

TrafficJet™ Pro

Description:

The TrafficJet Pro is based on the Vanguard VKR3200-HS and uses specially formulated UV-LED True Traffic Color Spot Inks distinctly manufactured and supplied to meet standard traffic colors. With the combination of these printers and spot color inks it is possible to digitally print Avery Dennison retroreflective and graphic sheetings.

TrafficJet Pro printers are available in the following configuration:

- True Traffic Color – Blue, Magenta, Yellow, Black, Green, and Red ink. This creates the ability to print process colors in addition to TrafficJet spot colors

Major advantages of this system include:

- Print speeds up to:
 - 680 sf/hr (63 sqm/hr) Dual Roll Setup
 - 475 sf/hr (43 sqm/hr) Single Roll Setup
- High Resolution Output (600x1200)
- Instant Lamination
- An automated system that adds capabilities and capacity
- Fast turn-around time from sign design to production
- Print short runs with little to no set-up and clean-up
- Print fine detail and easily include sign dating or other security features
- Print multi-colored signs in one pass
- Simultaneous printing of process and durable traffic colors

TrafficJet Pro Inks:

Color	Product Name	Available in
Yellow	TrafficJet Pro Yellow Ink UV-LED Ink	1 Liter Bottle
Black	TrafficJet Pro Black UV-LED Ink	1 Liter Bottle
Blue	TrafficJet Pro Blue UV-LED Ink	1 Liter Bottle
Green	TrafficJet Pro Green UV-LED Ink	1 Liter Bottle
Red	TrafficJet Pro Red UV-LED Ink	1 Liter Bottle
Magenta	TrafficJet Pro Magenta UV-LED Ink	1 Liter Bottle

Product Data Bulletin TrafficJet Print System

Reflective Solutions
7542 North Natchez Ave.
Niles, IL 60714

www.reflectives.averydennison.com



TrafficJet Pro True Traffic Color Spot Ink Printer Configuration:

The TrafficJet Pro printer ink configuration allows simultaneous printing of process colors and up to all regulated Traffic colors. Process colors are printed using Magenta with Spot Blue, Spot Yellow, and Spot Black. This allows the TrafficJet Pro printer to be able to print all available durable traffic colors - Black, Red, Blue, Green, Yellow, Brown, Purple, and Gray - while still being able to print graphical images using process colors. The unique availability of inks with the True Traffic Color configuration results in larger process color gamut than with CMYK alone, and is more durable.

Sheeting, Ink, and Overlay Compatibility and Warranty:

Traffic Sheeting with TrafficJet Pro UV-LED True Traffic Color Spot Inks

TrafficJet Spot Inks:	Avery Dennison TrafficJet Pro UV-LED True Traffic Color Spot Inks			
	Black, Red, Blue, Green, Yellow, Brown, and Worboy Green			
Overlay Film:	OL-1000 Anti-Graffiti & UV Film			
	OL-2000 UV Film			
Retroreflective Films: Approved for TrafficJet digital printing and corresponding warranty period	Sheeting Type	Sheeting Color	Warranty w/ OL-1000 (Years)	Warranty w/ OL-2000 (Years)
	T-11000 OmniCube	White, Yellow, FY, FYG	15	12
	T-9000 OmniView	White, Yellow, FY, FYG	12	12
	T-7000 MVP	White, Yellow, FY, FYG	12	10
	T-6000 HIP	White, Yellow	12	10
	T-2000 PEG	White, Yellow	7	7
	T-1500D EG	White, Yellow	7	7

Work Zone Sheeting with TrafficJet Pro UV-LED True Traffic Color Spot Inks (Black Ink Only)

TrafficJet Spot Inks:	Avery Dennison TrafficJet Pro UV-LED True Traffic Color Spot Inks		
	Black		
Overlay Film:	Not required for temporary work zone signs using TJ03 TrafficJet Black ink only		
Retroreflective Films: Approved for TrafficJet digital printing and corresponding warranty period	Sheeting Type	Sheeting Color	Warranty (Years)
	W-11000 OmniCube	FO	3
	W-9000 OmniView	FO	3
	W-7000 MVP	FO	3
	W-6000 HIP	White, Orange	3
	W-2000 PEG	Orange	3

**Product Data Bulletin
TrafficJet Print System**

Reflective Solutions
7542 North Natchez Ave.
Niles, IL 60714

www.reflectives.averydennison.com



Traffic Sheeting with Process Color Printing

TrafficJet Inks:	Avery Dennison TrafficJet Pro UV-LED True Traffic Color Spot Inks		
Overlay Film:	OL-1000 Anti-Graffiti & UV Film OL-2000 UV Film		
Retroreflective Films: Approved for TrafficJet digital printing and corresponding warranty period	<u>Sheeting Type</u>	<u>Sheeting Color</u>	<u>Warranty (Years)</u>
	T-11000 Omnicube	White	10
	T-9000 OmniView	White	10
	T-7000 MVP	White	10
	T-6000 HIP	White	10
	T-2000 PEG	White	3
	T-1500D EG	White	3

TrafficJet and Process Color Ink Warranty:

Avery Dennison TrafficJet Pro UV-LED inks are the only inks guaranteed to meet the reflectivity, color, and durability requirements for permanent traffic applications and temporary work zone control devices when applied to Avery Dennison retroreflective sheeting and carry the warranty period listed in the tables above when used with the appropriate overlay. Users may find satisfactory results with other inks and inkjet systems, but warranty coverage is not provided by Avery Dennison and use of other inks and inkjet system may void any existing equipment warranty.

TrafficJet Pro UV-LED Ink Performance:

Signs produced with compatible sheeting, ink, and overlay will meet the following requirements, as applicable to each color and sheeting type:

- Daytime luminance factor (Y%) shall meet Table 2 of ASTM D4956
- Daytime color must meet the specification color limits of Table 11 of ASTM D4956
- Nighttime color must meet the specification color limits of Table 13 of ASTM D4956
- Coefficient of retro-reflection shall meet 70% of the values of ASTM D4956 for the respective sheeting types

Product Data Bulletin TrafficJet Print System

Reflective Solutions
7542 North Natchez Ave.
Niles, IL 60714

www.reflectives.averydennison.com



TrafficJet Pro UV-LED Ink Physical Properties:

Printing Temperature Range	68°F (20°C) to 89°F (32°C) - Required 72°F (22°C) to 86°F (30°C) – Ideal for warranted applications
Printing Humidity Range	40% to 60% R.H.
Storage Conditions	65° - 75°F (18° - 24°C) and 50% ± 5% R.H.
Sheeting and Overlay Shelf Life	Sheeting and overlay films have a one year shelf life, from the date of delivery, when stored at the above conditions.
Ink Shelf Life	<u>TrafficJet Spot Ink</u> One year shelf life from the date of manufacturing* when stored at the above conditions. *Expiration dates are printed on the ink cartridge.
Other Tests:	Meets all other requirements set forth in ASTM D 4956 and EN12899 including shrinkage, flexibility, liner removal, adhesion, impact resistance, specular gloss and outdoor weathering.

Application Guidelines:

The recommended procedure to apply and convert the sign is as follows:

1. Print the sign on the Avery Dennison sheeting using the recommended software and printer settings.
2. If the sign is a Construction Work Zone sign with a 3 year warranty, no OL-2000 or OL-1000 application is required when printed with TrafficJet Black TJ03.
3. If this is a permanent sign requiring a 7, 10, or 12 year warranty, an OL-2000 or OL-1000 overlamination is required to ensure color durability and reflectivity. Overlay lamination must be performed on a laminator.

Application & Conversion Information:

The TrafficJet Pro Print System must be operated in a clean, enclosed, well ventilated room away from high traffic. This will help prevent dust and debris from damaging the print heads, and keep contaminants off of the sheeting surface before printing.

Onsite installation of the TrafficJet Pro Print System will be done by an Avery Dennison service technician upon arrival of printer shipment. Please contact your Avery Dennison Sales and/or Technical representative for additional assistance with system settings, and be sure to follow the manufacturer's recommendations for machine operation. Any deviation from the manufacturer's recommendations may void Vanguard and Avery Dennison warranty.

Find the latest information on the Avery Dennison Reflectives website, www.reflectives.averydennison.com.

**Product Data Bulletin
TrafficJet Print System**

Reflective Solutions
7542 North Natchez Ave.
Niles, IL 60714

www.reflectives.averydennison.com



Finished Sign Mounting & Orientation:

As with all Avery Dennison retroreflective sheetings, uniquely designed omnidirectional prisms eliminate the need for datum marks to reference when cutting sign legend or orienting sheeting on the substrate. Users will experience uniform retroreflective appearance regardless of orientation on the substrate.

The above Avery Dennison literature provides information to the user for proper application, storage, and other requirements. Please refer to Product Data Bulletins or your local Avery Dennison Representative for warranty information. Find the latest information on the Avery Dennison website, www.reflectives.averydennison.com. We encourage you to check our website periodically for updates.

All statements, technical information and recommendations about Avery Dennison products are based upon tests and information believed to be reliable but do not constitute a guarantee or warranty of any kind. All Avery Dennison products are sold with the understanding that Purchaser has independently determined the suitability of such products for its intended and other purposes.

**Product Data Bulletin
TrafficJet Print System**

Reflective Solutions
7542 North Natchez Ave.
Niles, IL 60714

www.reflectives.averydennison.com

