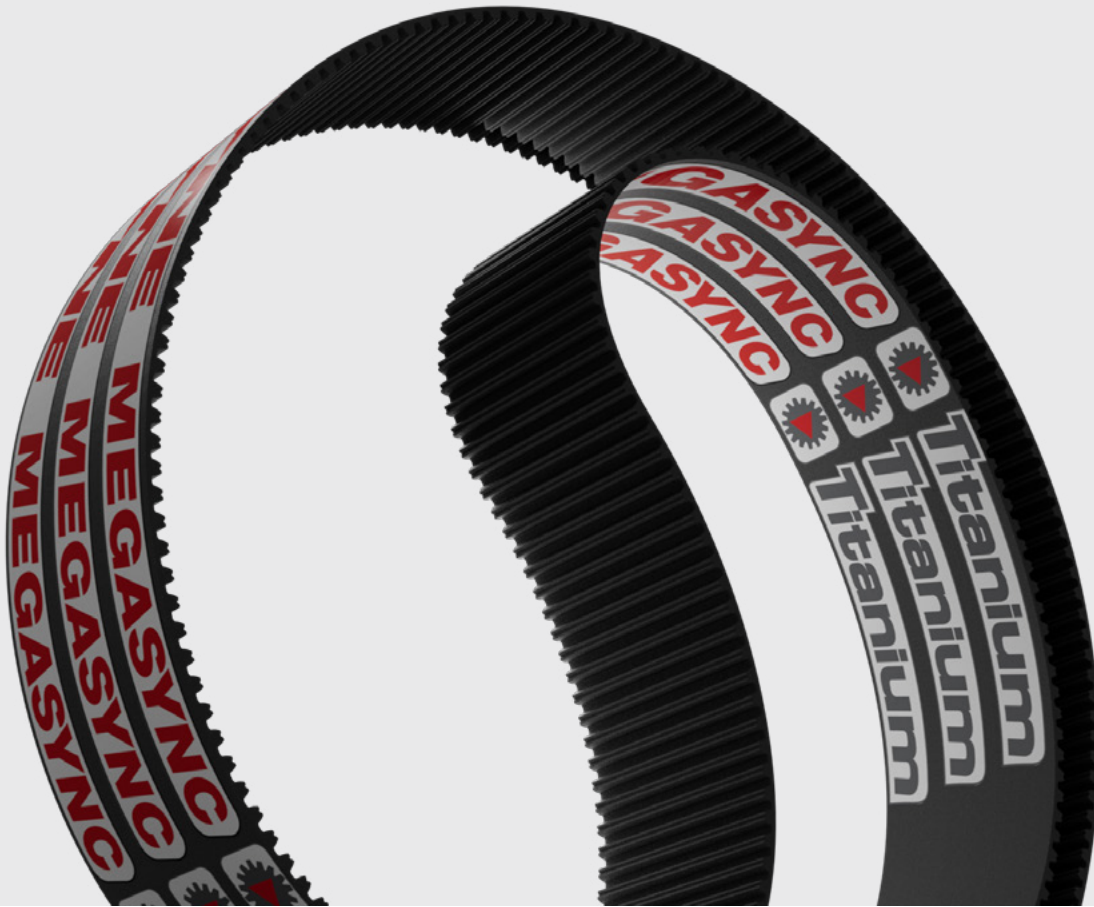




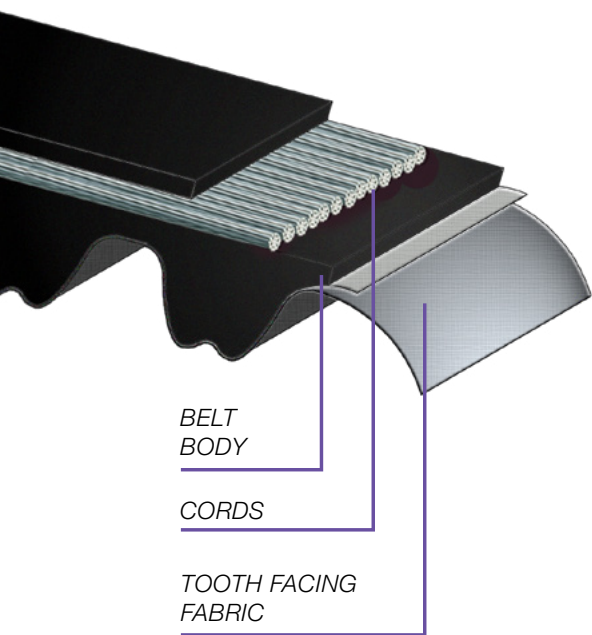
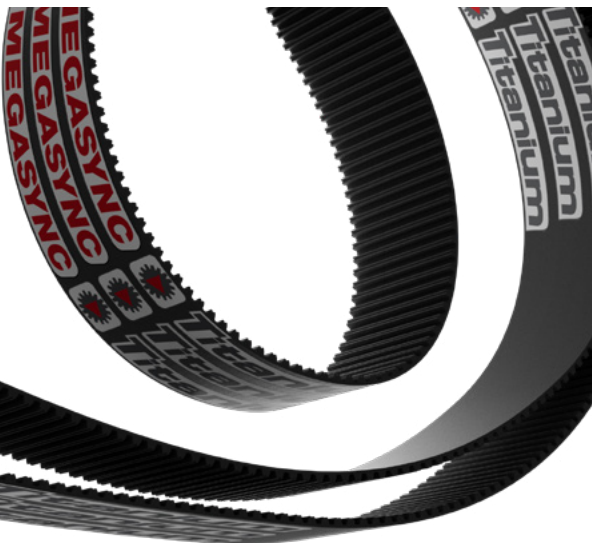
**MEGADYNE**



# **MEGASYNC™ TITANIUM**

PRODUCT  
BROCHURE

AM-EN



# MEGASYNC™ TITANIUM



## THE NEW STANDARD IN ULTRA HIGH-PERFORMANCE SYNCHRONOUS BELTS

Megadyne introduces one of the highest power density synchronous power transmission belt on the market - the next generation of synchronous belts surpassing the Platinum and other premium belt drives on the market today.

When you want to replace chains, gears or you need to provide a superior belt drive solution - you need **MEGADYNE MEGASYNC™ Titanium**.

With an enhanced design and innovative materials, Titanium has all the features and performance to make it the ideal belting solution in the most demanding applications.

## STRUCTURE

### BELT BODY

HNBR Elastomer uniquely cross-linked to increase tooth rigidity & durability.

- Superior resistance to flex fatigue
- Expanded range of working temperatures from -40°F to +248°F and ability to withstand peaks up to +284°F
- Highly resistant to mineral oils and abrasion

### CORDS

100% carbon, the cord provides extreme dimensional stability (no stretch) under static and dynamic operational loads.

- Maintenance-free, no need to re-tension.  
Dual spiral S & Z twist cord provides neutral tracking.
- Extremely accurate tooth meshing resulting in the reduction of abrasion, vibrations, & noise

### TOOTH FACING FABRIC

High-performing special fabric bonded to the tooth surface.

- Improved torque carrying capacity and tooth shear resistance
- Special film provides self-lubricating properties
- Long lasting durability and antistatic properties
- Low friction, increased drive efficiency with less sprocket wear

## RANGE

- **PROFILE:** RPC
- **PITCH:** 8M; 14M
- **LENGTH:** 8M from 248 to 4400 mm; 14M from 994 to 4956 mm
- **WIDTH:** Available in any width

## MAIN INDUSTRIES



MEGASYNC™ TITANIUM



# MEGASYNC™ TITANIUM

## ADDED FEATURES



## SUPERIOR POWER CAPACITY WITH A MORE COMPACT DRIVE SYSTEM

- Reliability
- Wide variety of applications
- Quieter operation
- Less maintenance
- Cost efficient drives
- Interchangeability
- Antistatic to ISO 9563

## BENEFITS

- Depending on the drive characteristics, potential to reduce at least one standard belt width from current drive belt- immediate cost savings, less overhung load on bearings and shafts, thus resulting in longer life of all components upstream and downstream.
- Narrower belt width means lower metal costs.
- Widest working temperature range: Titanium works on applications where other belts will not.
- Up to 50% or more power capacity than traditional synchronous belts on the market.
- Minimize upgrade problems on existing applications thanks to the high interchangeability of sprockets.
- Improved durability and efficiency, more sustainable.
- Available in any width.
- Lower noise and less weight than roller chain, gears or even polyurethane belts.
- Does not require lubrication nor frequent re-tensioning.
- On average lasts 3-4 times longer than roller chain; if already replacing roller chain once a year, it could be possible to extend maintenance interval to once every 3 years.

### NEW & EXTREME DRIVE DESIGNS

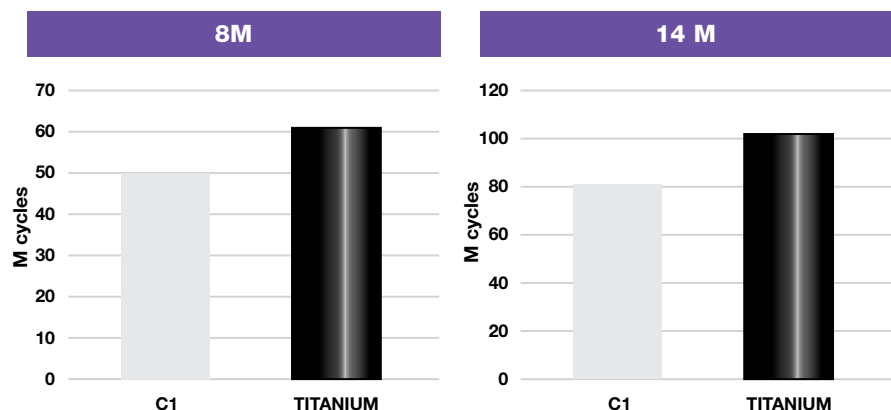
### EXISTING BELT SYSTEM UPGRADE

### CHAIN & GEAR REPLACEMENT

### DURABILITY TEST TITANIUM VS COMPETITORS



See more



Legend: C1 = Competitor 1

MEGASYNC™ TITANIUM



# Discover Your Local Contacts

The local partner of choice  
for sustainable power transmission belting solutions  
around the globe.



**General contact information:**

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West Caldwell, NJ 07006  
United States



Scan the QR code  
and find your local  
contact



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