

FlexPackPRO[®]

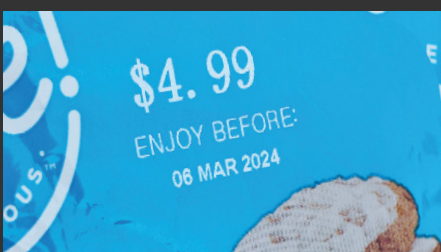
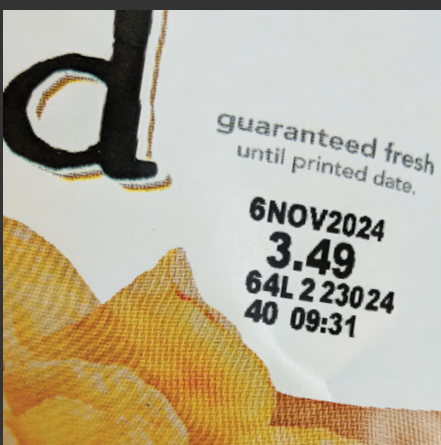
MARKING & CODING SOLUTIONS



PRODUCT GUIDE

HIGH-PERFORMANCE CODING
WITHOUT COMPROMISE

WWW.MARVELMARKING.COM



PREMIUM MARKING AND CODING SYSTEMS BUILT BY INDUSTRY EXPERTS.

Every system we build is the culmination of over 25 years of dedicated marking and coding print technology experience. We know what it takes to deliver the highest-quality, most reliable print performance in any packaging environment.

The 130 Series // 32mm TTO Models

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Specialty Systems // Traversing TTO & Unwind-Rewind Systems

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130 SERIES

32mm TTO CODERS

- 32mm (1.3") wide, 300dpi Printhead
- Continuous & Intermittent Motion
- Perfect for "small footprint" expiration dates and lot codes
- Economical digital upgrade from hot stamp printers and roller coders
- Recommended for both packaging machines and labelers



MODEL SERIES	130i.S	130i.XL	130c.S	130c.XL
PRINTER MODE	Intermittent		Continuous	
MAX PRINT AREA	32 mm x 76 mm		32 mm x 125 mm / 250 mm / 500 mm (3 Options Available)	
WIDTH X LENGTH	1.3" x 3"		1.3" x 5" / 9.84" / 19.68"	
PRINT RESOLUTION	300 dpi		300 dpi	
MAX PRINT SPEED	500 mm/s (19.7 in/s)		1,000 mm/s (39.4 in/s)	800 mm/s (31.5 in/s)
PRINT GAP	0.5 mm (0.02")		0.5 mm (0.02")	
STANDARD RIBBON WIDTH	35 mm (1.4")		35 mm (1.4")	
MAX RIBBON LENGTH	680 m (2,230')	1,000 m (3,280')	680 m (2,230')	1,000 m (3,280')
RIBBON SAVER FEATURES	Yes		Yes	
RIBBON LOADING	Integrated Cassette		Integrated Cassette	
STANDARD	Color Touchscreen		Color Touchscreen	
SOFTWARE	ProCode™ Professional		ProCode™ Professional	
BARCODES	All		All	
STANDARD	USB, Ethernet, RS232		USB, Ethernet, RS232	
PRINTER DIMENSIONS	180 mm x 220 mm x 222 mm	180 mm x 265 mm x 237 mm	180 mm x 220 mm x 222 mm	180 mm x 265 mm x 237 mm
HEIGHT X WIDTH X DEPTH	7.09" x 8.66" x 8.74"	7.09" x 10.43" x 9.45"	7.09" x 8.66" x 8.74"	7.09" x 10.43" x 9.45"
PRINTER WEIGHT	9.4 kg (20.7 lbs)		8.9 kg (19.6 lbs)	9.4 kg (20.7 lbs)
POWER SUPPLY	100 - 240 VAC, 50 - 60 Hz		100 - 240 VAC, 50 - 60 Hz	
AIR SUPPLY	4 bar / 58 psi (max)		4 bar / 58 psi (max)	
OPERATING TEMPERATURE	1° - 55° C (34° - 131° F)		1° - 55° C (34° - 131° F)	



210 SERIES

53mm TTO CODERS

- 53mm (2.1") wide, 300dpi Printhead
- Continuous & Intermittent Motion
- Highest-speed performance for heavy volume applications
- Superior, cost-effective replacement for other brands of 53mm TTO
- Broadest variety of models, from entry-level to industrial

MODEL SERIES	210i.S		210i.XL	210c.S	210c.XL
PRINTER MODE	Intermittent			Continuous	
MAX PRINT AREA	53 mm x 76 mm / 125 mm (2 Options Available)		53 mm x 76 mm	53 mm x 125 mm / 250 mm / 500 mm (3 Options Available)	
WIDTH X LENGTH	2.1" x 3" / 5"		2.1" x 3"	2.1" x 5" / 9.84" / 19.68"	
PRINT RESOLUTION	300 dpi			300 dpi	
MAX PRINT SPEED	500 mm/s (19.7 in/s)			1,000 mm/s (39.4 in/s)	800 mm/s (31.5 in/s)
PRINT GAP	0.5 mm (0.02")			0.5 mm (0.02")	
STANDARD RIBBON WIDTH	55 mm (2.2")			55 mm (2.2")	
MAX RIBBON LENGTH	680 m (2,230')		1,000 m (3,280')	680 m (2,230')	1,000 m (3,280')
RIBBON SAVER FEATURES	Yes			Yes	
RIBBON LOADING	Integrated Cassette			Integrated Cassette	
STANDARD	Color Touchscreen			Color Touchscreen	
SOFTWARE	ProCode™ Professional			ProCode™ Professional	
BARCODES	All			All	
STANDARD	USB, Ethernet, RS232			USB, Ethernet, RS232	
PRINTER DIMENSIONS	180 mm x 220 mm x 233 mm / 180 mm x 248 mm x 265 mm		180 mm x 248 mm x 265 mm	180 mm x 220 mm x 233 mm	180 mm x 248 mm x 265 mm
HEIGHT X WIDTH X DEPTH	7.09" x 8.66" x 9.17" / 7.09" x 9.76" x 10.43"		7.09" x 9.76" x 10.43"	7.09" x 8.66" x 9.17"	7.09" x 9.76" x 10.43"
PRINTER WEIGHT	9.4 kg (20.7 lbs) / 11 kg (24.3 lbs)		10.5 kg (23.1 lbs)	8.9 kg (19.6 lbs)	10.5 kg (23.1 lbs)
POWER SUPPLY	100 - 240 VAC, 50 - 60 Hz			100 - 240 VAC, 50 - 60 Hz	
AIR SUPPLY	4 bar / 58 psi (max)			4 bar / 58 psi (max)	
OPERATING TEMPERATURE	1° - 55° C (34° - 131° F)			1° - 55° C (34° - 131° F)	

420 SERIES

107mm TTO CODERS

- 107mm (4.2") wide, 300dpi Printhead
- Continuous & Intermittent Motion
- Print larger combinations of codes, logos, text and graphics
- Excellent option for printing variable ingredients and nutrition panels
- Up to 4.2" x 10" print area



MODEL SERIES	420i.S	420i.XL	420c.S	420c.XL
PRINTER MODE	Intermittent		Continuous	
MAX PRINT AREA	107 mm x 76 mm / 125 mm (2 Options Available)	107 mm x 76 mm	107 mm x 125 mm / 250 mm / 500 mm (3 Options Available)	
WIDTH X LENGTH	4.2" x 3" / 5"	4.2" x 3"	4.2" x 5" / 9.84" / 19.68"	
PRINT RESOLUTION	300 dpi		300 dpi	
MAX PRINT SPEED	400 mm/s (15.8 in/s)		600 mm/s (23.6 in/s)	
PRINT GAP	0.5 mm (0.02")		0.5 mm (0.02")	
STANDARD RIBBON WIDTH	110 mm (4.3")		110 mm (4.3")	
MAX RIBBON LENGTH	680 m (2,230')	1,000 m (3,280')	680 m (2,230')	1,000 m (3,280')
RIBBON SAVER FEATURES	Yes		Yes	
RIBBON LOADING	Integrated Cassette		Integrated Cassette	
STANDARD	Color Touchscreen		Color Touchscreen	
SOFTWARE	ProCode™ Professional		ProCode™ Professional	
BARCODES	All		All	
STANDARD	USB, Ethernet, RS232		USB, Ethernet, RS232	
PRINTER DIMENSIONS	180 mm x 220 mm x 303 mm / 180 mm x 265 mm x 303 mm	180 mm x 220 mm x 303 mm	180 mm x 220 mm x 303 mm	
HEIGHT X WIDTH X DEPTH	7.09" x 8.66" x 11.93" / 7.09" x 10.43" x 11.93"	7.09" x 8.66" x 11.93"	7.09" x 8.66" x 11.93"	
PRINTER WEIGHT	11.6 kg (25.6 lbs) / 12.6 kg (27.8 lbs)	11.6 kg (25.6 lbs)	11.1 kg (24.5 lbs)	
POWER SUPPLY	100 - 240 VAC, 50 - 60 Hz		100 - 240 VAC, 50 - 60 Hz	
AIR SUPPLY	4 bar / 58 psi (max)		4 bar / 58 psi (max)	
OPERATING TEMPERATURE	1° - 55° C (34° - 131° F)		1° - 55° C (34° - 131° F)	



500 SERIES

128mm TTO CODERS

- 128mm (5" wide), 300dpi Printhead
- Continuous & Intermittent Motion
- Largest Available TTO Print Area (5" x 8")
- Fit logos, barcodes, date codes, ingredients, nutrition statements and more in one template

MODEL SERIES	500i.S	500c.S
PRINTER MODE	Intermittent	Continuous
MAX PRINT AREA	128 mm x 125 mm	128 mm x 200 mm
WIDTH X LENGTH	5.1" x 5"	5.1" x 8"
PRINT RESOLUTION	300 dpi	
MAX PRINT SPEED	300 mm/s (11.8 in/s)	400 mm/s (15.8 in/s)
PRINT GAP	0.5 mm (0.02")	
STANDARD RIBBON WIDTH	130 mm (5.1")	
MAX RIBBON LENGTH	680 m (2,230')	
RIBBON SAVER FEATURES	Yes	
RIBBON LOADING	Integrated Cassette	
STANDARD	Color Touchscreen	
SOFTWARE	ProCode™ Professional	
BARCODES	All	
STANDARD	USB, Ethernet, RS232	
PRINTER DIMENSIONS	180 mm x 220 mm x 323 mm	
HEIGHT X WIDTH X DEPTH	7.09" x 8.66" x 12.71"	
PRINTER WEIGHT	13.2 kg (29.1 lbs)	12.7 kg (28 lbs)
POWER SUPPLY	100 - 240 VAC, 50 - 60 Hz	
AIR SUPPLY	4 bar / 58 psi (max)	
OPERATING TEMPERATURE	1° - 55° C (34° - 131° F)	

THE FINEST REGIONAL REPRESENTATION

More than 200 professional marking and coding sales engineers and technicians across the country make sure your experience with FlexPackPRO® brand TTO equipment is nothing short of exceptional.

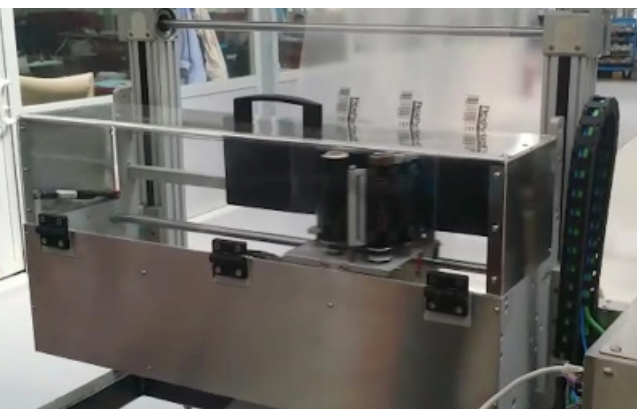
We've got you covered.



TRAVERSING TTO

TTO PRINTERS FOR MULTI-LANE PRINTING & CODING

Available with a 32mm (1.36"), 53mm (2.1"), 107mm (4.2"), and 128mm (5.1") wide printhead, the FlexPackPRO® Traversing TTO system prints high-resolution codes, text and graphics on multi-lane packaging machines.



Perfect for thermoform, fill and seal machines requiring multiple images across the packaging film web, these units print up to 40" across in one sweep.

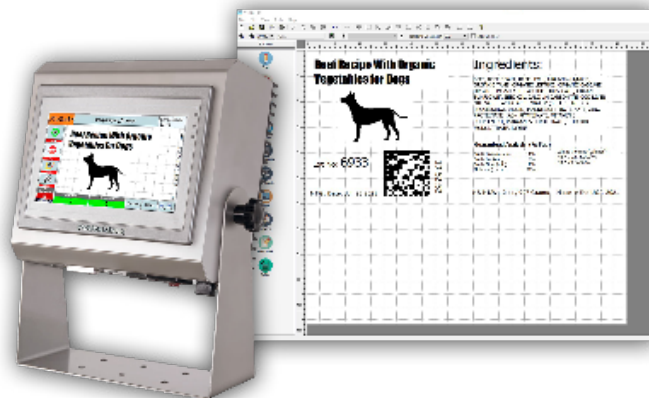


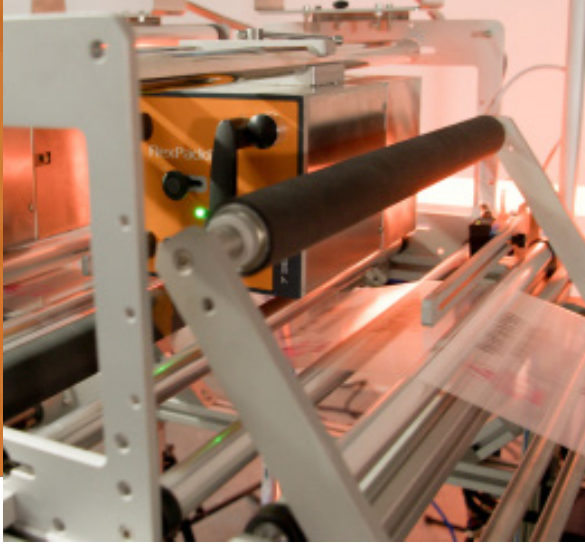
Available with both standard and X-Y motion (multi-row) mounting systems.

AVAILABLE MODELS

130c.TR-400	32mm (1.3") x 400mm (15.75") PRINT AREA
130c.TR-600	32mm (1.3") x 600mm (23.6") PRINT AREA
210c.TR-400	53mm (2.1") x 400mm (15.75") PRINT AREA
210c.TR-600	53mm (2.1") x 600mm (23.6") PRINT AREA
420c.TR-400	107mm (4.2") x 400mm (15.75") PRINT AREA
420c.TR-600	107mm (4.2") x 600mm (23.6") PRINT AREA
500c.TR-400	128mm (5.1") x 400mm (15.75") PRINT AREA
500c.TR-600	128mm (5.1") x 600mm (23.6") PRINT AREA

**ALL UNITS INCLUDE OUR
DURABLE, USER-FRIENDLY STAINLESS STEEL
TOUCHSCREEN CONTROLLERS!**





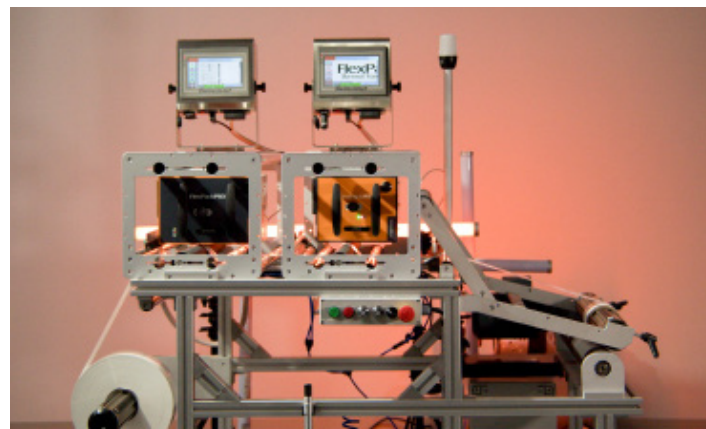
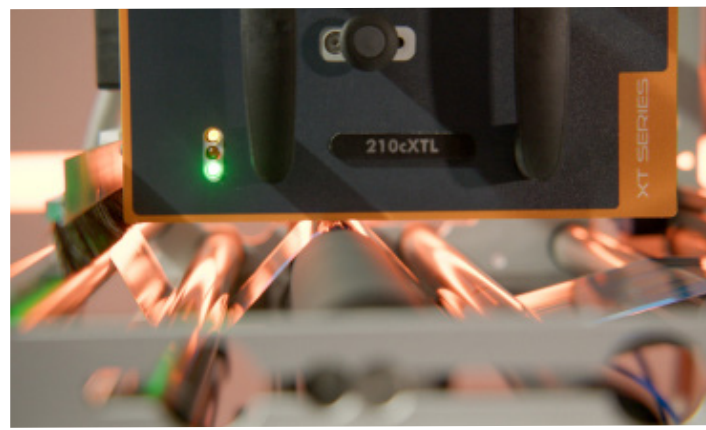
TTO-MOUNTED UNWIND-REWIND SYSTEMS

Capable of accommodating film rolls of up to 450 or 650mm wide, the FLEX makes it easier than ever to reduce preprinted flexible packaging inventory with a custom built, TTO-mounted, high-speed unwind-rewind system. One or two individual printers are mounted in brackets and can be positioned to print variable information, graphics and barcodes at different locations across the web of the roll, allowing you to customize generic packaging film on-demand.

**IN ADDITION TO FLEXIBLE
PACKAGING, YOU CAN PRINT
ROLLS OF PRESSURE
SENSITIVE LABEL STOCK
AND TAG STOCK TOO!**



Virtually anything that comes on a 3" I/D roll and has a suitable surface can be printed with high resolution barcodes, text and graphics.



AVAILABLE PRINTER MODELS FOR MOUNTING

130c

32mm (1.3") x 250mm (10") PRINT AREA

420c

107mm (4.2") x 250mm (10") PRINT AREA

210c

53mm (2.1") x 250mm (10") PRINT AREA

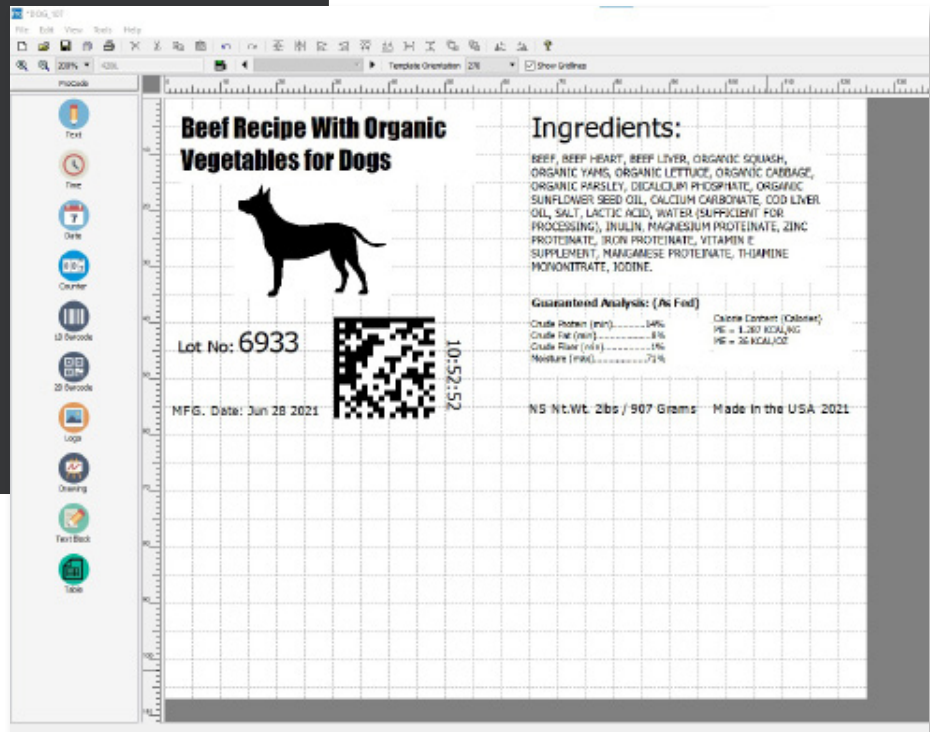
500c

128mm (5") x 200mm (8") PRINT AREA

THERMAL INKJET SOLUTIONS ALSO AVAILABLE - SEE PAGE 9 FOR DETAILS

ProCode™ PROFESSIONAL

*FlexPackPRO's full-featured
coding design software,
ProCode™
Professional,
is included
free-of-charge
with every
FlexPackPRO®
TTO System.*



Our feature-rich,
user-friendly, Windows®-based
software enables you to easily
create everything you'll need in
your package coding environment.

From standard expiration dates and lot codes, to linear and 2-dimensional barcodes, to high-resolution logos and graphics, ProCode™ does it all. Compatible with other software too.

**BUILT
TO LAST.**



*Our equipment is so rugged and reliable, we back every
sale with a full 12-Month Warranty. Our engineers insist
on using only the highest-grade materials and components,
and our vertical manufacturing protocol ensures the tight-
est compliance to specifications. The end result?*

LESS DOWNTIME.

RUN MULTIPLE TTO PRINTERS ALL FROM ONE CONTROLLER



WITH

FlexPackPRO®

WE MAKE EFFICIENCY EASY

*CONTACT US TODAY TO START
SIMPLIFYING AND SAVING ON YOUR
TTO MARKING & CODING*

- UP TO EIGHT TTO PRINTERS OF THE SAME MODEL CAN BE RUN FROM ONE CONTROLLER
- WORKS WITH INTERMITTENT OR CONTINUOUS UNITS
- STAINLESS STEEL CONTROLLERS FEATURE 10.1" FULL-COLOR TOUCHSCREENS, WITH 1280*800 PIXEL RESOLUTION
- CONNECTIONS VIA USB, ETHERNET (LAN, WIFI), OR RS232/485 SUPPORTED

ALSO AVAILABLE

FLEX_{tij}
CHANGING THE GAME™

THERMAL INKJET PRINTERS

AND

RESIN-BASED INKS

FLEX_{tij}™ Thermal Inkjet printing systems have been designed to deliver advanced, dynamic flexible printing options that keep up with the constantly shifting demands of traceability requirements and the ever-changing advancements in flexible packaging substrates and

EXPERIENCE THE FLEX_{tij} DIFFERENCE

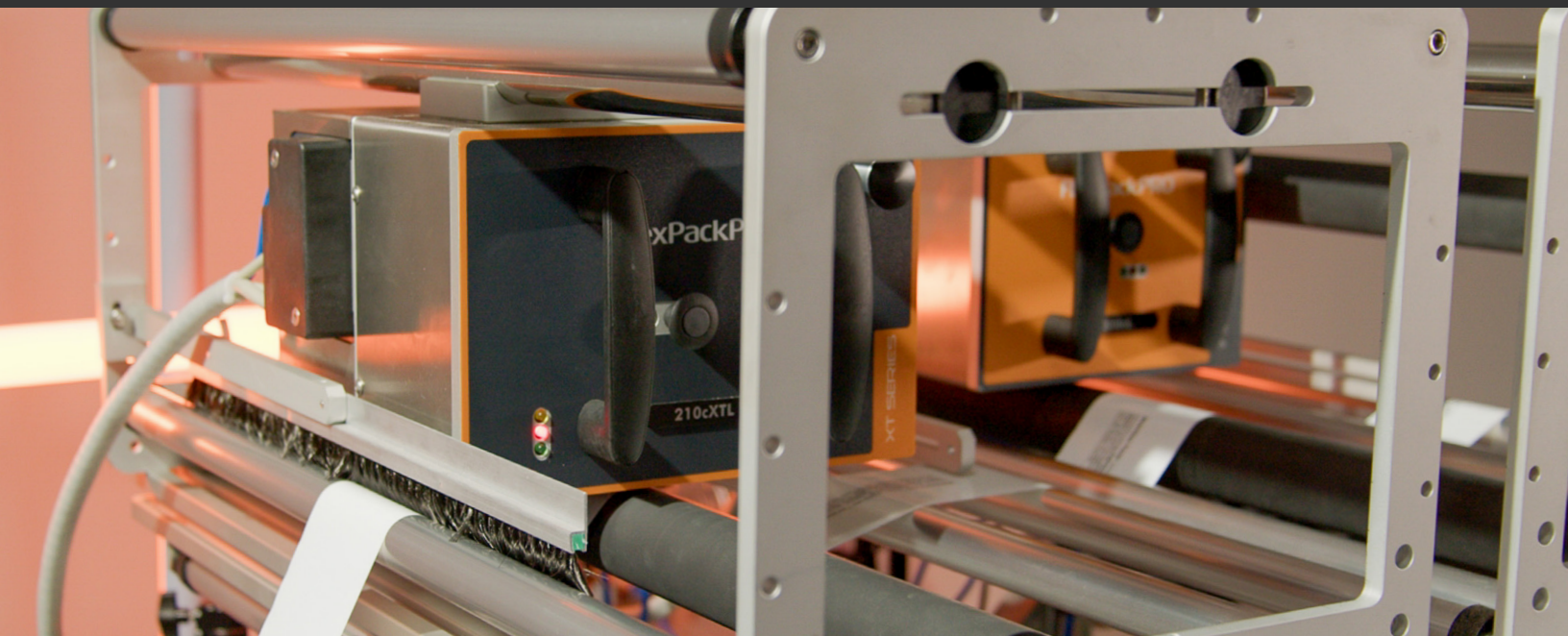
- + PRECISION CODING AT EXTRAORDINARY SPEEDS
- + HIGH-RESOLUTION PRINTING ONTO CARTONS, POUCHES & MORE
- + EXTREME RELIABILITY
- + TREMENDOUS BUILD QUALITY
- + LOWER COST OF OWNERSHIP
- + MORE UPTIME
- + USER-FRIENDLY
- + DURABLE RESIN INK FORMULATIONS

FLEX_{PRINT}
THERMAL CONSUMABLES

○ SUPERIOR QUALITY AT A TERRIFIC VALUE

FLEX_{PRINT}™ Thermal Transfer Ribbons & Printheads are guaranteed to deliver superior print quality on the broadest number of materials. Engineered to exceed the performance of other TTO brands, FLEX_{PRINT}™ has your Best-in-Class ribbon & printhead solutions for PouchMark®, FlexPackPRO®, Markem-Imaje®, Videojet®, and other leading TTO brands.





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