

# 2015 PRINT CAPABILITIES

## PROCESS: UV PRINTING

This state-of-the-art printing process uses ultra violet light to cure the ink onto a wide variety of rigid and flexible substrates. Once cured, the ink is bonded to the substrate and will not require lamination. UV ink, in conjunction with UV light, provides great longevity and vibrance to a multitude of graphic applications. Orbus uses standard finishing practices to complete pop-up panels, Orbital Truss graphics, Velocity, Formulate accent pieces, custom counters, backlit graphics, rigid signs & rollable detachable graphics. Our techniques include finishing graphics with 3 high-speed routers and applying magnets, velcro or other finishing hardware. Contour cutting is also included in the capabilities of our routing equipment. Please note UPS and FEDEX restrictions when placing orders for large graphics as some of them will be required to ship via trucking service (ex. 4' X 8' rigid graphics on plexiglass).



**PredStor:** UV Hybrid Flatbed  
Inks: CMYK Resolution: 1800dpi  
Location: Woodridge

### GENERAL INFORMATION:

Materials	Max. Width	Rollable/ Rigid Material	Product Capability	print:		location:		finishing:				
				Single Sided	Double Sided	Woodridge	Las Vegas	Grommets	Velcro	Magnet	Contour*	
22mil Opaque PVC (roll-to-roll)	54.5" width	Rollable Material	Mural Panels, Voyager, Hero, Horizon, EFEX, Orbital Truss, Case Wraps, Detachables	•	•	•	•	•	•	•	•	•
22mil Opaque PVC (flatbed)	4' X 8' width	Rollable Material	Mural Panels, Voyager, Hero, Horizon, EFEX, Orbital Truss, Case Wraps, Detachables	•	•	•	•	•	•	•	•	•
22mil Translucent PVC	4' X 8' width	Rollable Material	Backlit Mural Murals (ex. Coyote Tower, Bubble Panel), Backlit Detachables	•	•	•	•	•	•	•	•	•
11mil Melinex	50" width	Rollable Material	Premium Upgrade Retractable Banner Graphics	•	•	•	•	•	•	•	•	•
2mm, 3mm & 6mm White PVC	4' X 8'	Rigid Material	Accent Pieces (ex. Linear, Pulse/Vibe, Velocity, Formulate/Wave), Custom Signs	•	•	•	•	•	•	•	•	•
3mm & 10mm Coroplast	4' X 8'	Rigid Material	Outdoor Banners (ex. Rocket), Custom Outdoor Graphics	•	•	•	•	•	•	•	•	•
3/16" Foamboard	4' X 8'	Rigid Material	Custom Graphic Application	•	•	•	•	•	•	•	•	•
1/4", 1/2" & 1" Ultraboard/Gatorboard	4' X 8'	Rigid Material	Custom Graphic Application	•	•	•	•	•	•	•	•	•
3mm & 6mm Clear Plexiglass	4' X 8'	Rigid Material	Custom Graphic Application, Custom Exhibits	•	•	•	•	•	•	•	•	•
3mm & 6mm Clear PETG	4' X 8'	Rigid Material	Custom Graphic Application	•	•	•	•	•	•	•	•	•
3mm & 6mm Frosted Plexiglass	4' X 8'	Rigid Material	Custom Graphic Application	•	•	•	•	•	•	•	•	•
3mm & 6mm Milk Plexiglass	4' X 8'	Rigid Material	Custom Graphic Application	•	•	•	•	•	•	•	•	•
Adhesive Backed Vinyl (roll-to-roll)	54" width	Rollable Material	Custom Graphic Application, Applied to Panels on Custom Exhibit Booths	•	•	•	•	•	•	•	•	•

## PROCESS: DYE-SUBLIMATION

Between our two facilities, we have 11 cutting-edge fabric dye-sublimation printers. With 8 direct-to-fabric printers and 3 traditional dye-sublimation printers, we can accommodate a variety of commodity and custom projects. The direct-to-fabric printers (Retrojets, Teleios Grande G5 and Teleios GT) help us to eliminate print steps and create fast and efficient work flows for our commodity products. Graphics are printed directly onto coated materials and heat (185°C average) sets the dispersed dye ink inline. This high speed process produces vibrant four/six color output up to 3.2 meters wide. The main products produced using this technology include the hopups, Formulate backwalls, Vector frames, table throws, retractable banners, outdoor flags & fabric Orbital Truss graphics.

**Teleios G5:** Direct-to-Fabric  
Inks: CMYK Resolution: 1200dpi  
Location: Woodridge



The traditional dye-sublimation printers, Roland SJ-1045 EX, are used to print quality, high resolution graphics for our Xclaim line, custom tradeshow exhibits and Formulate hanging structures. This 2-step process requires printing on transfer paper and then sublimating the paper onto the desired fabric through the Monti heat press. The materials used for the 2-step process do not require a coating for the ink to bond.

All dye-sublimation fabric graphics must be finished to maintain shape and quality. Each facility has a dedicated team of seamstresses and sewing equipment to finish all fabric graphics. All graphics are tailored on frames to insure a proper fit.

### GENERAL INFORMATION:

Materials	Max. Width	Product Capability	print:		location:		finishing options:								
			Single	Double Sided	Woodridge	Las Vegas	Grommets	Pole Pockets	Hemmed	Serge Stitch	Pillowcase	Silicone Edges	Hot Knife	Velcro	
Power Stretch	120" width	Hopups, Vector Frame, Formulates, Pulse, Custom Tension Fabric	•	•	•	•	•	•	•	•	•	•	•	•	•
5oz. Soft Knit Material	120" width	Hanging Structures, Velocity, Custom Hanging Structures	•	•	•	•	•	•	•	•	•	•	•	•	•
8oz. Oxford	120" width	Premium Upgrade Banner Option, Orbital, Velocity, Custom Fabric Graphics & Custom Exhibits	•	•*	•	•	•	•	•	•	•	•	•	•	•
Display Polyester	120" width	Table Throws and Runners, Custom Table Throw Graphics	•	•	•	•	•	•	•	•	•	•	•	•	•
4oz. Outdoor Flag	120" width	Zooms, Wind Dancers, Blast, Custom Outdoor Flag Graphics	•	•*	•	•	•	•	•	•	•	•	•	•	•
2oz. Sheer	101" width	Velocity, Custom Exhibit Solutions	•	•	•	•	•	•	•	•	•	•	•	•	•
4oz. Satin	101" width	Custom Exhibit Solutions	•	•	•	•	•	•	•	•	•	•	•	•	•
Backlit Material	120" width	Backlit Custom Exhibit Solutions, Backlit Hopup	•	•	•	•	•	•	•	•	•	•	•	•	•
Super Stretch	101" width	Complex Fabric Structures & Stretch Table Throws	•	•	•	•	•	•	•	•	•	•	•	•	•
Agility	101" width	Xclaim Graphics	•	•	•	•	•	•	•	•	•	•	•	•	•

## PROCESS: SOLVENT/UV ROLL-TO-ROLL

This process uses durable, vibrant and flexible inks that promote strong adhesion and excellent longevity. With a robust resistance to fading and scratching, this printing is ideal for both indoor and outdoor applications. Additionally, there is no need for lamination making this process very affordable. Graphics printed for banner stands are trimmed down on the automatic Fotoba Dream Cutter and then mounted into the proper hardware. Our new Vutek GS3250lrx also allows us to print on Outdoor Canvas which is utilized for tents & a backlit material called Intensity, which is utilized for Vector frame Lightboxes.

**Vutek GS3250lrx:** UV Roll-to-Roll  
Inks: CMYK,LC,LM Resolution: 1200dpi  
Location: Woodridge



### GENERAL INFORMATION:

Materials	Max. Width	Product Capability	print:		location:		finishing:							
			Single Sided	Double Sided	Woodridge	Las Vegas	Grommets	Pole Pocket	Hem Edges	Silicone Edge	Velcro	Wind Slits	Contour	
13oz. FLATMAXX*	72" width	Telescopic, Retractable Banners, Custom Indoor Banners	•	•	•	•	•	•	•	•	•	•	•	•
20oz. Vinyl	126" width	Heavy Duty, Custom Indoor Banners	•	•	•	•	•	•	•	•	•	•	•	•
6.5oz. Outdoor Canvas*	120" width	Outdoor Tents, Custom Outdoor Banners	•	•	•	•	•	•	•	•	•	•	•	•
6.5oz. Intensity	120" width	Vectorframe Lightbox Graphics	•	•	•	•	•	•	•	•	•	•	•	•
13oz. Outdoor Scrim	126" width	Outdoor Custom Banners (ex. Spinnaker)	•	•	•	•	•	•	•	•	•	•	•	•
18oz. Outdoor Scrim**	126" width	Parkway Light Pole Banner, Custom Outdoor	•	•	•	•	•	•	•	•	•	•	•	•
7oz. Mesh	72" width	Outdoor Custom Banners (ex. Spinnaker)	•	•	•	•	•	•	•	•	•	•	•	•
Static Cling (Clear & Opaque)**	54" width	Custom Graphic Application, Repositionable Window Clings	•	•	•	•	•	•	•	•	•	•	•	•
Perforated Window Film**	54" width	Custom Graphic Application	•	•	•	•	•	•	•	•	•	•	•	•

\*\*Some of our solvent materials can also be printed on the Flatbeds. This is determined on an order by order basis depending on yield, color & production schedule.  
\*Double sided banners can be made with single sided materials such as 8oz. Oxford by printing 2 different pieces and sewing them together with an opaque liner.  
°Double sided pillowcase graphics can be made using 2-pieces of Power Stretch or 5oz. Soft Knit.



PORTABLE MODULAR

custom modular

TENSION FABRIC

SIGN SYSTEMS