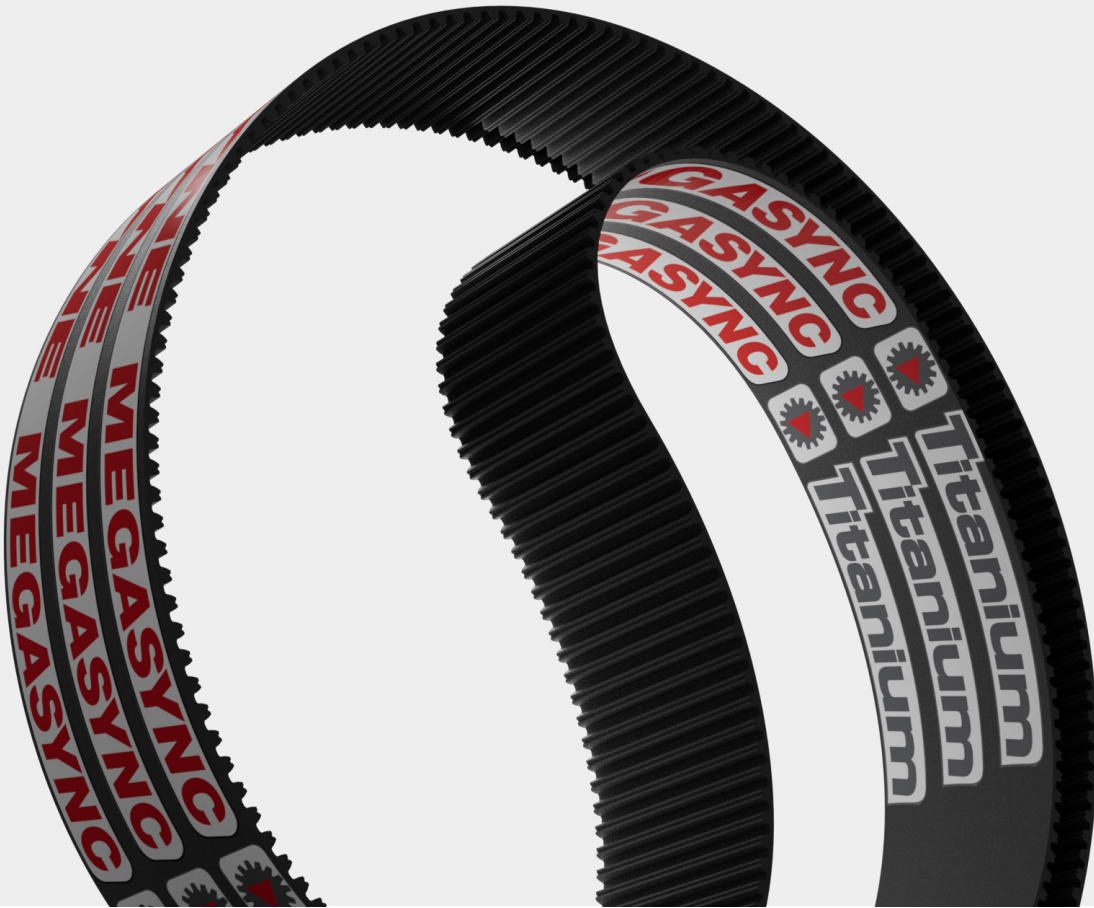




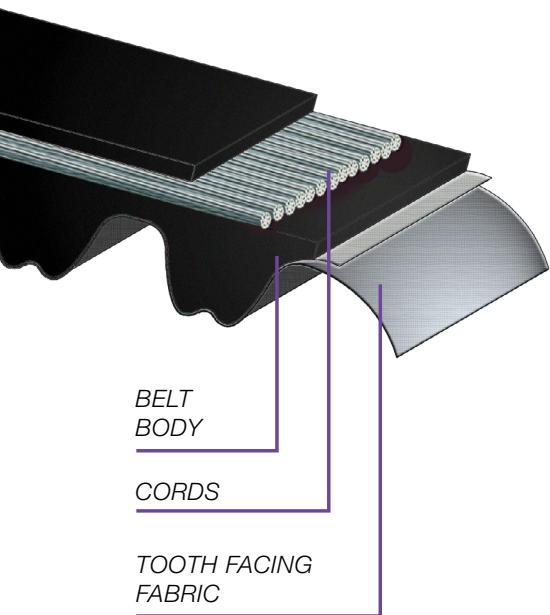
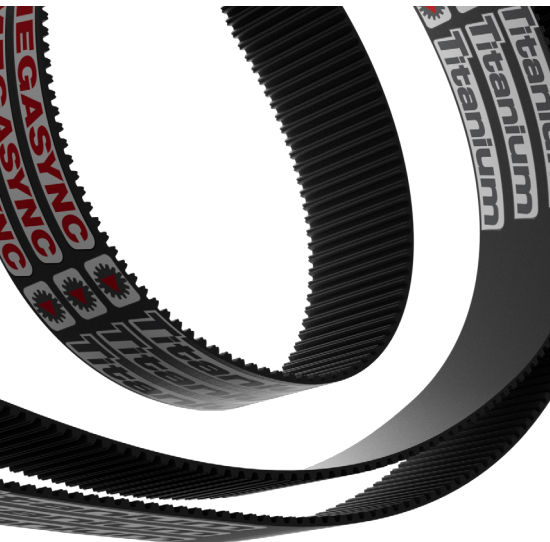
MEGADYNE



MEGASYNC™ TITANIUM

PRODUCT
BROCHURE

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MEGASYNC™ TITANIUM

MEGADYNE 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°C (-40°F) to +120°C (+248°F) and ability to withstand peaks up to +140°C (+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

ANTISTATIC
according to ISO 9563



RANGE

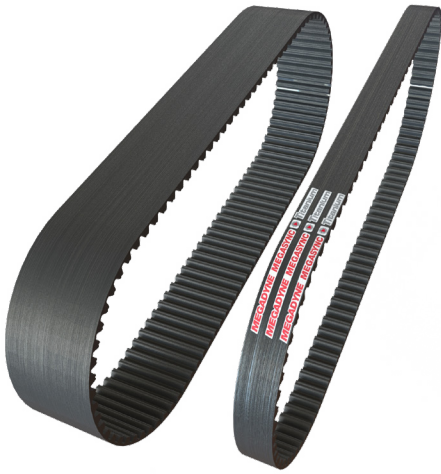
- **PROFILE:** RPC
- **PITCH:** 8M; 14M
- **LENGTH:** 8M from 248 to 4400 mm; 14M from 994 to 4956 mm
- **WIDTH:** Available in any width

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

MAIN INDUSTRIES



See more



HVAC



TEXTILE



WOOD



MARBLE



ALUMINIUM



HEAVY
INDUSTRY



MATERIAL
HANDLING



LOGISTICS

MEGASYNC™ TITANIUM

megadynegroup.com

Discover Your Local Contacts

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

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Scan the QR code
and find your local
contact

