

# FLEXIBLE PACKAGING SOLUTIONS



- Shorten Time to Market with On-Demand Solution
- Easily Accommodate Individualized or Seasonal Packaging
- Sustainable & Recyclable Materials
- Natura™ Ink - Safer for Food Labeling, yet Durable for All Applications
- Easily Integrates into Inline Packaging Machine
- High-Quality - Surpasses Traditional Printing Methods
- Minimal Waste



## Flexible packaging is made from pliable material that can be filled, sealed, and retains an element of flexibility.

### Flexible Packaging Benefits:

- Less material is used to create flexible packaging, creating less waste and therefore, is more environmentally friendly
- Less water and energy is utilized in the creation of flexible packaging resulting in products weighing less, reducing transportation costs, and energy waste
- Helps ensure food safety
- Prolongs shelf life
- Easily print on materials that can be heated, frozen, resealed, etc.



## TrojanLabel® T2-L

World's first narrow web digital flexible packaging press the TrojanLabel T2-L allows for short-run custom designs, variable data, or high volume production. Research shows that when product packaging is specifically tailored to a product or industry, the appeal increases, ultimately helping sell products right off the shelf. The T2-L is suited for businesses, manufacturers, and even commercial printers to expand their product lines to grow their businesses.

- Ideal for short runs of individualized or seasonal packaging
- Capable of running all size print jobs short-runs to 24/7 production
- Seamless print and pack solution that easily accommodates variable data

Designed with inline heat-sealable cold lamination and static eliminator, the T2-L is the first of its kind designed to accommodate a wide range of custom flexible packaging solutions. Using Natura™ inks, the T2-L delivers superior print quality onto flexible packaging using cost-effective water-based inks that are safer for food labels, saving you money over the life of the printer.



## Safer for you, Safer for food labels, Safer for the environment

Natura™ inks are durable and safer for foods, delivering exceptionally durable labeling designed to be 3x more resistant to the effects of water than similar inks. Providing 3x more lightfastness on both glossy and matte coated media for inkjet printing, Natura inks deliver outstanding print performance while reducing the cost per label.



# AstroNova Approved Sihl ARTYSIO Packaging Product Portfolio



Grade		5402	5403	5404	5412	5413	5443
<b>Film Structure</b> (from outer to sealing layer)		AQPET-w/PO-t	AQPET-w/PO-t	AQPET-wmPO-t	AQPP-w/PO-t	AQPP-w/PO-t	AQPET-w/ALPO-t
<b>Grammage</b> (total in µm)		65	65	65	94	94	113
<b>Coloring</b>	outside	white	white	white	white	white	white
	Inside	white	white	metallised	white	white	metallised
<b>Barrier Properties</b>	WTR DIN 53122 (73.4°F/85% r.W.)	2,3 0.15 US	2,3 0.15 US	0,2 0.013 US	0,5 0.032 US	0,5 0.032 US	0
	OTR DIN 53380-3 (73.4°F/dry)	68 4.4 US	68 4.4 US	0,2 0.013 US	488 31 US	488 31 US	0
<b>Recyclability</b>							
		Other	Other	Other	PP	PP	Other
<b>Flex Crack Resistance</b>	Sihl Testing Method	✓	✓	✓	✓ ✓	✓ ✓	✓
<b>AQ-Inkjet Printability</b>	Dye & Pigmented ink	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
<b>Sealability</b>	Heat & Ultrasonic	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
<b>Packing Machinability</b>	VFFS		●	●		●	●
	HFFS	●			●		
	Cereals	●	●		●	●	
	Chocolate	●	●		●	●	
	Confectionary	●	●		●	●	
	Nuts			●			
	Coffee						●
	Tea	●	●	●			
	Herbs & Spices			●			
<b>End-User Markets</b>	Petfood Dry			●			●
	Detergents		●	●		●	

**Direct Food Compliance** All Sihl ARTYSIO packaging grades are made for direct food contact. However, please ask for a compliance declaration for your specific application.

**Note** A protective varnishing or laminate for cover the printed surface is recommended. All end-use recommendations are first indications and have to be qualified within your specific application.

### Nomenclature

good ✓ superb ✓ ✓


### Barrier Properties Definitions

WTR Water Transmission Rate  
OTR Oxygen Transmission Rate



# TrojanLabel T2-L Specifications


## Operation

<b>Ink</b>	 High Performance water-based dye ink Four 2-liter tanks CMYK
<b>Resolution</b>	1600 x 1600 dpi full color
<b>Speed</b>	Print only: 6 ips (9 m/min) or 12 ips (18 m/min) Print and laminate: 6 ips (9 m/min)
<b>Print Area</b>	Width: 2" – 8.76" (51 mm – 222.5 mm) 0.4" (10 mm) – 60" (1525 mm) or unlimited stitched
<b>Media Sensors</b>	Optical tracking edge sensor Adjustable position Black mark sensor Gap sensor and continuous
<b>Connectivity</b>	802.3 LAN (10/100) Ethernet Port
<b>Driver</b>	Microsoft® Windows 10, 8, 7, Windows Server® 2012, 2008, 64/32-bit drivers
<b>Software</b>	TrojanControl Software RIP

## Environment & Physical

<b>Conditions for Operation</b>	Between 68° F to 95° F (20° C to 35° C) recommended, at RH 22 to 80% (non-condensing)
<b>Conditions for Storage</b>	Between 23°F and 122°F (between -5°C and +50°C) at RH up to 85%, non-condensing at 149°F (65°C)
<b>Power Requirements</b>	100-240V AC – 50/60 Hz
<b>Power Consumption</b>	400W (at peak operation)
<b>Dimensions</b>	59" L x 36" W x 62" H (1500 mm x 916.5 mm x 1591 mm)
<b>Touchscreen</b>	15.6" touchscreen
<b>Weight</b>	1036 lbs. (470 kg) without ink and label rolls
<b>Lamination Components (Load &amp; Apply)</b>	15.9 lbs. (7.2 kg) without supplies
<b>Optional Accessories</b>	Slitter for die-cut labels (3 knives) (not when the lamination module is installed) Exit feeder for inline placement RIP workflow/ Color management software Label designer software (manage variable data)

## Supplies

<b>Ink Tanks</b>	 Natura ink: High performance, water- based dye inks with extra wide color gamut that produces true-to-life color when combined with AstroNova approved media
<b>Label Width</b>	2"– 9.65" (51 mm – 245 mm)
<b>Label Length Die-Cut</b>	0.6"– 60" (15 mm – 1525 mm)
<b>Thickness</b>	4pt/mil – 12 pt/mil
<b>Roll Size</b>	Core: 3" (76 mm) Max. OD: 24" (600 mm)
<b>Types</b>	Paper, Wine material, Inkjet coated gloss paper, PE, PET, PP, ARTYSIO Flexible Packaging

## Print Quality

<b>TrojanRIP</b>	Optimized color match Global or specific color adjustment Easy color replacement Ability to make impositions
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## Maintenance

<b>Maintenance Cartridge</b>	Maintenance tray with replaceable modules (wiper roller/print head cap)
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## Warranty

<b>Printer</b>	12 Month Manufacturer's Parts & Labor Warranty (excludes wear parts and supplies)
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## Lamination

<b>Lamination Roll Size</b>	Max Diameter: 12" (300 mm) Core: 2.8" – 3.1" (72 mm – 80 mm) Width: 1.1" – 9.6" (30 mm – 245 mm)
<b>Max. Roll Diameter</b>	11.8" (300 mm)
<b>Width</b>	1.1"– 9.8" (30 mm – 250 mm)
<b>Lamination Type</b>	Cold lamination, Heat-sealable
<b>Conditions for Operation</b>	Between 0-50° at up to RH 70%

**Note:** Optional slitters cannot be mounted when the lamination kit is installed.

## CONTACT US TO LEARN MORE

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