

## Data Sheet for RoRo StretchPack<sup>®</sup> - XL Simplex Family

Machine Information	ID	XL Simplex			XL Power Simplex		
		S1	S2	S3	S1	S2	S3
Number of Film Units and film roll sizes		1	2	3	1	2	3
Position of film		To the Left or Right side of the conveyor					
Max. stretching forces		1.000 kg			2.000 kg		
<b>Capacity examples @ transport speed 600 mm/s, product height 800 mm, product width 1.200 mm, 15% stretch</b>							
Capacity (@L:6000 mm) 100% sealed		< 60 packs / hour					
Capacity (@L:2400 mm) 100% sealed		<85 packs / hour					
Capacity (@L:1200 mm) 100% sealed		<100 packs / hour					
Capacity (@L:600 mm) 100% sealed <sup>1)</sup>		<110 packs / hour					
Capacity (@L:1200 mm) open ends		<120 packs / hour					
Higher packaging capacity		Optional: multiple packaging per movement by adding Semi Flow, Ropex and high-speed equipment					
Capacity (@L:2400 mm) 100% sealed		<120 packs / hour			<150 packs / hour <sup>2)</sup>		
Capacity (@L:1200 mm) 100% sealed		<190 packs / hour			<205 packs / hour <sup>2)</sup>		
Capacity (@L:600 mm) 100% sealed <sup>1)</sup>		<235 packs / hour <sup>1)</sup>			<280 packs / hour <sup>1) + 2)</sup>		
		On request more packaging capacity examples can be supplied.  <sup>1)</sup> products below L:1200mm must have an extra conveyor built into the RoRo machine or a pusher to secure safe passage through the packaging machine.			On request more packaging capacity examples can be supplied.  <sup>1)</sup> products below L: 1400mm must have an extra conveyor built into the RoRo machine or a pusher to secure safe passage through the packaging machine.  <sup>2)</sup> @ max 80µ film, allowing sufficient length of film on grippers.		

### Specifications

Power connection	3 x 400 Volt + N + PE 63 Amp fuses					
Power consumption (standby)	330W					
Power consumption per packaging cycle (incl. standby consumption)	~0,03kWh					
Air consumption per packaging cycle	250 – 300 litres					
Operating temperature	Min. 0°C – Max 35°C Forced and filtered air flow in electrical cabinet Optional: Above 35°C with Air Con in electrical cabinet					
Tentoma's scope of supply	RoRo machine, safety fencing, and packaging options. Optional: Transport solution with in-feed and out-feed belt, V-shape, roller, or chain conveyors and pusher for short products.					
Configuration & layout support	Yes					
Drawings available in DWG	Yes					
Transport / conveyor height standard	650mm					
Transport / conveyor height above 650 mm	Optional with extra height extensions					
Machine Dimension, mm	L: 3.755 H:2.730			L: 3.755 H:2.730		
Machine dimensions Width, mm	5.542	7.542	9542	5.542	7.542	9542
Machine components in general	Globally available and acclaimed brands like Festo, Sick, SEW, Siemens					
PLC	Siemens Serie 1500 with safety module. Programmed in TIA Portal					

### Ergonomics

Operation	Fully automatic (excl. film roll exchange)
Noise level	Low (product & stretch level dependant)
MMI / HMI	Intuitive software and 12" Siemens colour touch display
Automatic product identification	Parameters pre-set in machine or optional 3D-bridge integration

Product dimensions for product to be packaged	XL Simplex			XL Power Simplex		
	S1	S2	S3	S1	S2	S3
Product width	300 – 1.380mm			300 – 1.380mm		
Product height	10 – 1.385mm			10 – 1.385mm		
Product circumference (L+H) x 2 with stretched film <sup>3)</sup>	750 – 5.200mm			750 – 5.200mm		
Product length, @ W: 1.200mm, H: 800mm and applying 40µ PE-film	300 <sup>4)</sup> - 10.000mm			300 <sup>4)</sup> -19.000mm		
Product length, @ W: 1.200mm, H: 800mm and applying 80µ PE-film	300 <sup>4)</sup> – 8.000mm			300 <sup>4)</sup> – 16.000mm		
Product length, @ W: 1.200mm, H: 800mm and applying 100 µ PE-film	300 <sup>4)</sup> – 6.700mm			300 <sup>4)</sup> – 13.500mm		
Other lengths	On request more length examples can be supplied					
<sup>4)</sup> Short product constraints	Packaging of products L: 300 – 425mm requires moving out-feed conveyor to prevent short products from tilting at outfeed. Packaging of products L: 425 – 1.200mm requires a pusher or built-in conveyor in the packaging machine to secure safe passage through the machine.					
<sup>3)</sup> Products with tight packaging	Minimum handleable film circumference is 750mm. It is possible to package products with smaller circumference, but it will be with a loose film.					

### Sealing Options

100 % sealed	Six-sided enclosure. 100 % Water resistant and protected against contamination
< 100 % sealed	Four- or five-sided enclosure (1 or 2 open ends), or low- or high-level PE-film perforation
Including pallet, underlayer, beams	Possible – the gap between in- and out-feed conveyor must be closed
Including wood / metal frame	Possible

### Stretch Film Info

Film type	Standard Tubular Stretch Hood Low-Density Polyethylene (LD-PE)	
Thickness (flat film without gusset)	30 - 120µ	30 - 120µ
Stretchability	20 – 120%	
Film Roll width max. mm	2.200mm	2.200mm
Film circumference	750 – 4.200mm	750 – 4.200mm
Load stability	Higher PE-film thickness results in higher load stability	
Puncture way and resistance	Excellent	
Tear resistance	Excellent	
Product surface temperature	Max 60 °C (when applying film on product)	
COF (friction coefficient)	< 0,25	
Blow up ratio (during production)	Recommended blow up ratio between 2,5 and 4 during film production	
Anti-slippery function	Optional (glue or friction film)	
UV-blocking	Optional: Product Protection against UV deterioration	
UV-protection	Optional: Film Protection against UV deterioration	
Logo and branding options	Integrated in film or/and as add-on process.	
Film supplier	Locally or regionally available	
Film supplier qualification	According to Tentoma test and validation procedures. List available <a href="#">here</a>	
Recycled content	PE-Film can contain 0-50% recycled PE-film	
Recyclable	100%	

**Film Roll Data**

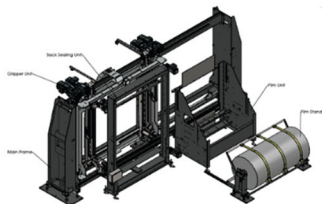
Roll diameter	Max. Ø: 800mm (optional active film stand allowing Ø: 1000mm)
Roll core diameter, mm	Standard Ø: 76mm. Optional: Ø: 152mm
Roll exchange time	3 - 5 minutes

**Certification**

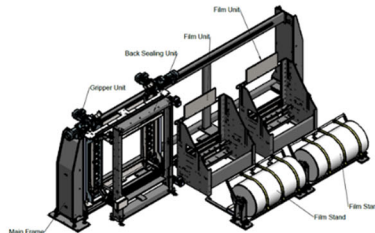
EU Declaration of Conformity	In accordance with EC Machine Directive 2006/42/EC Encl. II, Annex A
IPR (Intellectual Property Rights)	Patents on key technical solutions

**XL Simplex family with one, two or three Large Film units oriented to the left and right**

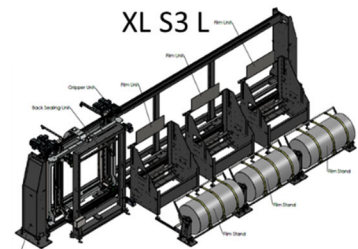
XL S1 L



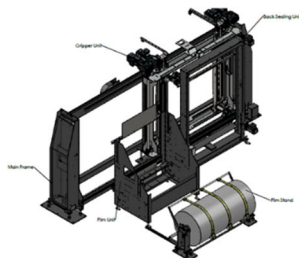
XL S2 L



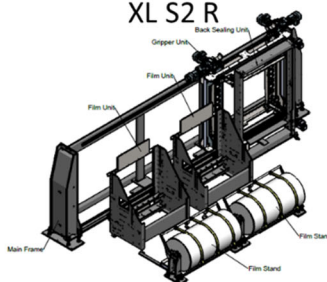
XL S3 L



XL S1 R



XL S2 R



XL S3 R

