

# Technical specifications - metric

## Arizona 6160 XTS Mark II Arizona 6160 XTHF Mark II

	Arizona 6160 XTS Mark II		Arizona 6160 XTHF Mark II	
Printing Technology	Piezoelectric inkjet using 3 <sup>rd</sup> 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 smoother gradients and quartertones. The ability to jet larger droplets up to 30 picoliters produces 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 (122 x 244 cm) <sup>1</sup>	
High-Key	220 m²/h		41	
Express	155 m²/h		33	
Production	100 m²/h		24	
Production-Plus	100 m²/h		24	
Production-Matte	72 m²/h		18	
Quality	72 m²/h		18	
Quality-Plus	72 m²/h		18	
Quality-Matte	51 m²/h		14	
Quality-Smooth	40 m²/h		11	
Quality-Density	40 m²/h		11	
Quality 2-layer	-		-	
Quality 3-layer	-		-	
Ink System	IJC261, 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)	2.5 m	± 0.8 mm	2.5 m	± 0.8 mm
Line length (length)	3.05 m	± 1.0 mm	3.2 m	± 1.0 mm
Line straightness (system width)	2.5 m	0.7 mm	2.5 m	0.7 mm
Line straightness (system length)	3.05 m	0.7 mm	3.2 m	0.7 mm
Diagonal Error ("square-ness")	3.05 x 2.5 m	1.0 mm	3.2 x 2.5 m	1.0 mm
Maximum Media Size	2,500 x 3,080 x 50.8 mm		2,500 x 3,200 x 25.4 mm	
Maximum Print Area	2,510 x 3,090 mm, edge-to-edge printing (full bleed)		2,510 x 3,210 mm, edge-to-edge printing (full bleed)	
Maximum Media Weight	Up to 34 kg/m², total weight at maximum size: 259 kg		Up to 34 kg/m², total weight at maximum size: 272 kg	
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	18° to 30° C			
Relative humidity	30 to 70% (non-condensing)			
Ventilation and air filtration	Required. See Site Preparation Guide for details.			
Operating Altitude	Maximum 2,000 m above sea level			
Dimensions				
Printer footprint	5.72 x 4.82 m		5.72 x 4.82 m	
Table height	0.895 to 0.915 m		0.920 to 0.940 m	
Overall height	1.50 m			
High-FLOW Vacuum Box (LxWxH)	-		2.39 x 0.76 x 0.76 m	
Weight	2,340 kg (includes user podium and table vacuum pumps)		Printer: 2,132 kg (includes user podium) High-FLOW Vacuum Box: 625 kg	

<sup>1</sup> 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		Arizona 6170 XTHF Mark II	
Printing Technology	Piezoelectric inkjet using 3 <sup>rd</sup> generation VariaDot imaging technology in a six colour 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 smoother gradients and quartertones. The ability to jet larger droplets up to 30 picoliters produces 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 Speed Boards/Hour (122 x 244 cm) <sup>1</sup>	
High-Key	220 m²/h		41	
Express	155 m²/h		33	
Production	100 m²/h		24	
Production-Plus	100 m²/h		24	
Production-Matte	72 m²/h		18	
Quality	72 m²/h		18	
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Quality-Matte	51 m²/h		14	
Quality-Smooth	40 m²/h		11	
Quality-Density	40 m²/h		11	
Quality 2-layer	36 m²/h		10	
Quality 3-layer	24 m²/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
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Maximum Media Weight	Up to 34 kg/m², total weight at maximum size: 259 kg		Up to 34 kg/m², total weight at maximum size: 272 kg	
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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.