



Conveying Solutions for the Recycling Industry

In the past few years, Volta Belting put effort into adjusting and improving its conveyor belts, to suit the special needs of the Recycling industry.

We are proud of our significant advances in belts for recycling solid waste, whether industrial or household, sorted or mixed, and whether used on conventional conveyor types or on magnetic systems such as Eddy Current separators.

We now offer durable belting solutions that suit your recycling needs for the following rough materials:



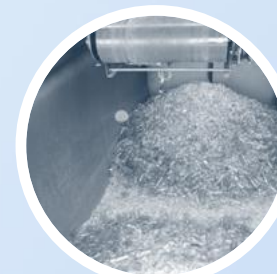
Batteries



Biomass



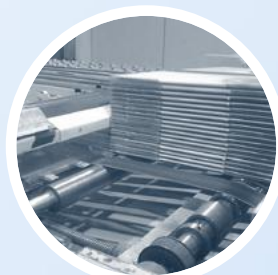
Electronics



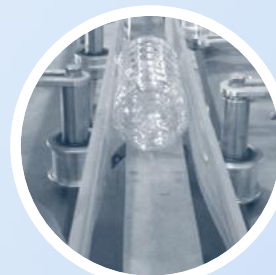
Glass



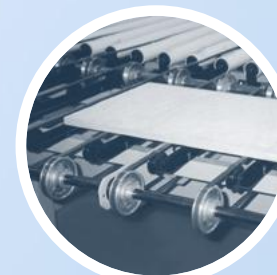
Metal



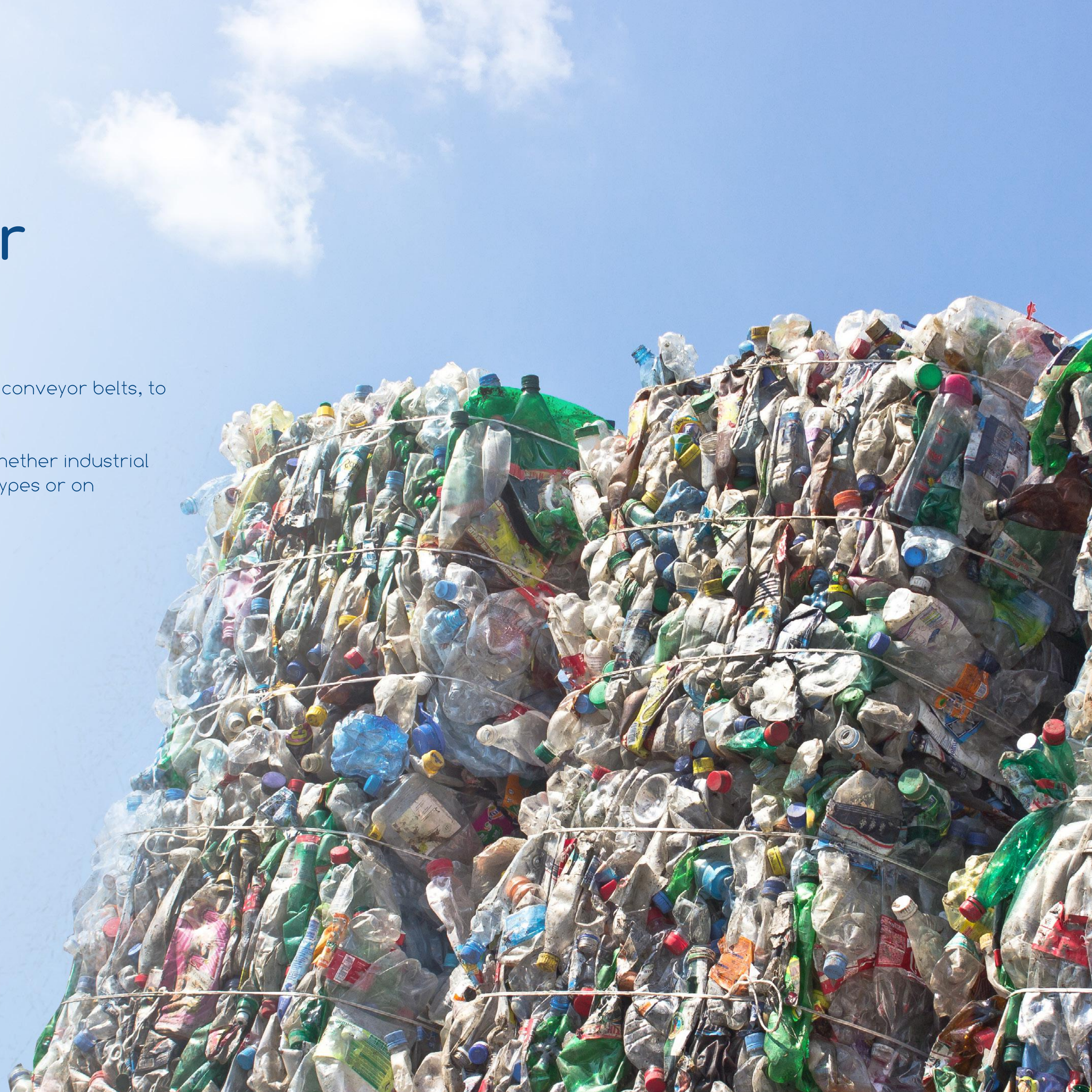
Paper



Plastic



Wood



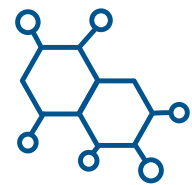
Advantages

Volta materials last longer, are chemical and oil resistant, abrasion and cut resistant, and can function under water without degradation.



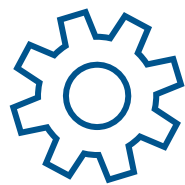
Belt Longevity

Higher impact and abrasion resistance than any other belt type



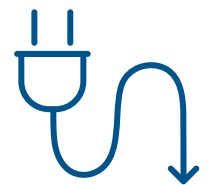
High Material Resistance

Chemical & Hydrolysis resistant belts



Easier Maintenance

50%+ thinner thermoplastic belts, easier to assemble and maintain



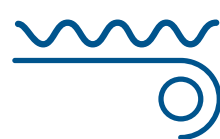
Reduce Electrical Consumption

lightweight belt that handles extra heavy loads with small motors



Reduce Vibrations

even at high speed with butt welded joints



Works Underwater

Belts can be perforated with custom-made hole designs



Durable Materials

Elevators suffer less damage to cleats from falling materials and from abrasions



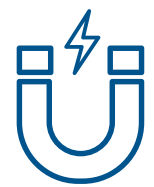
Handles Extra Heavy Loads

and accumulation with special 6mm positive drive belts



Reduce Downtime

Fast and easy on-site assembly and repair



Better Separation Applications acting on metals

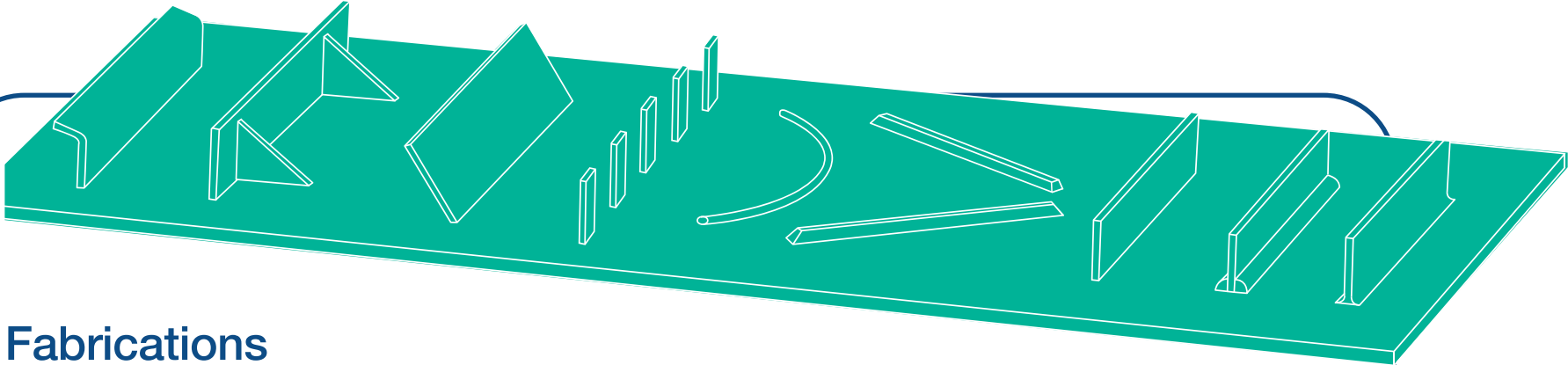
Reduce the air gap and increase the magnetic field intensity acting on metals



Conveying Solutions for the Recycling Industry

Recommended belt types and fabrication options:

Applications	Type	Code	Thicknesses	Colour	Extra Features
General conveying impact belt	Flat reinforced	FRPZ	2, 3, 4, 6, 8, 10 mm	●	
General conveying impact belt for wet ambient	Flat homogeneous	FEPZ	3, 4, 6 mm	●	
General conveying abrasion resistant belt	Flat reinforced	FRZ	2, 2.5, 3, 4, 5 mm	●	
General conveying abrasion resistant belt for wet ambient	Flat reinforced	FRG	2, 3, 4 mm	●	
General conveying belt for wet ambient	Flat homogeneous	FEZ	2, 2.5, 3, 4, 5 mm	●	
Positive drive – dry ambient	Positive Drive homogeneous	FZ SD	3, 4, 6 mm	● ●	
Positive drive – All ambientes	Positive Drive homogeneous	FMB SD	3, 4, 6 mm	● ●	
Positive Drive – Special	Positive Drive homogeneous	FMB SD MD	3 mm	●	Metal detectable
General conveying – High grip top surface for inclines	Flat reinforced	FRG/ST	3, 3.5, 5 mm	● ●	Double layer for monitoring wear progress
General conveying impact belt*	Flat reinforced	FRBL AS	2, 4, 8 mm	●	Anti-static, no fabrications



Fabrications

Cleats, gusseted cleats, side walling, guides, and perforations. Special options are available with most materials.

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