

MATERIAL HANDLING

Product Guide



WHO WE ARE.

Motion delivers a world-class customer-first approach to everything we do. This has firmly established our business as the leader in the market, providing excellence and expertise in industrial products, solutions and services.

For more than 100 years we have been a feature in the New Zealand industrial landscape giving customers unmatched products and service through an integrated network of branches, workshops and service centres.

We have an ongoing commitment to invest in our people, facilities, IT and systems to ensure we can continue to offer a broad ranging and premium level of engineering design, servicing and turnkey projects to our customers across Australia.

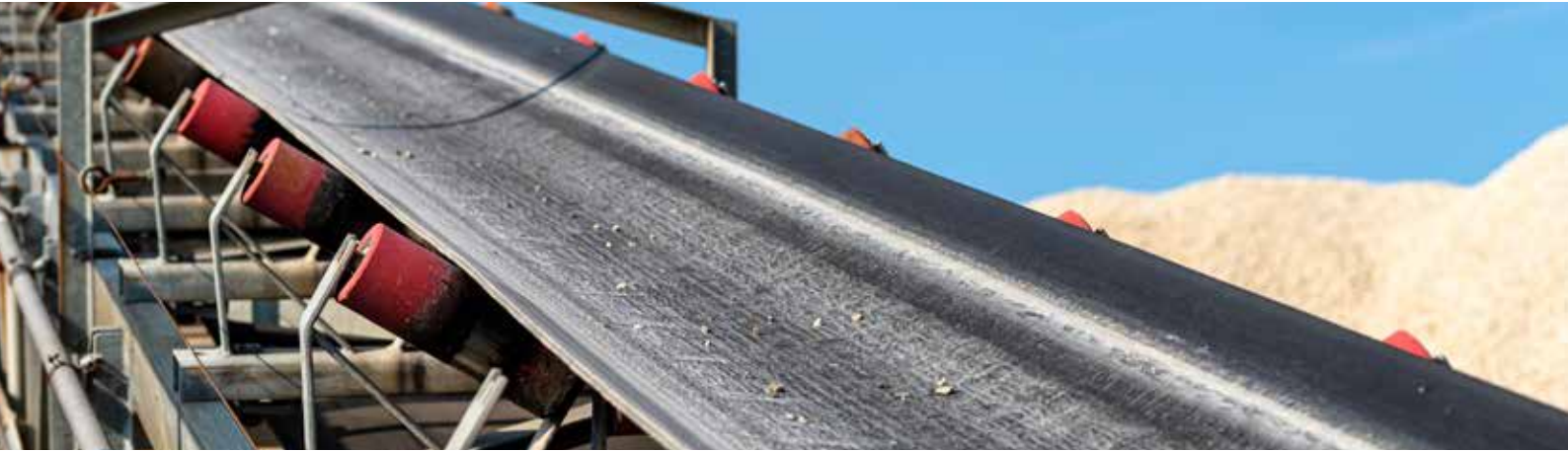
We are committed and proud to keep our customers in motion, every day of the year.

***Mi*MOTION®**

CONVEYANCE SOLUTIONS

Complete solutions for the design, installation and maintenance of conveyance infrastructure.

Motion Conveyance Solutions is a unique combination of skilled and experienced people, including design engineers, tradespeople and conveyor fabrication specialists, along with an extensive portfolio of carefully selected world-leading conveyor technology, equipment and parts to provide our clients with a system designed for their individual application, work site and operating environment.



HEAVYWEIGHT

- Full range of Flat Rubber, Cleated Rubber and PVC Conveyor Belts
- Belt designs covering all industrial applications
- Belt Accessories – Mechanical Fasteners, Cleaners/Scrapers, Trackers/Trainers
- Conveyor Rollers – Steel, Plastic – 114mm Diam – 152mm Diam
- Belt Pulleys



LIGHTWEIGHT

- New Zealand's largest stock of PVC, PU and Hygienic monolithic belts
- Flat transmission belts (Timber, Paper, Cardboard and many other processes)
- Plastic modular belts & chains
- Polyester Mesh belts (De-watering and Filtering)
- Teflon belts, tapes, and sheets
- Special fabrication for any application or product
- Supply and install Nationwide
- Range of associated conveyor products and accessories

Lightweight Conveyor Products

PVC and PU Belting

Ideal for most environments and applications, from delicate food products to heavy boxes and much more.

- Widths up to 3200mm
- In-house speciality manufacturing and fabrication processes
- Large range available ex-stock
- Full on-site installation service and maintenance



Hygiene Belting

Innovative solutions for optimal hygiene, reduced product contamination and lower cleaning costs.

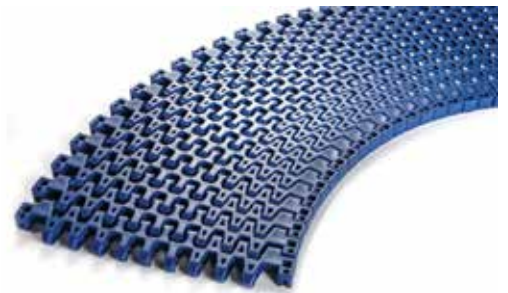
- MAFDEL positive drive solid TPU belting
- REOClean Kevlar® reinforced TPU belting



UNI Plastic Modular Belting

A range of UNI plastic modular belt types and components to service specific industry sectors and applications.

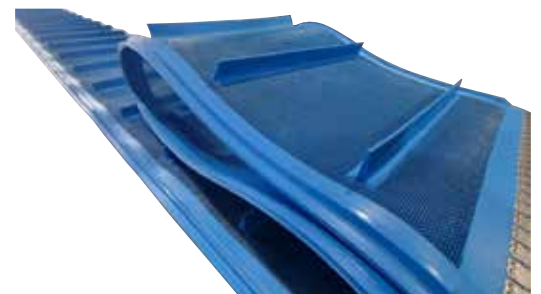
- UNI FLEX ASB: Strong 1" pitch RADIUS belt
- UNI MP8: Strong and most cleanable 2" pitch belt
- UNI M-TTB: Food processing 1/2" pitch belt
- UNI QNB: Strong and reliable 1" pitch belt
- UNI M-QNB: High speed tight transfer 1/2" pitch belt



Poly Mesh Belting

mesh conveyor belts made from polyester fabric with monofilament warp and weft threads. Mesh spacing and fabric permeability can be changed by varying the number or diameter of the threads. Primarily used for the filtration, draining and drying of various products.

Accessories available including sidewalls, tracking guides, endless seam, and special reinforcement.



Lightweight Conveyor Products

PTFE Coated Fabrics

Pressure sensitive adhesive sheets and tapes up to 260°C.

- Heat sealer tapes
- Zone tapes
- Silicone rubber coated film tape
- Skived PTFE film tape
- Glass fabric tape
- PTFE and silicone coated fabrics



Weldable Profile Belts

Thermoweldable belts are best where a hard wearing, easily spliced belt is required.

- High tensile strength
- Foodgrade available
- Superior resistance to abrasion
- Oil and grease resistant
- Absorbs vibration and shock loads



Belt Fasteners

Wide range of Flexco® belt fasteners.

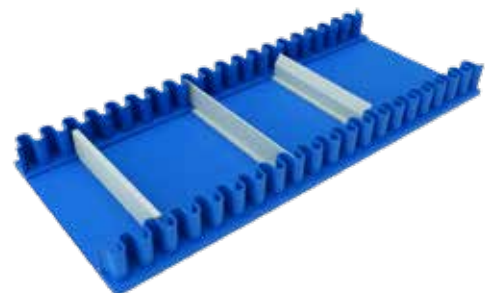
- Clipper® Wire Hook fastening
- Staple grip fastening
- Rivet solid and hinged fastening
- Spiral lace fastening
- Alligator® lacing fastening
- Plastic rivet fastening
- V-belt fastening
- Plate and hinged fastening



Fabrication

In-house customisation, and a wide range of belting accessories.

- TPU finger cleats for fragile fruit and vegetables
- Wave cleats - HF welded to belting
- Trapezoidal profiles for inclines, side loading and diverting
- Lateral profiles for incline applications and fragile goods
- PU sidewalls for product containment



Heavyweight Conveyor Products

Heavy Black Belting

Ideal for quarry, coal, fertiliser, timber, sand, mining, and iron ore applications.

- Available in 2, 3, 4, and 5-ply
- Various chevron patterns



Mobile Crushing and Screening Belting

Specifically designed with mobile plant in mind for durability and long service life.

- 2-ply heavy-duty black belting



Belt Rollers and Frames

Trough and return rollers, available in 114mm and 127mm diameter to suit belt widths from 450mm to 1400mm.

- Steel and plastic impact rollers available
- Heavy-duty double-sealed bearings
- Grease packed triple labyrinth seals
- Recessed end caps for safety



Belt Positioners and Impact Beds

- Belt positioner - used when belt mistracks to one side
- Belt trainer - uses a variety of methods including tapered ends, sensor rollers, and pivoting and tilting mechanisms to steer wandering belts back on track
- Impact beds - Provide belt protection and material containment by controlling acceleration, deadening impact energy, and reducing vibration to extend belt life



Heavyweight Conveyor Products

Belt Cleaners and Scrapers

Belt cleaners and scrapers are an integral part of conveyor systems to remove carryback from your belt.

Motion supplies a wide range of cleaners and scrapers for all applications from food, to mining, and everything in-between.



Skirting Systems and PU Walls

- Ideal for improving throughput and controlling spillage and dust
- Easy to install and maintain
- Wide range of solutions available



Rulmeca Motorised Drums

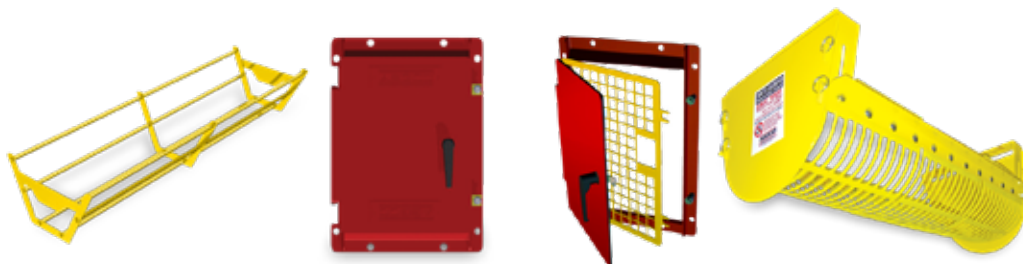
Motorised drums are compact, IP66 sealed and supplied with an aluminium, steel or stainless steel shell.

- 113 mm diameter crowned finish
- Standard lengths from 300 to 1200
- Planetary gearbox
- Speed ranges from 0.06m/s to 1.05m/s
- Load rating 0.06kW to 0.37kW



Safety Range

- Hitch guards
- Transfer plates
- Safety guards
- Roller guards
- Flexco transfer trays



Power Transmission and Services

Power Transmission Products

- Chain & Sprockets
- Couplings
- Electronics
- Reduction Boxes
- Thermoplastic Gears
- Vee Belts & Pulleys
- Timing Pulleys



Services

- **Conveyor design** - Motion offer solutions to improve performance of your existing system or design to facilitate specific needs whether it be for food safety, increase production or simplify the process.
- **Fabrication** - In-house customisation to meet specific application requirements
- **Installation and maintenance** - Over 30 years experience in all aspects of conveyor product installation and service. Breakdown and emergency service available 24/7/365



MOTION

Anytime. Anywhere.
Always Here.™



Find a location
near you!

Scan the QR Code
or visit motion.co.nz

0800 4 BELTS

Delivering a world-class customer-first approach
providing excellence and expertise in industrial
products, solutions and services

MOTION
CONVEYANCE SOLUTIONS