

# Arizona 6160 XTS Mark II

# Arizona 6160 XTHF Mark II

|                                   | Arizona 6160 XTS Mark II  | Arizona 6160 XTHF Mark II   |   |                      |
|-----------------------------------|---|---|---|----------------------|
| <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<br>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)<br>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   |   |                      |
|-----------------------------------|---|---|---|----------------------|
| <b>Printing Technology</b>        | 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.   |   |   |                      |
| <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 Speed 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                   | 36 m <sup>2</sup> /h  | 10  |   |                      |
| Quality 3-layer                   | 24 m <sup>2</sup> /h  | 7   |   |                      |
| <b>Ink System</b>                 | 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.  |   |   |                      |
| <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<br>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)<br>High-FLOW Vacuum Box: 625 kg  |                      |

<sup>1</sup> Arizona 6170 XTS Mark II: As measured printing continuously using with media loaded against pins in Area A and B.  
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.