

Our Technical Expertise: 100 Years of Know-How and High Standards

In a rapidly changing market, we constantly develop new belting solutions.

Our Know-How

Reveyron has an extensive background in producing and fabricating light conveyor belts. Our expertise, knowledge of raw materials and production processes guarantee products of high quality.

In addition, our flexibility and know-how allow us to fabricate tailor-made belts for specific application processes.

Research & Development

We anticipate our customers' needs and thus develop and create new products.

Close relationships with suppliers enable us to co-develop our own raw materials to suit your needs. Our goal is to constantly improve technical properties and performances of our belts.

High Performance Calender Lines for TPU Coating

Our two calender lines generate considerable synergies in the production of conveyor belts.

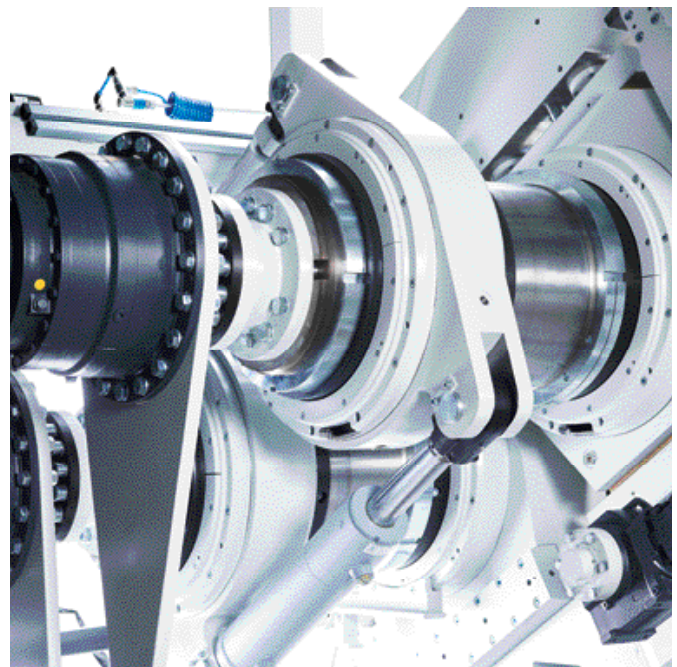
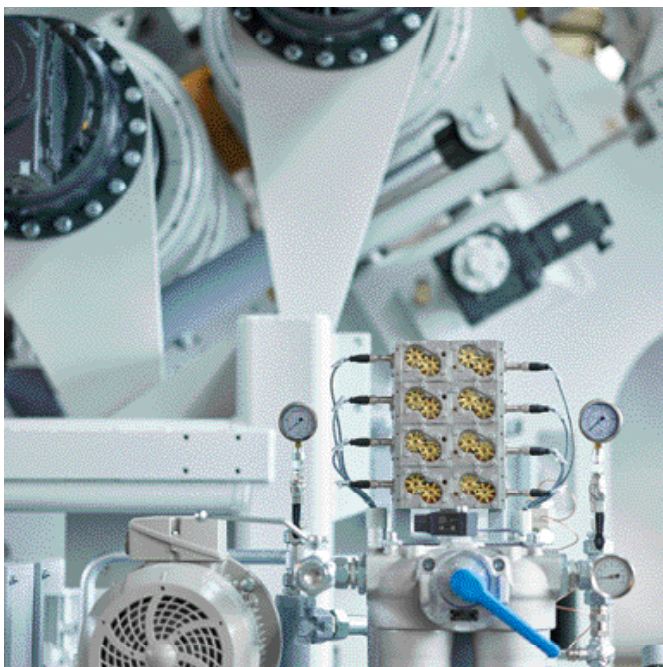
Our first line, using a unique powder-coating process, produces a large product range of technical PU belts.

The second line, using state-of-the-art technologies, is a key investment for Reveyron and allows the calendaring of high performance TPU's in the width of up to 3 meters (118 in). Those two lines combined provide flexibility, adaptability and a large production capacity in order to respond even more effectively to the technical specifications that our clients demand.

Our fabrication units can fulfill all types of fabrication requests. In our modern facilities, we can:

- splice; using punching equipment and presses up to 3 m width (118 in),
- weld profiles, tracking guides, and Compart™ sidewalls,
- weld cleats/flights, using high frequency machines,
- seal/cap edges (FPS),
- apply mechanical belt fastener/lacing in metal or plastic materials.

In our metal fabrication and assembly unit, we produce machinery such as belt bend conveyors, slitting machines and other types of equipment.



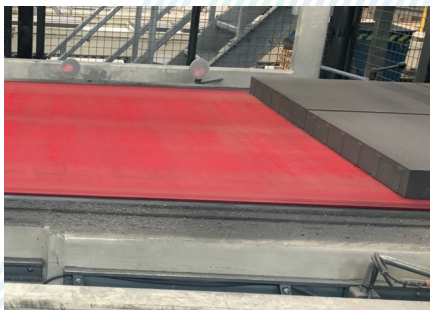
Polyurethane Belts

Our polyurethane belts for a better future

Industries evolve. Reveyron TPU belts contribute to substantial savings and optimised industrial processes.

Our TPU belts are an essential component to providing absolutely safe food.

Also, with 100% polyurethane technology, we take care of the environment.



Conveying concrete blocks

Optimal Industrial Processes

Reveyron belts offer optimal dimensional stability and perfect tracking: no shrinkage, elongation, cupping and other deformations.

Due to their robust construction, Reveyron belts withstand demanding mechanical design requirements.

- Controlled maintenance of conveying systems
- Secure conveying of heavy duty items
- Longer preventive maintenance intervals
- Unplanned downtimes avoided

Boost Productivity and Performance

Great mechanical resistance, such as to abrasion and to cuts, makes our TPU conveyor belt systems last longer for an extended service life.

Energy savings are also made due to a lighter belt structure and superior mechanical properties.

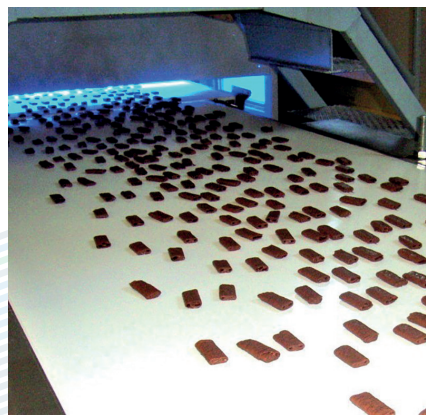
Designing highly efficient and high performing belt conveyors is made easy.

- Lighter design of conveyors
- Longer service life
- Saving energy and reducing waste



Troughed belt: grated potatoes

- No toxic migration into the product
- Large reduction of micro-organic development
- Efficient and quick cleaning of belts
- Real commitment towards respecting the environment



Chocolates, conveyed from a cooling tunnel

Safe Food

Reveyron TPU is a naturally inert raw material, without additives or plasticisers. No migration is possible, as it does not react with the food.

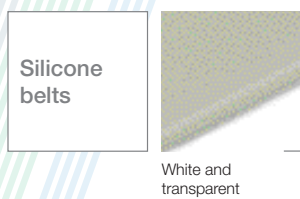
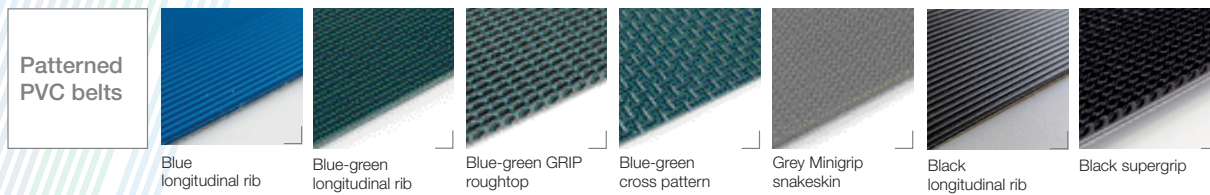
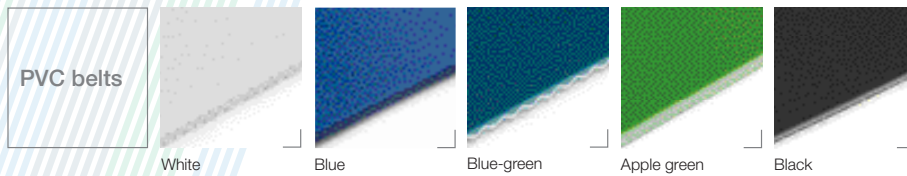
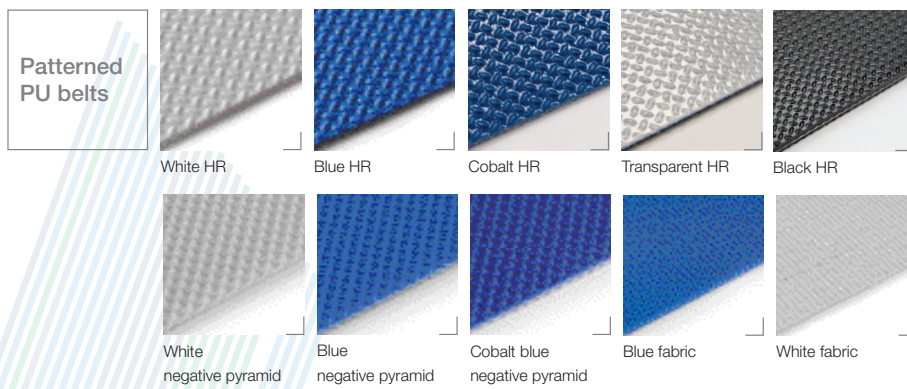
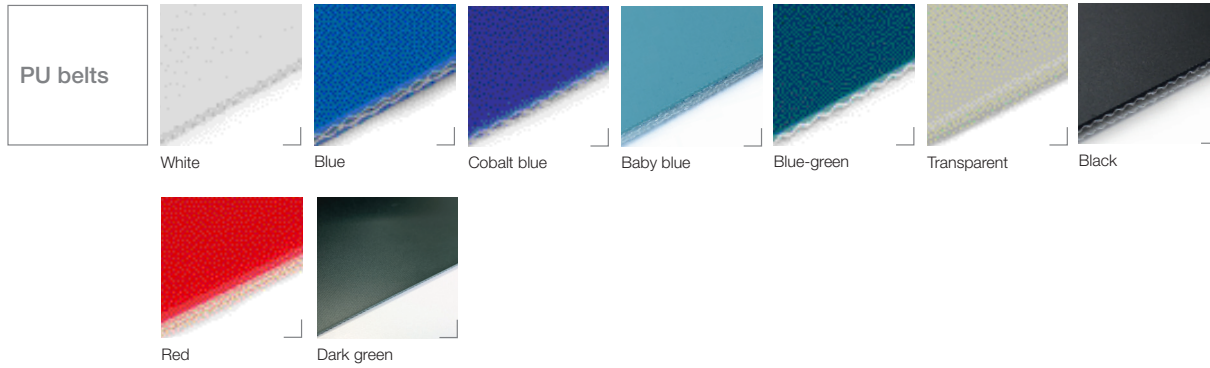
The top surface of our belts is perfectly smooth, homogenous and non-porous.

Thus our production technology prevents contamination risks.

Codification of Reveyron Belts

2		PUR	B	20	H	C	W
Number of plies						Belt back side	
1 ply	1					0 Non-impregnated fabric	
2 plies	2					D Negative pyramid pattern	
3 plies	3					HR Positive rice grain pattern ("High Release")	
						S Low noise fabric	
						W Impregnated fabric	
Material						Type of fabric	
Polyurethane	PUR					E Rigid in weft – 80 N/mm	
PVC	T					C Rigid in weft, antistatic – 80 N/mm	
Silicone/PU	SI					L Very rigid in weft – 110 N/mm	
Silicone/fiberglass	VS					LC Very rigid in weft, antistatic – 110 N/mm	
Felt	F					5E Extremely rigid in weft – 85 N/mm	
Nitrile	NBR					5C Extremely rigid in weft, antistatic – 85 N/mm	
Colour						F Flexible – 120 N/mm	
White	B					fl Flexible, thin – 85 N/mm	
White resistant to fat (PVC)	G					P Fine – 70 N/mm	
Transparent	I					PC Fine, antistatic – 70 N/mm	
Black	N					S Frayless, rigid in weft - 40 N/mm	
Red	R					SC Frayless, rigid in weft, antistatic - 40 N/mm	
Blue-green	V					SP Spun	
Blue	X					M Rigid in weft - 95 N/mm	
Baby blue	XB						
Cobalt blue	XK						
Dark-green	VF						
Brown	M						
Thickness of top surface in 1/100 mm						Belt top side	
						- Glossy surface	
						S Hard, glossy surface	
						MAT Matte cover	
						H Hard, matte surface	
						HR Positive rice grain pattern ("High Release")	
						D Negative pyramid pattern	
						GRIP/GR GRIP rough top	
						MINIGRIP Snakeskin pattern	
						SGR Supergrip	
						STR Longitudinal rib	
						SQR Cross pattern	

Finish and pattern covers of our belts





		Availability ¹	No of plies	Total thickness	Top coating	Hardness	Finish/Pattern	Antistatic fabric	Force at 1% elongation ³	Min. pulley Ø ⁴	Min. pulley Ø backflex ⁴	Cross rigidity	Food approved EU 10/2011	Resistance to fat and oils [*]	Manufacturing width
Top	Bottom	Type		mm	mm	ShA			N/mm	mm	mm				mm
SECUREV - Top and bottom cover with TPU - Food industry															
		2PURB25/EHR	√	2	1,80	0,25	85	Matte / HR	11	25	45	••	√	√	2000
		2PURB40/LHR	√	2	2,30	0,40	85	Matte / HR	13	50	70	•••	√	√	2000
		2PURB100/LHR	√	2	3,40	1,00	85	Matte / HR	13	100	160	••••	√	√	2000
		3PURB170/LHR	√	3	5,00	1,70	92	Matte / HR	18	180	240	•••••	√	√	2000
		2PURX25/EHR	√	2	1,80	0,25	92	Matte / HR	11	25	45	••	√	√	2000
		2PURX25/FIHR	√	2	1,80	0,25	92	Matte / HR	10	25	45	Flexible	√	√	2000
		2PURX30H/5HR	√	2	2,80	0,30	92	Matte / HR	9	50	70	•••••	√	√	2000
		2PURX40/FHR	√	2	2,30	0,40	92	Matte / HR	14	60	80	Semi-flex.	√	√	2000
		2PURX60/FHR	√	2	2,35	0,60	85	Gloss / HR	13	40	60	Flexible	√	√	2000
		2PURX90/LHR	√	2	3,40	0,90	92	Matte / HR	13	100	160	••••	√	√	2500
		2PURX30/LX30-1.9	C	2	1,90	0,30	92	Matte / Gloss	13	60	60	•••	√	√	1500
		2PURX30X/LX30	√	2	2,90	0,30	92	Matte / Gloss	13	80	80	••••	√	√	2000
		2PURXK40H/FHR	C	2	2,30	0,40	92	Matte / HR	14	60	80	Semi-flex.	√	√	2500
		2PURXK90H/LHR	C	2	3,40	0,90	92	Matte / HR	13	100	160	••••	√	√	2500
SECUREV - Top patterned TPU, bottom coated TPU - Food industry															
		2PURXD/EHR	√	2	2,20	0,60	92	NP / HR	11	30	25	••	√	√	2000
		2PURXKD/EHR	√	2	2,20	0,60	92	NP / HR	11	30	25	••	√	√	2000
SECUREV - Top and bottom cover with black TPU															
		2PURN25/EHR	C	2	1,80	0,25	92	Matte / HR	11	25	45	••	√	√	2000
		2PURN100/LHR	√	2	3,40	1,00	92	Matte / HR	13	100	160	•••••	√	√	2500

		Availability ¹	Hardness	Finish/Pattern	Force at 1% elongation ³	Force at 5% elongation	Force at 8% elongation	Min. pulley Ø ⁴	Resistance to fat and oils [*]	Food approved EU 10/2011	Manufacturing width		
Top	Bottom	Type	ShA		N/mm	N/mm	N/mm	mm	mm		mm		
Extruded polyurethane - Monolithic belts													
		PUX1M	√	85	Matte	0,4	1,3	1,9	10	10	√	√	650
		PUX2M	√	85	Matte	0,7	2,9	4,3	20	20	√	√	650
		PUX3M	√	85	Matte	0,9	4,0	5,6	30	30	√	√	650
		PUB2M	√	85	Matte	0,7	2,9	4,3	20	20	√	√	650
		PUB3M	√	85	Matte	0,9	4,0	5,6	30	30	√	√	650
		PUB4M	√	85	Matte	1,3	5,0	8,0	80	80	√	√	650
		PUV2M	√	85	Matte	0,7	2,9	4,3	20	20	√	-	650
		PUV3M	√	85	Matte	0,9	4,0	5,6	30	30	√	-	650
		PUV4M	√	85	Matte	1,3	5,0	8,0	80	80	√	-	650
		PUV5M	√	85	Matte	1,5	6,0	8,6	120	120	√	-	650
		PUN2M	√	85	Matte	0,7	2,9	4,3	20	20	√	√	650

¹ C: Contact us

² HR: Rice grain (High Release)

³ k1%: Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (500 elongation cycles). In accordance with ISO standard 21181.

⁴ The given minimum drum diameters are valid for an ambient temperature at 20 °C.

Product temperature range: -40 °C + 90 °C – Ambient temperature range: -25 °C + 60 °C.
Coefficient of friction on stainless steel slider bed: 0,5 / on HDPE: 0,2.

Reveyron also manufactures belts according to your specifications. Please contact us.
The codification of our belts is explained on page 15.

* Excellent resistance to oils and animal, mineral and vegetal fat.