Vacuum Box: 1,378 lbs	

[1] *Arizona 6160 XTS Mark II: As measured printing continuously using with media loaded against pins in Area A and B.*
Arizona 6160 XTHF Mark II: As measured with 2-up printing using 1 set of registration pins in Area A. Counted with average 75 second downtime between board changes.

ARIZONA 6170 XTS MARK II AND ARIZONA 6170 XTHF MARK II

Technical specifications - imperial

	Arizona 6170 XTS Mark II		Arizona 6170 XTHF Mark II	
Printing Technology	Piezoelectric inkjet using 3rd generation VariaDot imaging technology in a six color configuration plus White; arranged in seven independent channels of six 636-nozzle variable droplet printheads per channel, 42 printheads in total.			
Resolution	Variable droplet sizes from 6 to 30 picoliters. The ability to vary the drop size to 6 picoliters produces sharp images with smooth gradients and quartertones. The ability to jet larger droplets up to 30 picoliters helps produce uniform colors. The result is photo-realistic print quality with sharpness only before seen at resolutions of 1,440 dpi or higher. Text as small as 6 pt. is perfectly legible.			
Print mode	**Print speed**		**Productivity in Boards/Hour (4 x 8 ft)[1]**	
High-Key	2,368 ft²/h		41	
Express	1,668 ft²/h		33	
Production	1,076 ft²/h		24	
Production-Plus	1,076 ft²/h		24	
Production-Matte	775 ft²/h		18	
Quality	775 ft²/h		18	
Quality-Plus	775 ft²/h		18	
Quality-Matte	549 ft²/h		14	
Quality-Smooth	431 ft²/h		11	
Quality-Density	431 ft²/h		11	
Quality 2-layer	388 ft²/h		10	
Quality 3-layer	258 ft²/h		7	
Ink System	IJC261, IJC262 UV Curable Inks in Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta in 3 liter, quick-exchange pouches. IJC261/IJC262 White in 2 liter pouch. IJC255 in Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta in 2 liter pouches. IJC255 White in 1 liter pouch.			
System Architecture	True flatbed architecture optimized for printing on rigid or sheet media or objects.		True flatbed architecture optimized for printing on rigid or sheet media or objects, including corrugated cardboard and other porous or difficult to constrain media.	
Pneumatic Pin System	5 easy-to-use pneumatic registration pins per independent vacuum area, 10 pins in total. Allowing for registration at 2 origins.		5 easy-to-use pneumatic registration pins per media loading area, 10 pins in total, with independent pin control for large board support. Allowing for registration at 2 origins.	
Vacuum System	Two high-pressure vacuum pumps with sufficient flow rate for all non-porous graphics arts media, supporting independent operation of two vacuum areas.		Three high-flow regenerative blower style vacuum pumps generating sufficient airflow to overwhelm porous and non-porous media, supporting one large vacuum area (full flatbed table).	
Geometric Accuracy				
	Measured Over	**Maximum Error**	**Measured Over**	**Maximum Error**
Line Length (width)	98.4 inches	± 0.032 inches	98.4 inches	± 0.032 inches
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Maximum Media Size	98.4 x 121.3 x 2 inches		98.4 x 126 x 1 inches	
Maximum Print Area	98.8 x 121.7 inches, edge-to-edge printing (full bleed)		98.8 x 126.4 inches, edge-to-edge printing (full bleed)	
Maximum Media Weight	Up to 7 lbs/ft², total weight at maximum size: 571 lbs		Up to 7 lbs/ft², total weight at maximum size: 600 lbs	
User Interface	LCD flat-panel monitor and mouse on a user-positioned podium			
Image Processing S/W	ONYX Thrive v21 or later			
Network Connectivity	100/1000 Base-T			
Electrical Power	Three-phase, 200-240VAC, 50/60Hz, 30A Delta OR 347-415VAC, 50/60Hz, 20A Wye, 9.6kW max		Printer: 3-phase, 200-240VAC, 50/60Hz, 20A Delta OR 347-415VAC, 50/60Hz, 11A Wye, 7 kW max Pumps: 3-phase, 208VAC, 60Hz, 45A/phase Delta OR 400VAC, 50Hz, 20A/phase Wye, 10 kW max	
Compressed Air	Compressed air that meets ISO Standard 8573-1:2010(E) Class 3 purity standards for cleanliness and water content.			
Maximum Line Pressure	827 kPa (120 psi)			
Pressure Regulator set to	724 kPa (105 psi)			
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Environment				
Temperature	65-86 ˚F			
Relative Humidity	30 to 70% (non-condensing)			
Ventilation and Air Filtration	Required. See Site Preparation Guide for details.			
Operating Altitude	Maximum 6,560 feet above sea level			
Dimensions				
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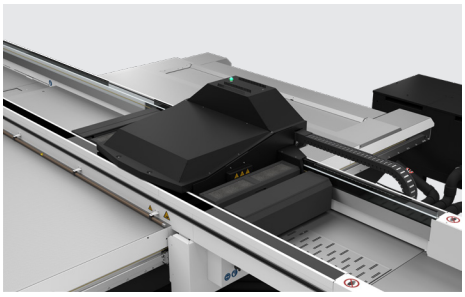
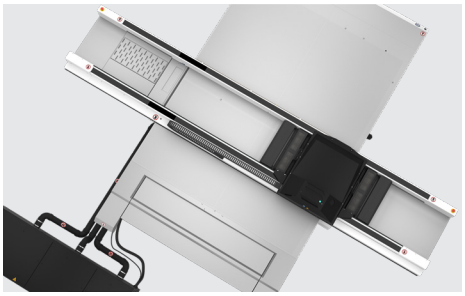
Arizona 6170 XTHF Mark II: As measured with 2-up printing using 1 set of registration pins in Area A. Counted with average 75 second downtime between board changes.





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