Rigid productivity by design

An easy-to-use high volume flatbed, the Océ Arizona 6100 Series delivers highly productive rigid media printing and sets new standards for print quality, application versatility and reliability.

Océ Arizona 6100-Series

you can

- UP TO 155M² PER HOUR
- TRUE FLATBED ARCHITECTURE
- VERSATILE RIGID MEDIA APPLICATIONS
- OCÉ VARIADOT™ IMAGING TECHNOLOGY FOR SUPERIOR PRINT QUALITY
- AUTOMATED PRINTHEAD MAINTENANCE SYSTEM
- PNEUMATIC MEDIA REGISTRATION PINS
- HIGH-FLOW VACUUM SYSTEM
- NON-STOP PRINTING

The single best option

Purpose designed for graphics professionals and built without compromise, Océ Arizona 6100 Series dedicated high volume flatbed systems are ideal for sign and display graphics print service providers with a production potential in excess of 30,000m² per year.

Next-level productivity

Designed as a productivity platform, the Océ Arizona 6100 Series delivers fast, reliable and high quality prints at speeds of up to 155m² per hour. An extra-large, dual origin flatbed table with two independent vacuum zones allows for non-stop production of standard size 1.25 x 2.5 m boards with simultaneous printing and media loading/unloading.

Exceptional print quality

A new 6-colour Océ VariaDot™ imaging technology produces ink droplets from 6 to 42 picolitres resulting in superb image detail, smooth colour transitions and vivid, uniform solid colours. Light Cyan and Light Magenta are used for reliable printing at production print speeds, and improve the smoothness of quarter tone colours, like skin tones.

The print sharpness and print geometry over the entire flatbed is further enhanced by actively mapping the table and adjusting the pixel placement, called Active Pixel Placement Compensation.

Rigid media application versatility

A dedicated, true flatbed system, the Océ Arizona 6100 Series opens up a wealth of production possibilities. An extra-large 2.5 x 3.05 m vacuum table, designed to keep media and objects stationary during printing, offers optimal print quality and unrivalled versatility.
It supports the broadest range of rigid media applications including: printing on odd shaped, heavy, smooth or pre-cut rigid media; high value multi-layer applications; double-sided prints; large tiled prints over multiple boards; and edge-to-edge prints – all in perfect register and geometry and without hassle or mess.

The Océ Arizona 6160 XTS can easily be upgraded at any time to an Océ Arizona 6170 XTS by adding an additional ink channel for white ink support. An API (application programming interface) allows for easy integration with third-party automation systems for instance for automated media load/unload systems.

Unmatched reliability and ease-of-use

Pneumatic registration pins ensure quick, repeatable, easy loading of rigid media in perfect register every time. Combined with a high-flow vacuum system for effective pull-down of even warped rigid media, it takes only seconds to load the largest boards.

An innovative Automated Printhead Maintenance System provides completely hands-free printhead cleaning in less than 25 seconds per colour, ensuring consistent nozzle performance print after print.

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Specifications: Océ Arizona 6100-Series

	Océ Arizona 6160 XTS	Océ Arizona 6170 XTS
PRINTER		
Machine type	High-volume UV Flatbed printer	
Printing method	Piezoelectric inkjet	
Number of nozzles	6 x 636 nozzle printheads per channel, 6 colour channels, 22,896 nozzles in total	6 x 636 nozzle printheads per channel, 7 colour channels, 26,712 nozzles in total
Image technology	Océ VariaDot® grayscale imaging technology	
Print resolution	6-42 picolitres resulting in near-photographic image quality and perfect 6-pt text	
PRINT MODES - MAX M²/HR		
Express	155	
Production	100	
Quality	72	
INK SYSTEM		
Colours	Océ IJC261 UV curable inks: Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta in 3 litre, quick-exchange pouches	Océ IJC261 UV curable inks: Black, Cyan, Magenta, Yellow, Light Cyan, Light Magenta in 3 litre, quick-exchange pouches White in a 2 litre, quick-exchange pouch
SYSTEM DESIGN		
True Flatbed	True flatbed architecture designed and build for optimised printing on rigid or sheet media or objects	
Media size	2.50 m x 3.05 m x 50.8 mm	
Print area	2.51 m x 3.06 m, edge-to-edge printing (full bleed)	
GEOMETRIC ACCURACY		
Line width	±0.8 mm max error, measured over 2.5 m	
Line length	±1.0 mm max error, measured over 3.05 m	
Line straightness/width	0.7 mm max error, measured over 2.5 m	
Line straightness/length	0.7 mm max error, measured over 3.05 m	
Diagonal Error	1.0 mm max error, measured over 3.05 m x 2.5 m	
INTERFACE & SOFTWARE		
Interface type	10/100/1000Base-T	
Production Management Software	TBD	
Image Processing Software	ONYX® Thrive™ v11.1 or greater	
OPERATING ENVIRONMENT		
Electrical	Three-phase, 200-240 VAC 50/60Hz 30A (Delta) OR Three-phase, 347-415 VAC 50/60Hz 20A (Wye)	
Continuous Power Consumption	9.6 kW (max)	
Compressed Air (supplied by customer)	**Customer must provide pressure-regulated, clean, dry air by use of:** - Coalescing filter - Air regulator (set to 105 psi / 723 kPa) - ½ inch OD air tubing – connects air regulator to printer **Flow requirements:** - Pressure (max): 120 psi / 827 kPa - Peak flow: 340 l/m at 100 psi / 690 kPa - Continuous flow: 28l/m at 100 psi / 690 kPa	
Temperature	18˚ to 30˚ C	
Relative humidity	30-70%, non-condensing (certain media may require a smaller RH operating range)	
Room Ventilation	TBC	
Operating Altitude	2000 m	
Dimensions (printer only)	5.72 x 4.82 m	
Table height range (Min/Max)	0.895 to 0.915 m	
Overall height	1.48 m	
Weight (printer only)	1,815 kg	
CONSUMABLES		
mediaguide.oce.com	Visit our online guide to find the right media for your printer and application, including matching Océ color profiles	
OPTIONS & UPGRADE PATH		
Options	Colour Channel Upgrade - Add colour channel functionality to the printer at any time	None
Upgrade path	Field upgradeable to an Océ Arizona 6170 XTS model configuration - Adds White ink functionality for transparent, backlit and non-white media applications	None

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