



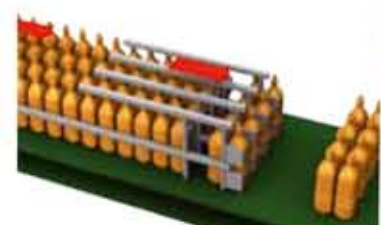
- ▶ High speed
- ▶ Multi formats
- ▶ Communication by print registered film
- ▶ Modular design
- ▶ Automatic film-reel changeover without seal by Dual Injection System (DIS®)

Your products are in good hands

T S
R A N G E
S h r i n k - w r a p p i n g
w i t h o u t S e a l i n g B a r

Product collation

Pneumatic selection channels (CLP)



- ▷ Perfect product guiding by lock chamber system
- ▷ All types of products and collations
- ▷ Quick and easy size changeovers, without change parts
- ▷ Economic solution for average speeds

Diagonal infeed system (CCO®)

Patented system



- ▷ Compact single file solution avoiding lane distribution
- ▷ Continuous infeed for optimum product and label protection
- ▷ Lateral pin-gating system adapted to each collation
- ▷ Handling of special-shaped products (ovoid, square with rounded corners, etc.)

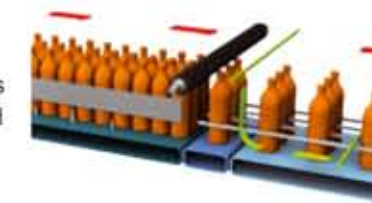
Pin-gating selection (SDI)



- ▷ Removable cassette adapted to each format
- ▷ Simple to use, no adjustments
- ▷ Economic solution for a limited number of formats
- ▷ Mechanical system with simplified maintenance
- ▷ Product conveying system specially suited to unstable products

Regulated flow system (SFR)

New development, patented system



- ▷ Unique adjustable system
- ▷ Product size range: 0.25l to 3l
- ▷ Accurate adjustments thanks to the servo-driven cassette
- ▷ Reduction in size changeover time (changeovers managed via PC, no change parts)

Product lapping and film shrinking

Principle



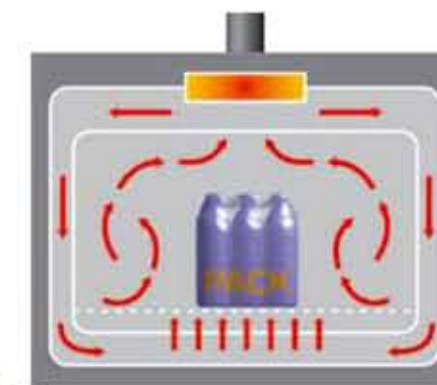
- ▷ The film is fed in by injection or by using a vacuum depending on the product characteristics and the speed
- ▷ Perfect synchronization of products and film
- ▷ Film lapped around the batch
- ▷ Both ends are overlapped under the pack
- ▷ Photocell to detect print registered film in single, dual or triple lanes (option)

Film handling

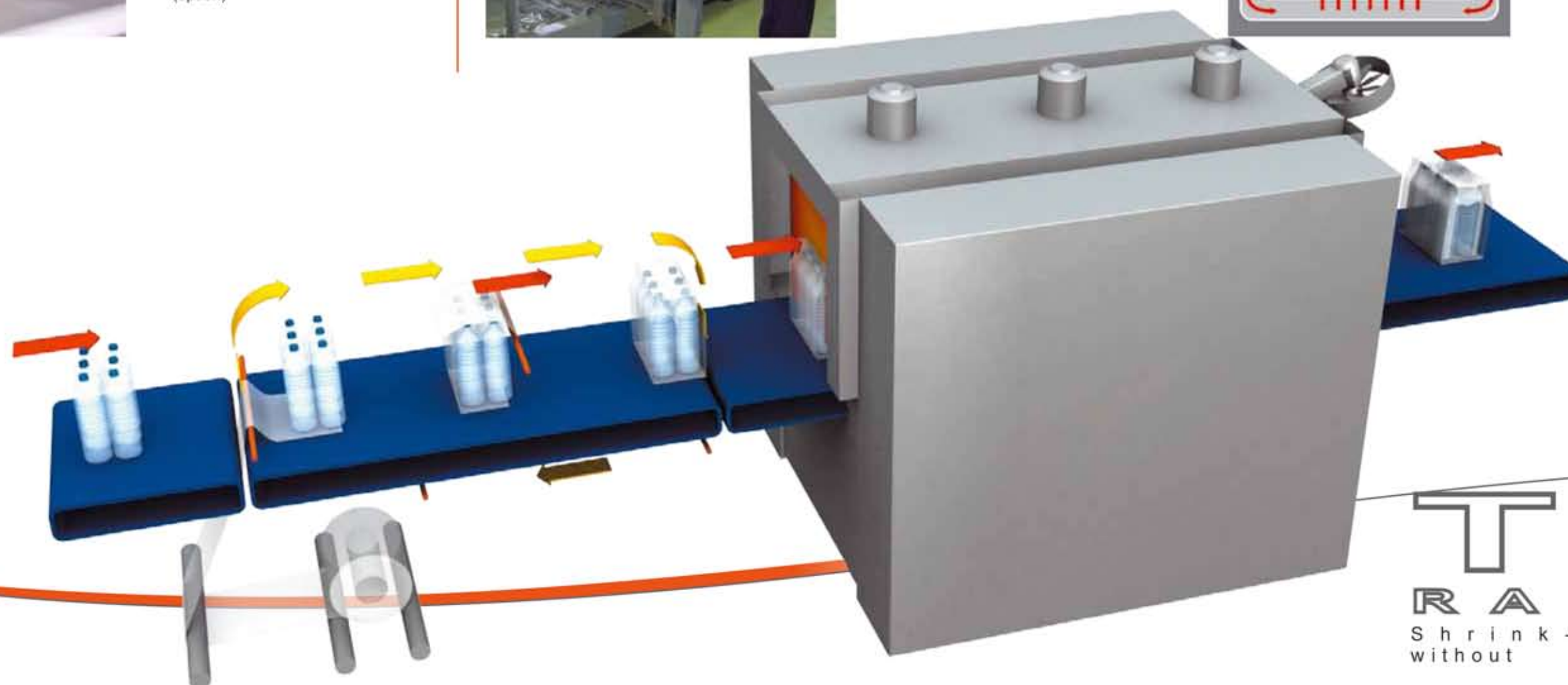


- ▷ Retractable injection table to enable quick and easy tool-free control and maintenance
- ▷ Positive servo-driven film feeding system
- ▷ Film guided under the batch and cut on the fly
- ▷ Anti-static generator and bars to neutralize electric charges and guarantee optimal protection

Shrink tunnel



- ▷ Air circulation optimized to improve shrinking and the quality of the finished pack
- ▷ Improved insulation to reduce power consumption
- ▷ No impairment of products, even with frozen food
- ▷ Electronic temperature regulator



T S
R A N G E
 Shrink - wrapping
 without Sealing Bar

OPTIONS

Modularity and versatility

Modular design facilitating the integration of additional equipment

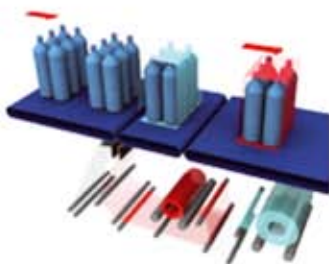
- ▷ System to position products on a cardboard support prior to filming (tray, flat board or U-board)
- ▷ Product stacking modules
- ▷ Leaflet insertion device



Dual Injection System (D.I.S.®)

Patented system

- ▷ Automatic film reel changeover without stopping the machine
- ▷ Operator presence not required
- ▷ Film preparation during concurrent operations
- ▷ Reduction in upstream accumulation



Easy-open pack

Film perforation system to tear the pack open more easily

- ▷ Pack remains rigid
- ▷ Effortless opening
- ▷ No reduction in speed



FILM DETAILS

- ▷ Saving in cost and time
- ▷ Protection
- ▷ Transparency and collation
- ▷ Easy transit and storage
- ▷ Type of film: low density polyethylene (LDPE)
- ▷ Film thickness: from 30 to 80 microns

TSP

Speed	Model	Infeed			Flat board/ tray	Dual Injection System	Dual film reel holder
		Standard	Alternative	Dual lane			
Up to 20 cycles/min	TSP 1	CLP	CPF	○	○	○	
Up to 40 cycles/min	TSP 2	CLP	SDI/CCO/SFR	○	○	○	
Up to 55 cycles/min	TSP 3	SDI	CLP/CCO/SFR	○	○	●	
Up to 75 cycles/min	TSP 4	SDI	SFR	○	○	●	
≥ 75 cycles	TSP 5	SDI	SFR	○	○	●	

TSM

Speed	Model	Infeed			Flat board/ tray	Dual Injection System	Dual film reel holder
		Standard	Alternative	Dual lane			
Up to 20 cycles/min	TSM 1	CLP	CPF	●	○	○	
Up to 40 cycles/min	TSM 2	CLP	SDI/CCO/SFR	●	○	○	
Up to 55 cycles/min	TSM 3	SDI	CLP/CCO/SFR	●	○	●	
Up to 75 cycles/min	TSM 4	SDI	SFR	●	○	●	
≥ 75 cycles	TSM 5	SDI	SFR	●	○	●	

Standard ●
Option ○

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