AstroNova®

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.

natura ink

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.

Sihl ARTYSIO Packaging Product Portfolio

SIHL

Grade		5402	5403	5404	5412	5413	5443
Film Structure (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
Grammage (total in µm)		65	65	65	94	94	113
Coloring	outside	white	white	white	white	white	white
	Inside	white	white	metallised	white	white	metallised
Barrier Properties	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
Recyclability		♻ 7 Other	♻ 7 Other	♻ 7 Other	♻ 5 PP	♻ 5 PP	♻ 7 Other
Flex Crack Resistance	Sihl Testing Method	✓	✓	✓	✓ ✓	✓ ✓	✓
AQ-Inkjet Printability	Dye & Pigmented ink	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
Sealability	Heat & Ultrasonic	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓
Packing Machinability	VFFS		●	●		●	●
	HFFS	●			●		
End-User Markets	Cereals	●	●		●	●	
	Chocolate	●	●		●	●	
	Confectionary	●	●		●	●	
	Nuts			●			
	Coffee						●
	Tea	●	●	●			
	Herbs & Spices			●			
	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

interseroh zero waste solutions

Certificate Made for Recycling

Sihl GmbH

We hereby confirm the recyclability of the following packaging: ARTYSIO Packaging 5413 NW P&P PP DM VFFS 97 W

Test result **very good recyclability** **20 of 20 points**

2 of 2
6 of 6
12 of 12

Test criteria
Assignability to the collection system
Sortability of the packaging
Suitability for mechanical recycling
and the provision of secondary products

Testing standard: Criteria and evaluation methodology of the bifa Umweltinstitut GmbH, tested by the Fraunhofer Institute for Process Engineering and Packaging (Fraunhofer IVV), last updated: June 2018

This certificate no. 1611 is valid until 28-03-2021 (two years after issue). Any change in the packaging components will render this certificate invalid. Cologne, dated 29-03-2019

Evaluation methodology developed by bifa Umweltinstitut GmbH

TrojanLabel T2-L Specifications

Operation

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

Environment & Physical

Conditions for Operation	Between 68° F to 95° F (20° C to 35° C) recommended, at RH 22 to 80% (non-condensing)
Conditions for Storage	Between 23°F and 122°F (between -5°C and +50°C) at RH up to 85%, non-condensing at 149°F (65°C)
Power Requirements	100-240V AC – 50/60 Hz
Power Consumption	400W (at peak operation)
Dimensions	59" L x 36" W x 62" H (1500 mm x 916.5 mm x 1591 mm)
Touchscreen	15.6" touchscreen
Weight	1036 lbs. (470 kg) without ink and label rolls
Lamination Components (Load & Apply)	15.9 lbs. (7.2 kg) without supplies
Optional Accessories	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

Ink Tanks	natura ink	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
Label Width		2"– 9.65" (51 mm – 245 mm)
Label Length Die-Cut		0.6"– 60" (15 mm – 1525 mm)
Thickness		4pt/mil – 12 pt/mil
Roll Size		Core: 3" (76 mm) Max. OD: 24" (600 mm)
Types		Paper, Wine material, Inkjet coated gloss paper, PE, PET, PP, ARTYSIO Flexible Packaging

Print Quality

TrojanRIP	Optimized color match Global or specific color adjustment Easy color replacement Ability to make impositions

Maintenance

Maintenance Cartridge	Maintenance tray with replaceable modules (wiper roller/print head cap)

Warranty

Printer	12 Month Manufacturer's Parts & Labor Warranty (excludes wear parts and supplies)

Lamination

Lamination Roll Size	Max Diameter: 12" (300 mm) Core: 2.8" – 3.1" (72 mm – 80 mm) Width: 1.1" – 9.6" (30 mm – 245 mm)
Max. Roll Diameter	11.8" (300 mm)
Width	1.1"– 9.8" (30 mm – 250 mm)
Lamination Type	Cold lamination, Heat-sealable
Conditions for Operation	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

trojanlabel@astronovainc.com
www.trojanlabel.com
1 877-757-7978 | 1 401-828-4000

TrojanLabel®
An AstroNova Company

Powered by **memjet**®