



Volta
Belting Technology

Highest Quality Design

The Next Step In Belting

Custom Tailored Belt For a Perfect Solution

Let Us Engineer Your Future



The Light Side of Heavy Duty

Belt Benefits

- Light weight belts.
- Abrasion resistant.
- Chemical, Water, Oil, Cut & Puncture Resistant.
- Quality fabrications.
- Easy installation & On-site repair.
- Less production downtime.
- Positive Drive Belts.

Light Weight Belts.

Our belts are lighter weight when compared to rubber belts.

Special advantages:

- Light weight conveyor construction
- Less power needed to run the products
- Smaller gear system
- Lower energy cost

All of these characteristics cut back on motor energy usage & enable lower overall investment and running costs.

Abrasion Resistant.

In heavy duty applications the abrasion level is very high and regular belt material is worn down by friction.

The Volta homogeneous & reinforced belts contain a thick top layer which is highly resistant to abrasion thus allowing for a long life span even in harsh environments.

The belts leave less marks on products compared to rubber belts.

Rubber belts degrade, crack and chunk easily.

The Volta material is less likely to tear, fray or delaminate.

Chemical, Water, Oil, Cut & Puncture Resistant.

Non absorbent to industrial oils, fluids and chemicals.

- The Volta belts are highly resistant to the corrosive effects of industrial chemicals , hydrolysis and oils, ensuring long belt life.
- Because of the homogenous construction of the belt, the conveyed materials are not absorbed thus reducing dirt, bad smell and other quality issues.

Thick, solid upper layer resists cuts, cut expansion & impact punctures.

- Fully extruded homogenous materials of up to 8mm thick with optional fabric reinforcement on bottom withstands cuts and punctures.
- There are no fabric layers dividing, damage caused by aggressive products may only penetrate a fraction of the top surface.
- The belt material resists spreading of cuts giving the Volta belt longer operational life compared to conventional conveyor belts.

Quality Fabrications.

- Volta has outstanding technique and ideal tooling to perform state of the art heat welded fabrications to fit most specific needs.
- The connection of the solid Volta homogeneous flat belt with matching material flights, sidewalls, guides, etc. result in long lasting fabrication and superb performance.

Installation & On-site repair.

- Excellent tools especially designed to ensure easy and high quality heat welded joints.
- The Volta tools have lightweight design which makes each tool compact and easy to use usually by one person in the field or in the workshop.
- Quick and easy repair by heat welding electrodes into the cuts. No need to remove the belt. Keeps maintenance & downtime to a minimum.
- When using Volta tools electrical power is sufficient. Water cooling or air pressure are not required.

Production Downtime.

- Homogenous construction allowing huge savings in cleaning time.
- Simple heat weld installation & quick repairs.
- Availability of tools to purchase along with training – for independent installation and repair.
- Abrasion resistant material increasing belt life and reducing “belt powder”.
- Convert downtime into production time (cleaning, installation and repairs).


Positive Drive Belts.

When using Positive Drive belts:


- No off-tracking (mainly SuperDrive™ belt).
- Integrated teeth prevent slippage/ increased efficiency.
- No belt pretension is needed, avoiding elongation increasing belt life and reducing electrical power consumption.

Off-tracking can also be solved by using guides on regular flat belts.


Suitable Industries

 Recycling; metal, glass, paper, sewage, plastic, etc.

 Chemical processing

 Mining & Quarry works

 Wood industry

 Construction; ceramics, bricks, tiles, concrete, etc.

 Tires / rubber

 Plastics / injection /

 Metal stamping ; automotive parts, appliances, etc.

 and many more.....

Recommended Products



Fabric reinforced Volta belts from 1.6mm up to 10mm thick belts:

- FRPZ
- FRGZ
- FRG
- and more....



Industrial grade homogeneous belts from 1.6mm up to 8mm thick belts:

- FEZ
- FEPZ
- FZ
- FK (from 1.3 mm)
- and more.....

Positive Drive belts:



- SuperDrive™
- Dual Drive

Volta Belting Technologies Ltd. offers a variety of belt qualities in several thickness and quality suitable for all special request and the possibility to produce custom made fabrications in short lead times.



Why to use Volta?

- Positive Drive belts are new in general (non food) conveying applications.
- Excellent business opportunity to supply innovative homogeneous belts and the PD solutions into this industry.
- Volta offers a good solution to the end users reducing downtime, potentially solving problems experienced with rubber belts such as: chunking, cracking, staining and fraying or delaminating compared to plied belts.