

# Arizona 6160 XTS Mark II

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<b>Printing Technology</b>	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.			
<b>Resolution</b>	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.			
<b>Print mode</b>	<b>Print speed</b>	<b>Productivity in Boards/Hour (122 x 244 cm)<sup>1</sup></b>		
High-Key	220 m <sup>2</sup> /h	41		
Express	155 m <sup>2</sup> /h	33		
Production	100 m <sup>2</sup> /h	24		
Production-Plus	100 m <sup>2</sup> /h	24		
Production-Matte	72 m <sup>2</sup> /h	18		
Quality	72 m <sup>2</sup> /h	18		
Quality-Plus	72 m <sup>2</sup> /h	18		
Quality-Matte	51 m <sup>2</sup> /h	14		
Quality-Smooth	40 m <sup>2</sup> /h	11		
Quality-Density	40 m <sup>2</sup> /h	11		
Quality 2-layer	-	-		
Quality 3-layer	-	-		
<b>Ink System</b>	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.			
<b>System Architecture</b>	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.		
<b>Pneumatic Pin System</b>	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.		
<b>Vacuum System</b>	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).		
<b>Geometric Accuracy</b>				
	<b>Measured Over</b>	<b>Maximum Error</b>	<b>Measured Over</b>	<b>Maximum Error</b>
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
<b>Maximum Media Size</b>	2,500 x 3,080 x 50.8 mm		2,500 x 3,200 x 25.4 mm	
<b>Maximum Print Area</b>	2,510 x 3,090 mm, edge-to-edge printing (full bleed)		2,510 x 3,210 mm, edge-to-edge printing (full bleed)	
<b>Maximum Media Weight</b>	Up to 34 kg/m <sup>2</sup> , total weight at maximum size: 259 kg		Up to 34 kg/m <sup>2</sup> , total weight at maximum size: 272 kg	
<b>User Interface</b>	LCD flat-panel monitor and mouse on a user-positioned podium			
<b>Image Processing S/W</b>	ONYX Thrive v21 or later			
<b>Network Connectivity</b>	100/1000 Base-T			
<b>Electrical Power</b>	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	
<b>Compressed Air</b>	Compressed air that meets ISO Standard 8573-1:2010(E) Class 3 purity standards for cleanliness and water content.			
<b>Maximum line pressure</b>	827 kPa (120 psi)			
<b>Pressure regulator set to</b>	724 kPa (105 psi)			
<b>Peak flow</b>	340 l/min at 690 kPa (12 cfm at 100 psi)			
<b>Continuous flow</b>	56 l/min at 690 kPa (2 cfm at 100 psi)			
<b>Environment</b>				
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			
<b>Dimensions</b>				
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.