

Océ | User manual



Arizona 350 XT

Supplement to User Manual Version 2.8



Océ Arizona 350 XT Printer

Introduction

The Océ Arizona 200/250/350 GT and 350 XT are four-color (CMYK, except the 350 GT and 350 XT, which also have a white ink option) flatbed inkjet printers capable of producing large format images on various rigid and flexible media. The printers consist of a flatbed vacuum table and moving gantry. The material is held flat and stationary on the vacuum table during printing. The gantry contains a carriage that sweeps across the table as the gantry moves in steps along the length of the table to print an image on the media. In addition to the benefits of stationary positioning, the use of UV ink technology on rigid material eliminates finishing processes such as mounting and lamination. A Roll Media Option is also available.



Note:

The Océ Arizona 350 XT must be operated in accordance with the environmental conditions specified in the Océ Arizona 200/250/350GT/350XT Site Preparation Guide and safety requirements noted in this document.

Illustration



[1] Arizona 350 XT Printer with Roll Media Option

Chapter 6

How to Operate the Océ Arizona 350 XT

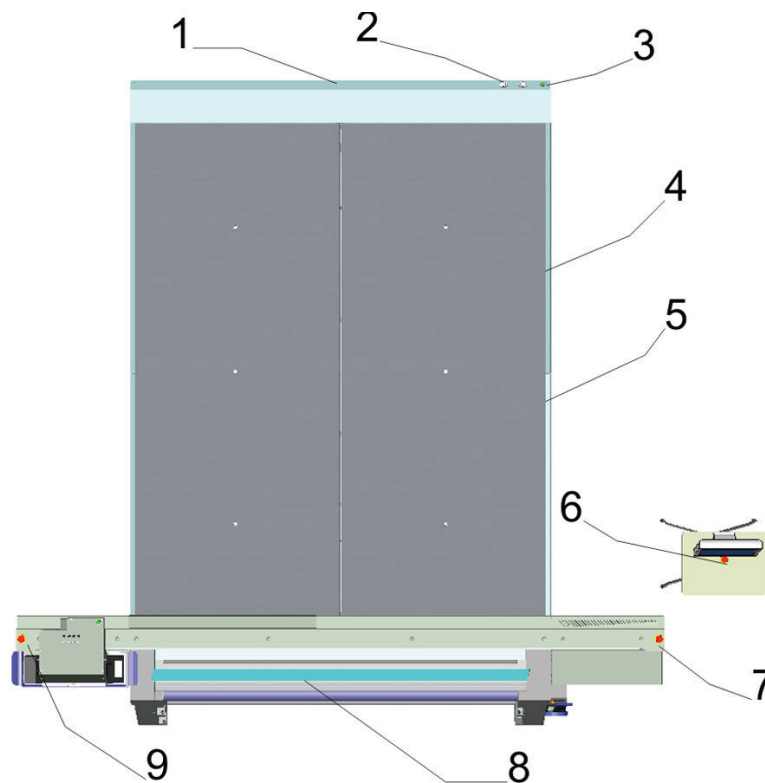


Océ Arizona 350 XT Specifications and Features

Introduction

The Océ Arizona 350 XT printer is a larger version of the 350 GT printer (in terms of table size). The Océ Arizona 350 XT printer uses the same gantry and carriage and shares the same electrical features as the 350 GT. However, the 350 XT version requires two single phase AC power circuits. The second circuit is dedicated to the two vacuum pumps. These two pumps provide vacuum for the three vacuum zones. These zones and how they are used are described in the next section.

Most of the features and specifications for the Océ Arizona 350 XT are the same as what is documented in this manual for the Arizona 350 GT. Any features and specifications unique to the Océ Arizona 350 XT are documented in this chapter. As with the 350 GT, a White Ink Option is available for under-printing on non-white media or objects, over-printing for backlit applications on transparent media and/or printing white as a spot color. Also a Roll Media Option is available for printing onto flexible media.



[61] Arizona 350 XT Hardware

Arizona 350 XT Hardware Description

Label	Hardware Description
1	Center Zone Vacuum Manual Valve
2	Vacuum Gauges for Zones 1 and 2
3	Print Start Button
4	Foot Switch 1 for Zone 1 and Center Zone
5	Foot Switch 2 for Vacuum Zone 2
6	Operator Control Station Emergency Stop
7	Gantry Emergency Stop
8	Roll Media Option
9	Carriage Emergency Stop

Definition

The Océ Arizona 350 XT is a four-color (CMYK, except when it includes the white ink option) flatbed inkjet printer capable of producing large format images on various rigid and flexible media. The printer consists of a flatbed vacuum table and moving gantry. The printer has same printing gantry as the other Arizona printers.

The Océ Arizona 350 XT printer supports media up to 2.50m x 3.05m (8.2 x 10 feet). This will allow printing on 2.5m x 3.05m media as well as multiple panels of 1.25m x 2.5m (4'x8') in size. For printing on multiple panels the table is designed such that two pieces of media can be mounted in separate vacuum areas of the flatbed table and while one is being printed, the other can be changed.

Maximum Media and Print Sizes

Maximum	Width	Length	Bleed
Media Size	2.50m (98.4")	3.05m (120.1")	n/a
Print Size	2.51m (98.8")	3.06m (120.5")	Allows a max. 5mm bleed, all edges

Features Unique to the Océ Arizona 350 XT

- True production print speed of 23 m² (248 ft²) per hour.
- The large flatbed table ships in two sections that are joined on-site, enabling easy installation.
- Table supports media up to 2.50m x 3.05m (8.2 x 10 feet)

Océ Arizona 350 XT Print Speeds

Flatbed print speeds in the table below are based on a maximum format size image. Note that roll media print speeds are the same on the 350 GT and the 350 XT.

Print Speeds for 350 GT and 350 XT - m²/hr(ft²/hr)

Print Modes	Mode Types	350 GT	350 XT
Production	Standard	22.2 (239)	23.0 (247)
Quality	Standard	15.2 (163)	15.7 (169)
	Matte	10.9 (117)	11.3 (122)
	Density	8.5 (91)	8.8 (95)
Fine Art	Standard	12.3 (133)	12.8 (137)
White 3 Layer	Backlit	5.1 (55)	5.2 (56)
	Day-Night	5.1 (55)	5.2 (56)
	Opaque	5.1 (55)	5.2 (56)
White 2 Layer	Backlit	7.6 (82)	7.8 (84)
	Opaque	7.6 (82)	7.8 (84)

How to Use the Océ Arizona 350 XT Vacuum System

Introduction

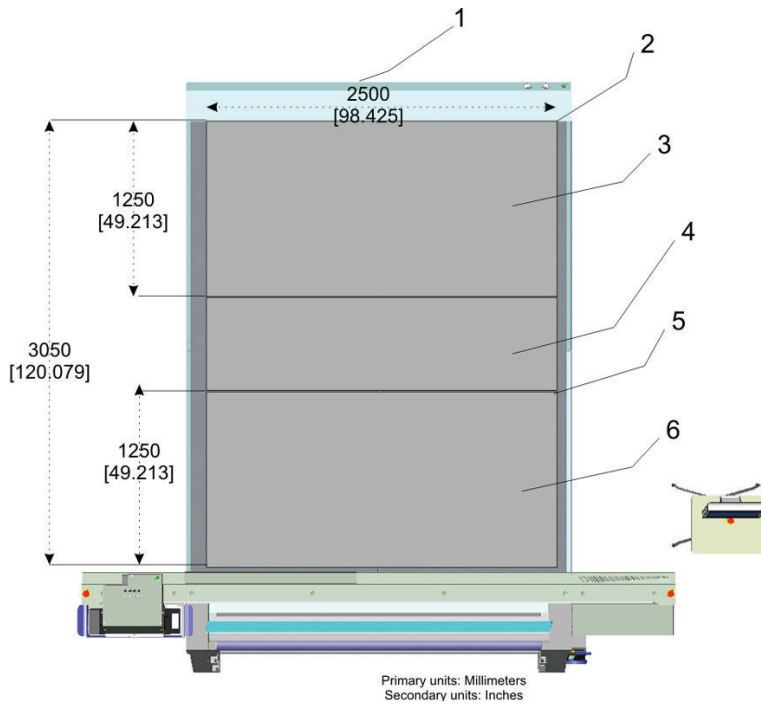
The Océ Arizona 350 XT uses a low-flow, high-vacuum system to secure rigid media for printing on the printer table. Three fabricated aluminum overlay sheets placed on the surface of the table create the vacuum field. Two vacuum pumps are used to evacuate the chamber of air between the sheets and the table. In order for the system to work effectively during printing all the circular pockets on the top surface of the overlay sheet connected to an active vacuum zone must be covered.

The table surface of the Océ Arizona 350 XT is divided into 3 vacuum zones. Two independent vacuum pumps provide vacuum to the table. Pump 1 provides vacuum to Zone 1 and the Center Zone. The operator can control vacuum flow to the Center Zone by way of a manual On/Off valve. Pump 2 provides vacuum to Zone 2. The independent control of the zones allows the operator to print in a 2-up configuration with minimal down time. For example you can remove a printed panel and register a new panel in Zone 1 while printing continues in Zone 2. In this case you would turn the Center Zone valve to the Off position.

The printer ships with a vacuum field configured to support the maximum allowable media size (European Configuration - 2.5 x 3.05 meters). At the time of installation (or later) the perimeter of the vacuum field may be reconfigured to the maximum media size for a North American installation (4'x8'), if necessary. Unlike the Océ Arizona 200/250/350 GT versions of the vacuum table, the Océ Arizona 350 XT does not have vacuum relief valves to adjust the vacuum, so it is either On or Off. Because of this lack

How to Use the Océ Arizona 350 XT Vacuum System

of relief valves, there is no possibility to create custom zones as you can with the other models.



[62] Arizona 350 XT Vacuum Zones - European Configuration
Océ Arizona 350 XT Vacuum System

Label	Description
1	Center Zone On/Off Valve
2	Print Origin 1
3	Zone 1
4	Center Zone
5	Print Origin 2
6	Zone 2

Purpose

The vacuum system holds the media in place on the printer table. The zones are arranged to accommodate common media dimensions. If a zone is activated, you must mask off any part of it that is not covered by the media. If an image is larger than a single zone, both vacuums must be On before you can print that image.

Before you begin

Vacuum must be On for the zone where media is placed before an image can be printed. Make sure all unused areas of an active vacuum zone are masked off.



Note:

Use the vacuum gauge to determine if a zone is properly masked. When the active zone is properly masked the gauge will read at 20 or higher. Small leaks can reduce this number and therefore the efficiency of the vacuum. Pourous media can also degrade the vacuum effect.



Attention:

If the vacuum gauge for an active zones reads below 5 and you have ensured that the area is properly masked and taped off, you may have a leak in the vacuum system. Place a service call only if you determine that the zone is correctly masked and the gauge reads consistently low.

How to Activate a Zone

1. Place the media on one or more of the three zones.
2. Mask off any part of the zone (or zones) not covered by the media with material of the same or less thickness and tape the edges down.



Note:

If the Center Zone is not occupied by media it can be turned Off with the manual valve located at the Zone 1 end of the printer.

3. Activate the zone (or zones) either with the icon on the command bar of the Print Job module or with the matched foot switch (1 or 2) on the floor.
4. Start the print job either with the Print icon on the command bar or with the Print Start Button located near the vacuum gauges.
5. Deactivate the zone with either the icon or the foot switch once the image is printed.
6. Remove the media.

