

# MATERIAL HANDLING



**MEGADYNE**

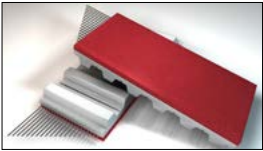
# Megadyne Special Covers



## AVAFC 60/70/85

MATERIAL	Polyurethane
COLOR	60 - Blue; 70 - Green 85 - Transparent

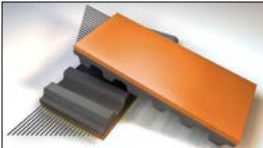
Excellent cut and wear resistance and good oil resistance.



## LINATEX® RED

MATERIAL	Natural Rubber
COLOR	Red

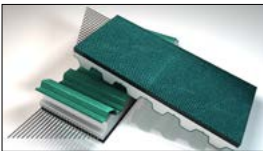
High coefficient of friction, good wear resistance, good wet conditions.



## DURATAQ®

MATERIAL	Natural Rubber
COLOR	Orange

Cover offers a proprietary custom blended rubber which has a good coefficient of friction and very good abrasion resistance.



## NFB/NFT

MATERIAL	Nylon Fabric
COLOR	Green

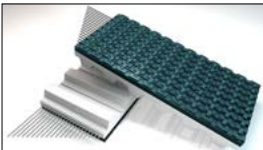
NFT/NFB offers low friction for accumulation as well as low noise benefits.



## SUPERGRIP PETROL

MATERIAL	PVC
----------	-----

High coefficient of friction for incline applications, and gripping features for pull through feed and conveying needs



## MINIGRIP GREEN

MATERIAL	PVC
COLOR	Petrol Green

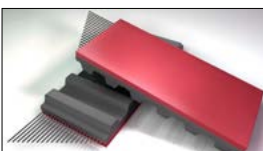
Thin cover structure with very good friction, even in wet or dusty conditions - reduces frictional stick of smooth and dry conveyed products. Resistant to acids and oils.



## RED GRIP

MATERIAL	PU/Synthetic Rubber
COLOR	Red

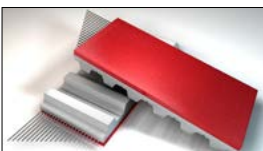
A seamless alternative to LINATEX®. Only available on MEGAFLEX.



## RED NATURAL RUBBER 40/60

MATERIAL	Natural Rubber
COLOR	Red

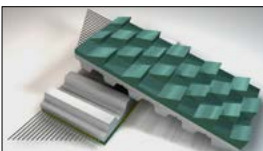
Covers offering good friction and good abrasion resistance.



## APL RED

MATERIAL	Polyurethane/PVC
COLOR	Red

Extruded blended elastomer alternative to LINATEX®. Offers high coefficient of friction, good oil and wear resistance.



## STAGGERED SAWTOOTH

MATERIAL	PVC
COLOR	Green

Very good coefficient of friction for gripping and incline conveying. Resistant to acids and oils.

# Material Handling

Founded in 1957 in Mathi, Italy, Megadyne is a manufacturer of industrial belting used in power transmission, product handling and linear positioning applications. Our worldwide manufacturing, fabrication and distribution locations and commitment to investment in product and process development make Megadyne a global leader in rubber and polyurethane power transmission, conveying, specialty and lift belts.

Megadyne's extensive experience in materials and reinforcement types aligns with the Material Handling market which is all about precise positioning and placement. With a broad portfolio of belts, the Megadyne sales and engineering teams are available to guide you to the best belt solution for your application.

## Belt Properties

### MEGADYNE ISORAN SYNCHRONOUS (PLATINUM, GOLD, SILVER2)

SUPPLIED AS	Endless
LENGTH	5M: 180 - 2525 mm 8M: 248 - 4400 mm 14M: 966 - 4956 mm
WIDTH	12 - 170 mm*
PITCH	5M, 8M, 14M
TENSION MEMBER	Fiberglass, Dual Core
FEATURES	Length stable and wear resistant

*\*Standard Width Range - Megadyne will cut to desired width upon request.*



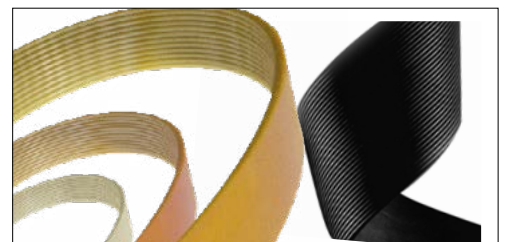
### MEGADYNE POLYURETHANE TIMING BELTS

SUPPLIED AS	Open End, Joined Endless, Truly Endless or with PPJ
LENGTH	Megalinear 0.5-100 m Megaflex 1.5 - 22.77 m Megapower 225 - 2250 mm
WIDTH	Megalinear/Megaflex 12 - 150 mm Megapower 6 - 75 mm
PITCH	T10, AT5, AT10, AT20, RPP14, QST8, QST14, GW 14, GW 20
TENSION MEMBER	Steel, HP, HF, HPF, Stainless Steel, Kevlar®
FEATURES	High strength and high flex strength cords available



### MEGADYNE PU AND RUBBER PV BELTS

SUPPLIED AS	Endless
LENGTH	Consult Megadyne
SECTION	PJ, PK, PL
TENSION MEMBER	Nylon Elastic Cord, Polyester
FEATURES	Wear resistant and low maintenance



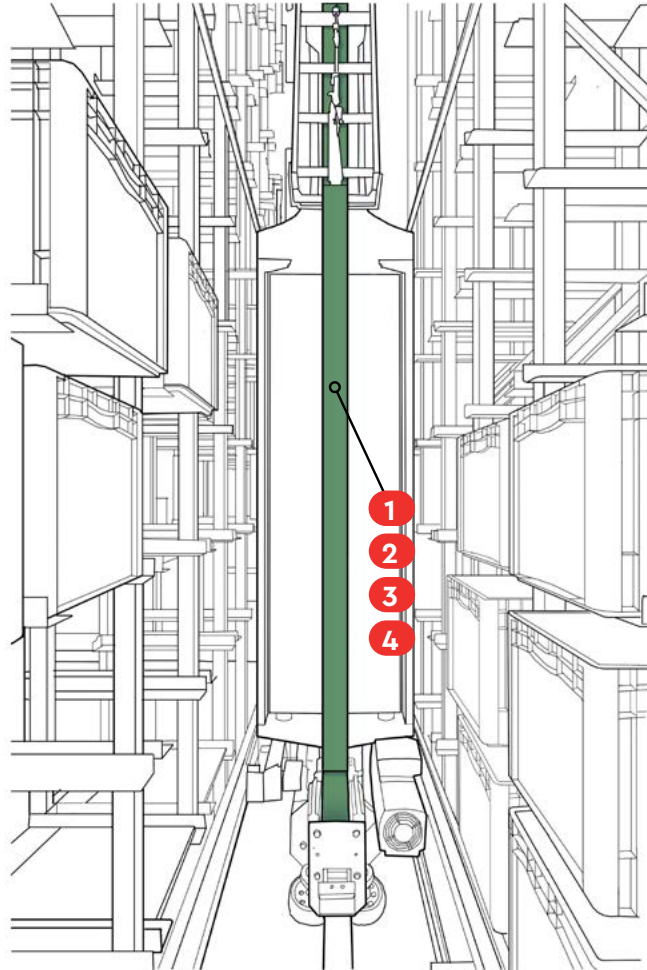
### MEGADYNE V-BELTS

SUPPLIED AS	Endless
LENGTH	Consult Megadyne
WIDTH	According to section
SECTION	Classical A, B; Cogged AX, BX
TENSION MEMBER	Polyester
FEATURES	Long life and good performance



# Automated Storage Retrieval System (ASRS)

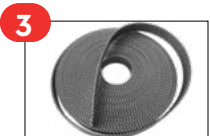
Large Warehouse and Distribution centers use computer aided technology to move and store small and large goods being inventoried. Megadyne high strength synchronous belts are used on both single and double mast fixed aisle lift systems, as well as on gantry cranes and carousel systems.



**MEGALINEAR**



**MEGALINEAR QST SYSTEM (BELT AND PULLEY)**



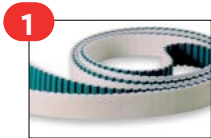
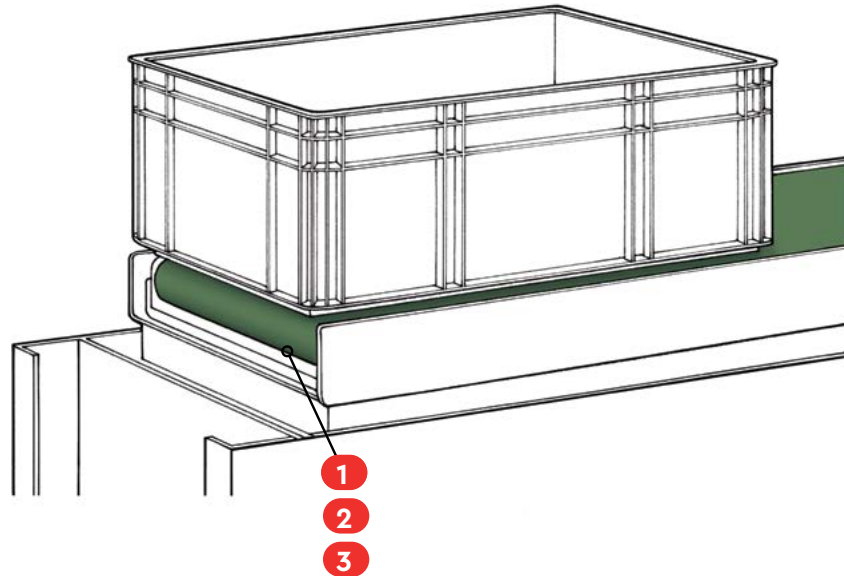
**RUBBER MOLDED STEEL RPP14**



**MEGALINEAR GW**

# Transport Platform

As part of the ASRS systems, transport platforms are used to shuttle the goods being stored from the lifting apparatus to the storage rack. Timing belts with high friction, wear resistant covers are used to telescope product into the dedicated storage location.



**MEGAFLEX WITH COVER**



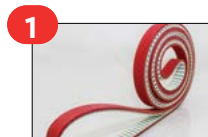
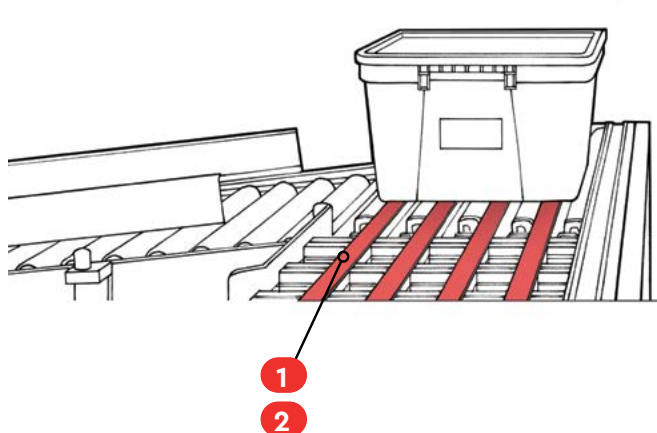
**RUBBER TIMING BELTS**



**MEGALINEAR WITH COVER**

# Offloading & Delivery Conveyors

Offloading and delivery conveyors are typically fitted with flat belts, however multiple path polyurethane timing and rubber belts with high friction covers are also common. Cover materials can be added to urethane or rubber belt substrates to enhance grip and pull, or provide slip on back where product backup/accumulation occurs.



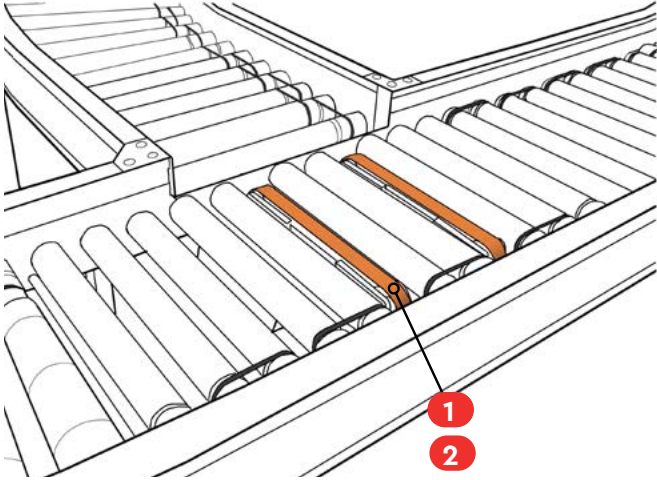
**TPU/RUBBER TIMING BELTS WITH COVERS**



**MOLDED RUBBER OR URETHANE MEGAFLAT BELTS WITH COVERS**

# Diverters

Offloading of product for specific fulfillment needs can be accomplished with high friction belt right angle diverters. Starting with a base synchronous belt, we offer a broad range of high friction covers materials that can be added to Megalinear and Megaflex TPU belts.



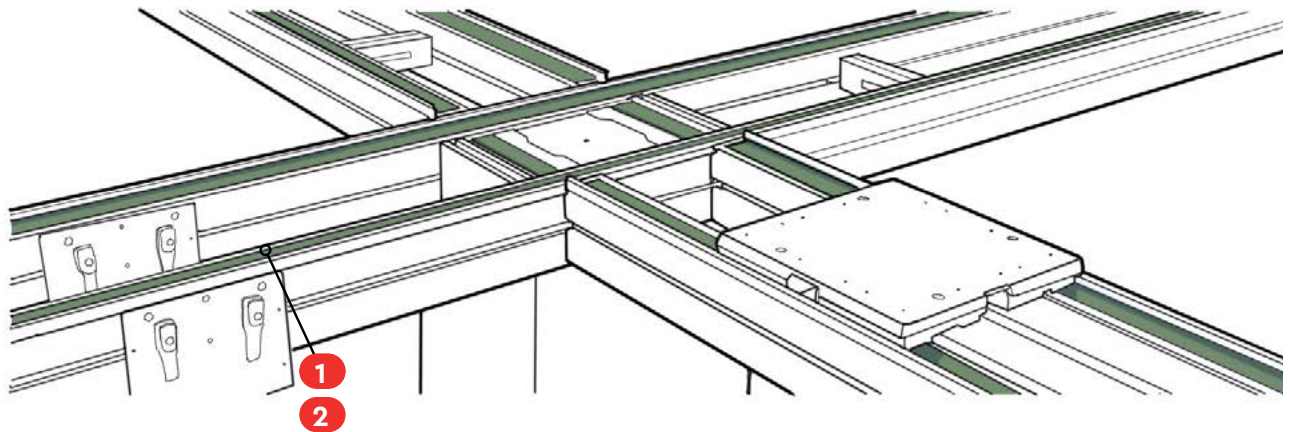
**TPU SYNCHRONOUS BELTS**



**RUBBER SYNCHRONOUS**

# Pallet Conveyors

Pallet Handling Conveyors are designed to move light to heavy loads in a precise, flexible manner. Megadyne can provide conveying surfaces with either high or low friction features.



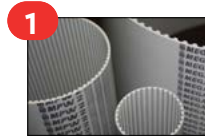
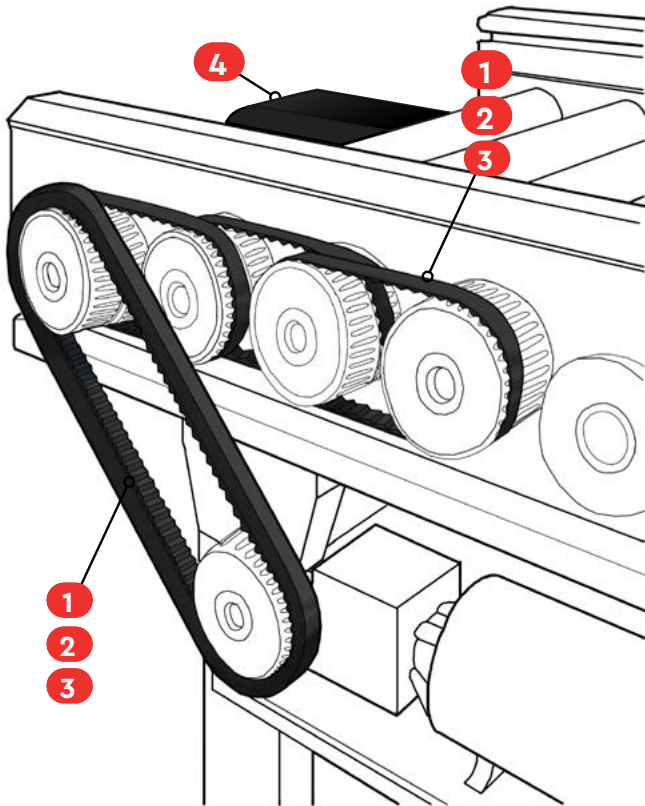
**MEGALINEAR**



**MEGAFLAT**

# Roller Conveyors

Megadyne offers several belt options for use on roller conveyor applications. For Power Transmission we offer rubber v belts as well as rubber and urethane timing and poly-vee belts. For outside conveyor frame roller drives we offer timing and poly-vee belts with both stable and elastic tension members. Additionally we offer an extruded urethane belt for under roller drives.



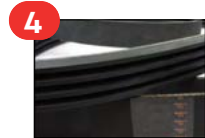
**MEGAPOWER 2 PU SYNCHRONOUS BELTS**



**RUBBER SYNCHRONOUS AND V BELTS**



**RUBBER & PU PV BELTS**



**URETHANE LIVE ROLLER BELTS**

## Application Solution

Application:  
Previous belt:  
Previous drive problems:  
Solution:

Automatic warehouse  
Metal chain  
Required lubrication and was noisy  
Megalinear QST14 with XHP steel cords. QST (quiet self-tracking) belts possess an advanced double helical tooth design ensuring accurate product movement and low noise, compact drive, self-tracking properties, lighter weight and lower inertia than chain drives.



**AUSTRALIA**

**Victoria**  
 au-ptsales@ammega.com

**BRASIL**

**Sorocaba**  
 Info.br@megadynegroup.com

**CANADA**

**Edmonton**  
 Info.ca@megadynegroup.com

**Montreal**

Info.ca@megadynegroup.com

**Toronto**

Info.ca@megadynegroup.com

**CHINA**

**Beijing**  
 info.cn@megadynegroup.com

**Foshan**

info.cn@megadynegroup.com

**Ningbo\***

info.cn@megadynegroup.com

**Qingdao\***

info.cn@megadynegroup.com

**Shanghai**

info.cn@megadynegroup.com

**Xi'an**

info.cn@megadynegroup.com

**COLOMBIA**

**Bogotá**  
 Info.co@megadynegroup.com

**Cartagena**

Info.co@megadynegroup.com

**Mosquera – Cundinamarca**

Info.co@megadynegroup.com

**CZECH REPUBLIC**

**Prague**  
 Info.cz@megadynegroup.com

**FRANCE**

**Paris**  
 info.fr@megadynegroup.com

**GERMANY**

**Borchen**  
 info.de@megadynegroup.com

**HUNGARY**

**Budapest**  
 info.hu@megadynegroup.com

**INDIA**

**Chennai\***  
 info.in@megadynegroup.com

**IRELAND**

**Dublin**  
 ireland@challengept.com

**ISRAEL**

**Caesarea**  
 sales@megabelt.co.il

**ITALY**

**Turin\***  
 info@megadynegroup.com

**Pescara\***

info.it@megadynegroup.com

**Venice**

info.it@megadynegroup.com

**JAPAN**

**Nagoya**  
 info.jp@megadynegroup.com

**MEXICO**

**Mexico C.P.**  
 info.mx@megadynegroup.com

**PERU**

**Lima**  
 info.pe@megadynegroup.com

**POLAND**

**Bielsko Biala**  
 info.pl@megadynegroup.com

**SINGAPORE**

**Singapore**  
 Info.sg@megadynegroup.com

**SOUTH AFRICA**

**Johannesburg**  
 info.za@megadynegroup.com

**Cape Town**

info.za@megadynegroup.com

**SOUTH KOREA**

**Gyeonggi-do**  
 Info.kr@megadynegroup.com

**SPAIN**

**Vilanova\***  
 info.es@megadynegroup.com

**SWEDEN**

**Kristianstad**  
 info.se@megadynegroup.com

**THAILAND**

**Bangkok**  
 info.th@megadynegroup.com

**TURKEY**

**Izmir**  
 info.tr@megadynegroup.com

**U.K.**

**Birmingham**  
 info.uk@megadynegroup.com

**U.S.A**

**California**  
 info.us@megadynegroup.com

**Florida**

info.us@megadynegroup.com

**Illinois**

info.us@megadynegroup.com

**Georgia\***

info.us@megadynegroup.com

**New Jersey Americas HQ**

info.us@megadynegroup.com

**North Carolina\***

info.us@megadynegroup.com

**Oregon**

info.us@megadynegroup.com

**Texas**

info.us@megadynegroup.com

**GENERAL CONTACT INFORMATION**

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

**www.megadynegroup.com**

\* Manufacturing locations



**MEGADYNE**

© 2021 Megadyne.