Packaging industry

Founded in 1957, Megadyne Group develops and manufactures power transmission belts, matched components, and complete belt systems for any kind of machines. As a reliable partner for original equipment manufacturers and the aftermarket distributors, it has 10 manufacturing plants in Europe, North America and Asia, 45 commercial offices, and many distribution HUBS around the world able to deliver products efficiently, from large industrial sites to remote locations.

Megadyne provides its customers with innovative solutions to specific packaging industry needs offering a wide selection of belt constructions, and manufacturing processes thanks to years of industrial experience. Megadyne Group products are used in packaging equipment from the first to the last phase. Standard and custom made belts are employed in converting and die cutting equipment, form fill and seal, filling and capping machines, case erecting, case and tray packing, box filling and closing lines, along with palletizing and warehousing applications.

Belt Properties

| MEGADYNE ISORAN SYNCRONOUS (RPP, SILVER2,GOLD) |  |
| SUPPLIED AS | Endless |
| LENGTH | 248 - 4956 mm |
| WIDTH | 12 - 170 mm |
| PITCH | RPP8-SLV2 8-GLD8-RPP14-SLV2 14-GLD14 |
| TENSIONING MEMBER | Fiberglass |
| FEATURES | High stability and power transmission |

| MEGADYNE POLYURETHANE TIMING BELTS |  |
| SUPPLIED AS | Open End Roll - Endless - Joined - PPJ |
| LENGTH | Megalinear 0,5 - 100 m |
| | Megaflex 1,5 - 22,77 m |
| WIDTH | 6 - 150 (500 for T5-T10) mm |
| PITCH | T5-T10-T20-AT5-AT10-AT20-RPP8 |
| | RPP14-HTD8-HTD14-TG10-ATG10 |
| | TG20-ATG20 |
| TENSIONING MEMBER | Steel, HP, HF, HPF, Stainless Steel, Kevlar |
| FEATURES | High resistance belts available in different lengths |

| MEGADYNE DRY BACK V-BELTS |  |
| SUPPLIED AS | Endless |
| LENGTH | 59''-80''-85''-96''-105''-120'' |
| | 133''-144'' |
| SECTION | B |
| COMPOUND | SBR & non marking fabric |
| TENSIONING MEMBER | Aramide |
| FEATURES | Resistance to oil and steam, non marking |

Megadyne Modifications

- Slots with Holes
- Profiles Ground in Cover
- Convex Grind
- Lug Grind
- Diagonal Grooves
- Countersinks with Holes
# Megadyne Special Covers

<table>
<thead>
<tr>
<th><strong>AVAFC 60/70/85</strong></th>
<th>Material: Polyurethane</th>
<th>Colour: Transparent</th>
<th>Excellent cut and wear resistance and good oil resistance.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TENAX STANDARD / TENAX 40</strong></td>
<td>Material: Natural Rubber</td>
<td>Colour: Red</td>
<td>High Grip with good wear resistance.</td>
</tr>
<tr>
<td><strong>LINATEX™ RED</strong></td>
<td>Material: Natural Rubber</td>
<td>Colour: Red</td>
<td>Cover offers high CoF, good wear resistance, good in wet conditions.</td>
</tr>
<tr>
<td><strong>RED GRIP</strong></td>
<td>Material: PU/Synthetic Rubber</td>
<td>Colour: Red</td>
<td>A seamless alternative to LINATEX™. Only available on MEGAFLEX.</td>
</tr>
<tr>
<td><strong>SILICONE</strong></td>
<td>Material: Silicone</td>
<td>Colour: White/Beige/Black/Transparent/Blue/Red</td>
<td>Cover offers a good CoF and very good abrasion resistance.</td>
</tr>
<tr>
<td><strong>NBR</strong></td>
<td>Material: Nitrile Caoutchouc</td>
<td>Colour: Black</td>
<td>Cover offers improved oil and grease resistance compared to natural rubber.</td>
</tr>
<tr>
<td><strong>DURATAQ™/ DURATAQ™ PLUS</strong></td>
<td>Material: Natural Rubber</td>
<td>Colour: Orange/Red</td>
<td>Cover offers a proprietary custom blended rubber which has a good CoF and very good abrasion resistance.</td>
</tr>
<tr>
<td><strong>RP 400 YELLOW</strong></td>
<td>Material: Caoutchouc</td>
<td>Colour: Yellow</td>
<td>Cover has fine fabric texture, characteristics similar to LINATEX™ but higher abrasion resistance.</td>
</tr>
<tr>
<td><strong>NFB/NFT</strong></td>
<td>Material: Nylon Fabric</td>
<td>Colour: Green</td>
<td>NFT/NFB offers low friction for accumulation as well as low noise benefits and is usually applied coextrusion on base belts.</td>
</tr>
<tr>
<td><strong>SUPERGRIP PETROL</strong></td>
<td>Material: PVC</td>
<td>Colour: Petrol Green</td>
<td>High CoF, applicable for slight height compensation, low shock absorption capabilities. Improved adhesion even in case of moisture and dirt.</td>
</tr>
</tbody>
</table>

... And many more on www.megadynegroup.com
Converting and Die Cutting Equipment

With the large majority of packaging made of paper-based products, we offer a wide range of homogenous, high-friction, long life moulded cover surfaces on both rubber and polyurethane synchronous and non-synchronous belts. In cases where vacuum is needed to secure the media being moved, we can add the right modifications to ensure efficient transport.

Filling Lines

Megalinear and Megaflex belts used for bi-directional dispensing head positioning ensures precise and smooth movement at high speeds.

POLYURETHANE TIMING BELTS
- Open length or endless timing belts manufactured in thermoplastic polyurethane
- Various grades of steel cord
- High positioning precision suitable for linear movement and lifting systems
Capping

Feed belts with the right amount of friction and cushioning to move, hold and cap bottles.

1. SPECIAL PU TIMING BELT
   - Silicone coated foam
   - Non-marking with high friction cover

2. DRY BACK V-BELT
   - Rubber belt with non-marking wrapped fabric
   - High resistance to oil and steam

3. MOULDED POLYURETHANE CAPPING DISK
   - High friction non-marking homogenous covers

4. SPECIAL RUBBER FLAT BELT
   - Endless moulded flat belt
   - Low friction fabric to ensure smooth running and length stability
   - Non-marking with high friction cover

Vertical Form Fill & Seal

Synchronous or non-synchronous belts with moulded covers provide the right friction and wear resistance to get the job done. With the vast number of film and media types used today to create bags, the right choice of non-glazing cover can make the difference between efficient and non-efficient bag handling and filling.

Modifications such as holes, slots and grooves for vacuum can be added to meet your specific application requirements. We also provide a wide range of stainless steel and Teflon® coated sealing bands.

SPECIAL REWORKED BELTS
- Truly endless moulded belts polyurethane or rubber based
- Wide range of different materials, to ensure the best performances and the best match to the varied grades of film used
- Grinded tooth and holes to ensure the best vacuum and grip performances

1. Polyurethane VFFS Belt with sprayed foam cover
2. VFFS Belt with two cover options
3. Moulded polyurethane with multiple holes
4. VFFS Belt with anti-glaze cover
5. Dual durometer polyurethane VFFS belt

Teflon® is a registered trademark of DuPont®
Case Erecting and Case & Tray Packaging

After boxes are formed, the product is inserted into cases or trays. This movement requires belts that offer features like high friction, non-slip covers and cleats for sortation and accurate product placement.

Box Filling and Closing Equipment

After products are packed in cartons or trays, they are then inserted into boxes. During this process, belts are used to guide and support the box through sealing, labelling and weighing processes.
Palletizing and Warehousing

After the product is boxed and weighed, it is stacked, wrapped and sent on its way to the customer or warehoused. Megadyne Group products used in this area include: parallel path timing belts as well as synchronous and non-synchronous high strength lift belts.

Case Study

Application: Food Packaging
Previous belt: Non-Synchronous flat conveyor belt
Previous drive problems: Belt slippage, lack of synchronization, expensive downtime and high cost of spare parts.

Solution: Megalinear Timing Belt with FDA Cleat: Megalinear timing belt for synchronization jointed with PPJ joint system for fast and easy belt replacement and weld on cleats for product separation.
Czech Republic
Prague
Phone 420 2 8481 7181
info.cz@megadynegroup.com

France
Paris
Phone +33 1 6079 8200
info.fr@megadynegroup.com
St. Jean De Maurienne*
info.fr@megadynegroup.com

Germany
Borchen
Phone +49 5251 8735 0
info.de@megadynegroup.com
Elchingen*
info.de@megadynegroup.com

Hungary
Budapest
Phone 36 23 428 628
info.hu@megadynegroup.com

India
Chennai*
Phone +91 98841 81175
info.in@megadynegroup.com

Ireland
Dublin
Phone 353 1 456 6311
ireland@challengept.com

Israel
Caesarea
Phone +972 4 6371485
sales@megabelt.co.il

Italy
Turin*
Phone +39 011 926 8052
info@megadynegroup.com
Pescara*
Phone +39 085 9700547
info.it@megadynegroup.com
Venice
Phone +39 041 929 367
info.it@megadynegroup.com

Mexico
Mexico C.P.
Phone +52 55 5587 3680
info.mx@megadynegroup.com

Peru
Lima
Phone +51 713 0069
info.pe@megadynegroup.com

Poland
Bielsko Biala
Phone +48 32 447 7179
info.pl@megadynegroup.com
Bydgoszcz*
info.pl@megadynegroup.com

South Africa
Johannesburg
Phone 27 (0) 12 661 1652
info.za@megadynegroup.com
Cape Town
Phone 27 (0) 21 9820772
info.za@megadynegroup.com

Spain
Vilanova*
Phone +34 93 811 5450
info.es@megadynegroup.com

Sweden
Kristianstad
Phone +46 10 1309600
info.se@megadynegroup.com

Thailand
Bangkok
Phone +66 966 207648
info.th@megadynegroup.com

Turkey
Izmir
Phone +90 232 877 07 00
info.tr@megadynegroup.com

U.K.
Birmingham
Phone +44 1384 215 021
info.uk@megadynegroup.com

Wolverhampton
Phone +44 (0) 1902 866116
uksales@challengept.com

U.S.A
California
Phone +1 323 265 8061
info.us@megadynegroup.com
Florida
Phone +1 813 241 4111
info.us@megadynegroup.com
Georgia*
info.us@megadynegroup.com
Illinois
Phone +1 630 752 0600
info.us@megadynegroup.com
New Jersey Americas HQ
Phone +1 973 227 4804
info.us@megadynegroup.com
North Carolina*
info.us@megadynegroup.com
Oregon
Phone +1 503 231 7224
info.us@megadynegroup.com
Texas
Phone +1 972 438 6992
info.us@megadynegroup.com

Headquarters
Italy Turin
Via S. Lucia, 114
10075 Mathi (Torino)
Phone +39 011 926 8052
info@megadynegroup.com

www.megadynegroup.com

* Manufacturing locations