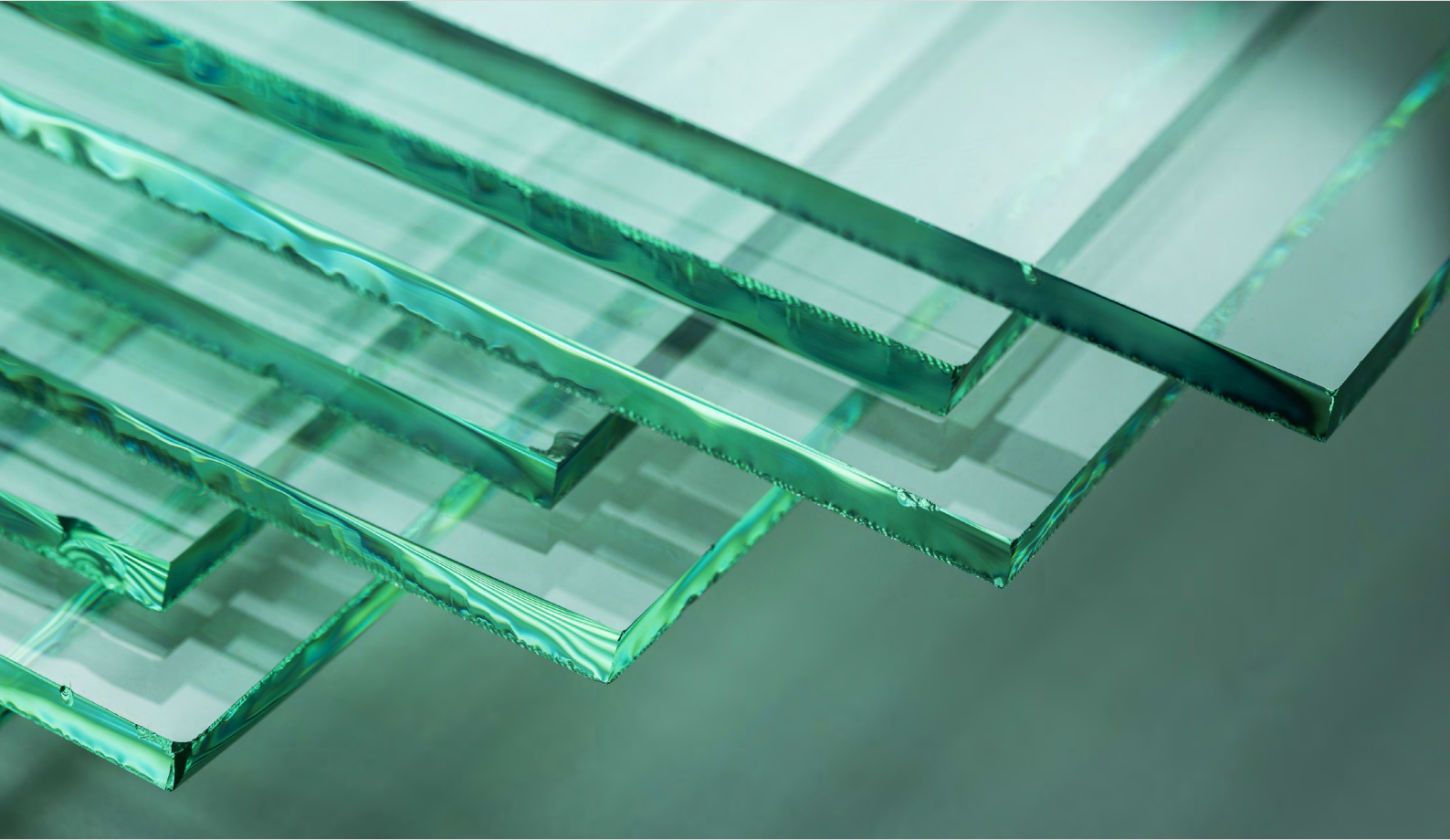




MEGADYNE



EN

GLASS

INDUSTRY
BROCHURE

THE GLASS INDUSTRY



In the flat glass industry, accurate positioning and careful handling are critical at every stage of production. We understand these demands and support customers with deep expertise and proven solutions. Our portfolio includes a comprehensive range of belts, processing capabilities and material options designed specifically for the glass industry. Key applications include: smooth general conveying, precision handling of coated or delicate surfaces, and high-speed, bi-directional movement for cutting and reworking operations.

Megadyne has been catering to your needs since 1957, designing and manufacturing power transmission belts, matching components and complete belt systems for all types of equipment. We are a reliable partner for original equipment manufacturers and aftermarket distributors, with: 9 manufacturing plants across Europe, North America, and Asia; more than 170 Customer Solution Centres; and 3 main distribution hubs around the world, enabling efficient delivery to both large industrial sites and remote locations.

BELT PROPERTIES



MEGADYNE MEGASYNC™ RUBBER ENDLESS TIMING BELTS

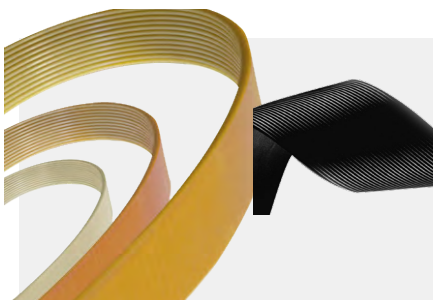
SUPPLIED AS	Endless
LENGTH	248 - 4 956 mm
WIDTH	12 - 170 mm*
PITCH	SLV3 8M, SLV3 14M, GLD2 8M, GLD2 14M, TTM8, TTM14
TENSION MEMBER	Fiberglass and Carbon fiber
FEATURES	High stability and resistance, antistatic

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



MEGADYNE POLYURETHANE TIMING BELTS

SUPPLIED AS	Open-ended roll - Endless - Joined - PPJ
LENGTH	MEGALINEAR 0,5 - 100 m / MEGAFLEX 1,5 - 22,60 m MEGAPOWER 225 - 2 250 mm
WIDTH	MEGALINEAR / MEGAFLEX 12 - 150 mm MEGAPOWER 6 - 75 mm
PITCH	T10, AT5, AT10, AT20, RPP14 XHP, QST8, QST14, GW14, GW20
TENSION MEMBER	Steel - HP - HF - HPF - Stainless Steel - Kevlar®
FEATURES	High-resistance belts available in different lengths



MEGADYNE PV RIBBED BELTS

SUPPLIED AS	Endless
LENGTH	PH 584 - 1 975 mm; PJ 350 - 2 489 mm; PK 588 - 2 555 mm
WIDTH	Consult Megadyne
PITCH	PH, PJ, PK
TENSION MEMBER	Polyester
FEATURES	Long life and good performance



MEGADYNE V-BELTS

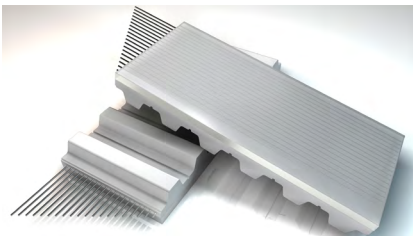
SUPPLIED AS	Endless
LENGTH	Consult Megadyne
WIDTH	According to section
PITCH	Wrapped A, B; Raw edge AX, BX
TENSION MEMBER	Polyester
FEATURES	Long life and good performance



MEGADYNE ROLLPOWER™	
SUPPLIED AS	Endless
LENGTH	206 - 770
WIDTH	Standard 2, 3, 4 ribs; special on request
PITCH	PJ
TENSION MEMBER	Elastic Polyamide
FEATURES	Stable tension over time, smooth-running, high-resistance

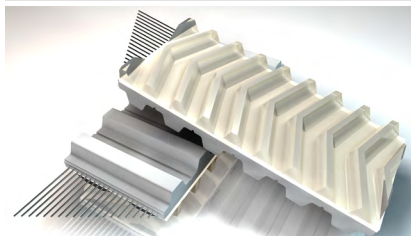
SPECIAL COVERS

AVAFC 60/70/85



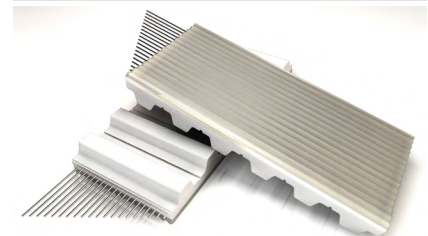
MATERIAL	Polyurethane
COLOUR	Transparent
Excellent cut and wear resistance and good oil resistance.	

PU FISHBONE



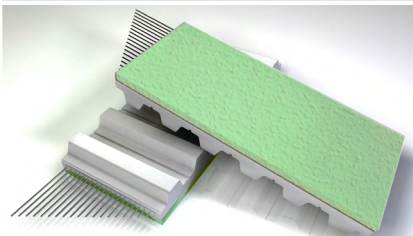
MATERIAL	Polyurethane
COLOUR	Transparent
Suitable for wet environments where friction and drainage are necessary.	

PU RIBBED



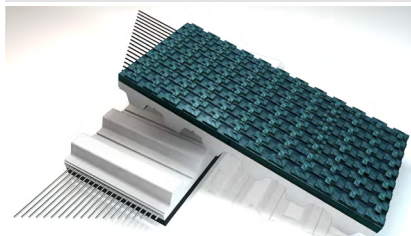
MATERIAL	Polyurethane
COLOUR	Transparent
Reduced contact point for conveying smooth products. Allows drainage of liquids.	

SYLOMER GREEN



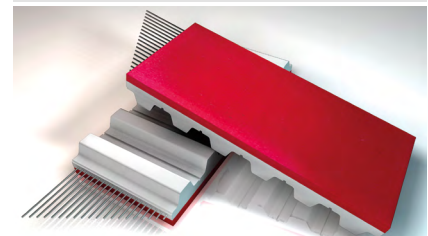
MATERIAL	PU Foam
COLOUR	Green
15 Sha offers high dynamic load capacity for top pressure belts.	

SUPERGRIP PETROL



MATERIAL	PVC
COLOUR	Petrol Green
High CoF, applicable for slight height compensation, low shock-absorption capabilities. Improved adhesion even in the presence of moisture.	

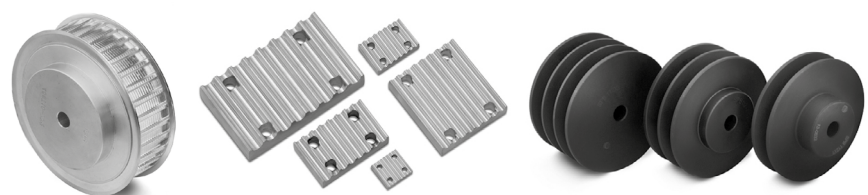
RED GRIP



MATERIAL	PU/Synthetic Rubber
COLOUR	Red
A seamless alternative to LINATEX™. Only available on MEGAFLEX.	

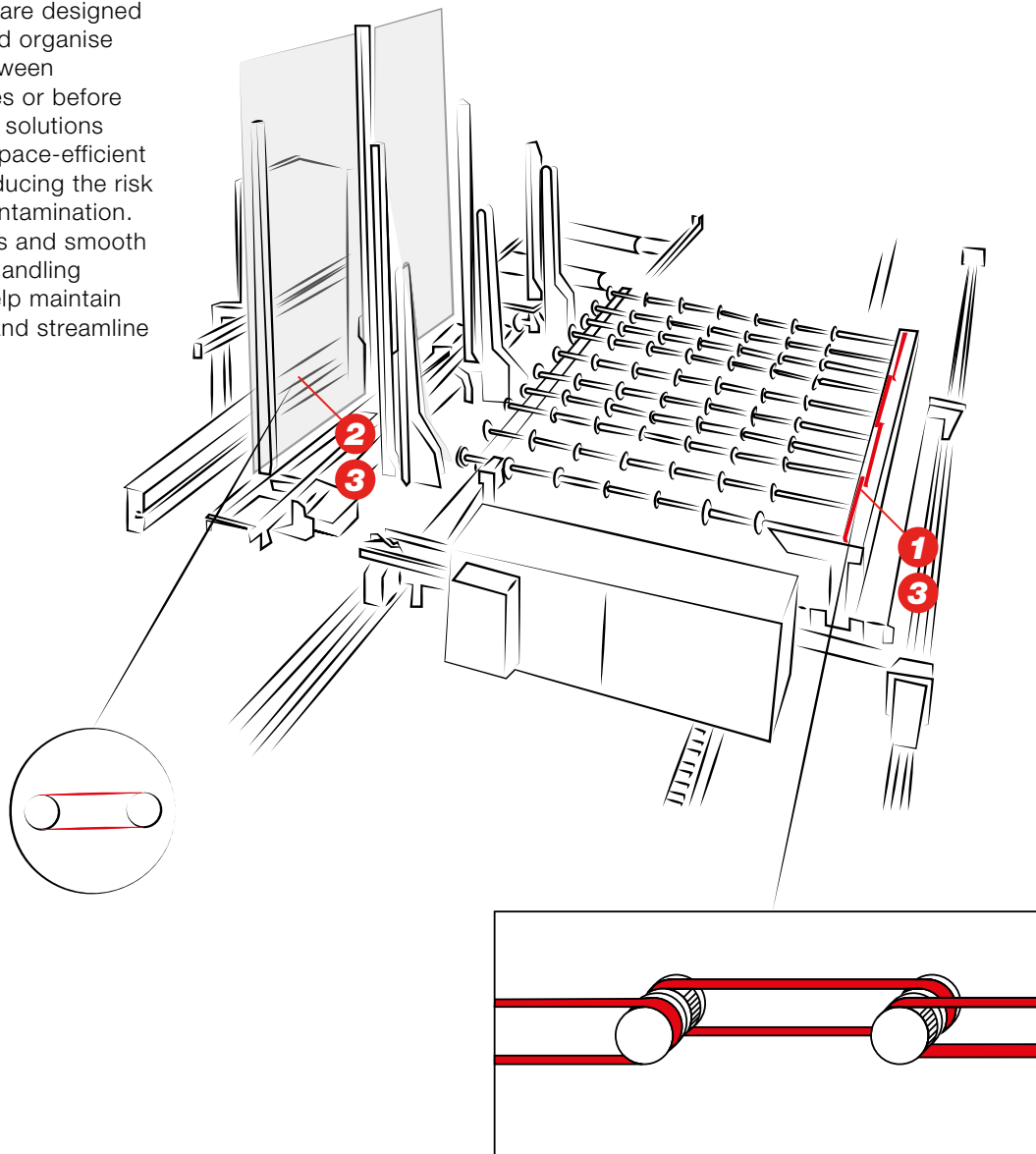
METAL DRIVE COMPONENTS

Use an extensive range of pulleys and accessories like timing bars, flanges, clamping plates, couplings to design a complete drive transmission system.



STORAGE SYSTEM

Flat glass storage systems, essential in manufacturing and processing, are designed to safely hold and organise glass sheets between production stages or before shipment. These solutions ensure secure, space-efficient storage while reducing the risk of damage or contamination. With easy access and smooth integration into handling systems, they help maintain product quality and streamline operations.



MEGASYNC™

Rubber endless timing belts made of high-quality rubber compounds, and high-performance tension members.

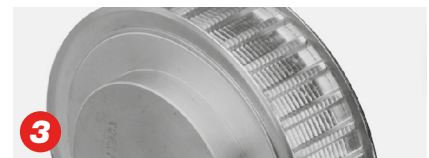
- Molded to length and pitch designation
- High-performance
- Low-noise



MEGALINEAR

Thermoplastic polyurethane and S & Z parallel cord, supplied as endless joined belts and available in any length.

- Suitable for high-speed conveying
- High resistance to fatigue

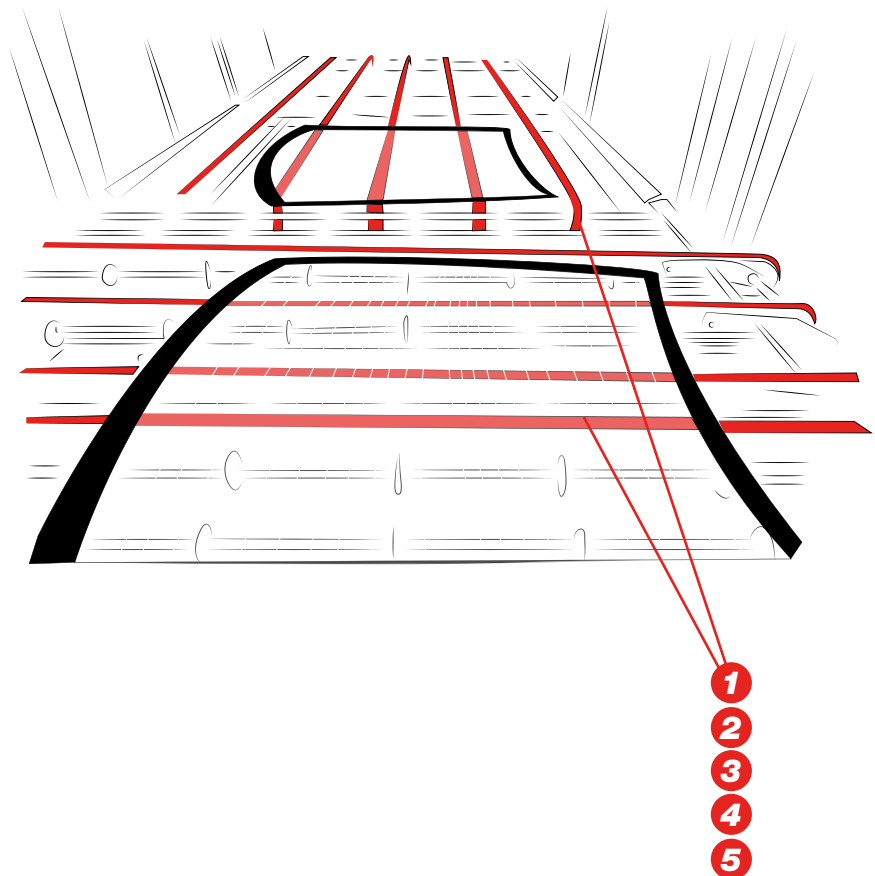


PULLEYS

- Available in cast or in laminated metal material
- Standard or special custom-made profile

TRANSFER CONVEYORS

Transfer conveyors are a crucial component of the float glass manufacturing process, designed to move glass sheets efficiently between different stages of production and handling. These conveyors facilitate smooth and safe transportation of glass, minimizing the risk of damage.



MEGASYNC™

Rubber endless timing belts made of high-quality rubber compounds, and high-performance tension members.

- Molded to length and pitch designation
- High-performance
- Low-noise



POLYURETHANE NON-MARKING TIMING BELTS

Truly endless or joined timing belts with thermoplastic polyurethane with high-strength helically wound zinc-coated steel tension members.

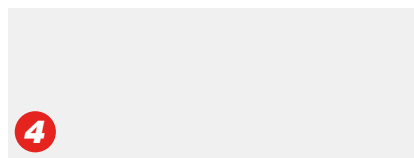
- Non-marking
- Smooth-drive
- High-friction



MEGADYNE ROLLPower

Elastic ribbed rubber belt designed to outperform on roller conveyors.

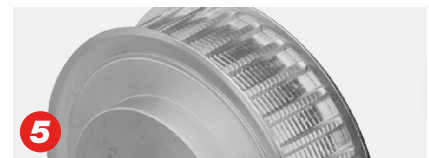
- Stable tension over time
- Smooth, reliable, and quiet running
- Long life expectancy
- Speed up to 3 m/s
- Easy to install and replace



MEGALINEAR LIVE ROLLER (MLR45)

Polyurethane timing belt 85° ShA in standard green and alternative version with black antistatic fabric on the bottom.

- Extended life in demanding applications
- Green translucent finish for easy detection
- High-friction surface
- Low maintenance

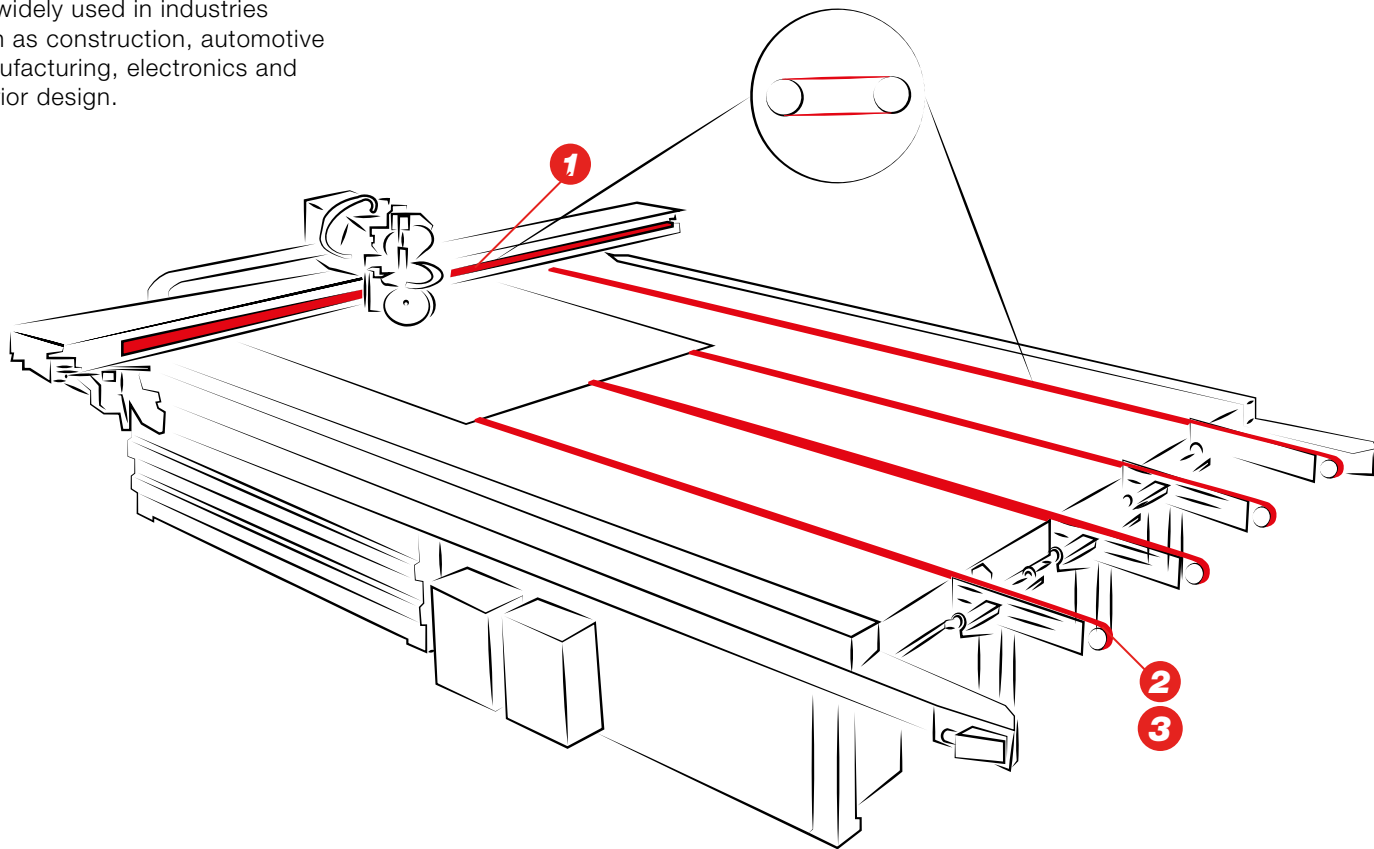


PULLEYS

- Available in cast or in laminated metal material
- Standard or special custom-made profile

CUTTING MACHINE

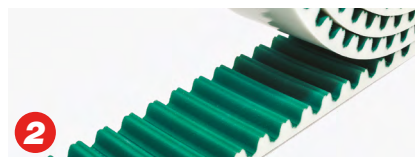
Glass cutting machines are specialised equipment designed to cut flat glass sheets into desired sizes or shapes. These machines are widely used in industries such as construction, automotive manufacturing, electronics and interior design.



MEGALINEAR

Thermoplastic polyurethane and S & Z parallel cord, supplied as endless joined belts and available in any length.

- Suitable for high-speed conveying
- High resistance to fatigue



SPECIAL POLYURETHANE BELT

Thermoplastic PU 92 ShA belts, supplied as open-length rolls or as endless joined belts; available in various tooth designs and cords.

- Supplied with high-friction non-marking homogenous cover

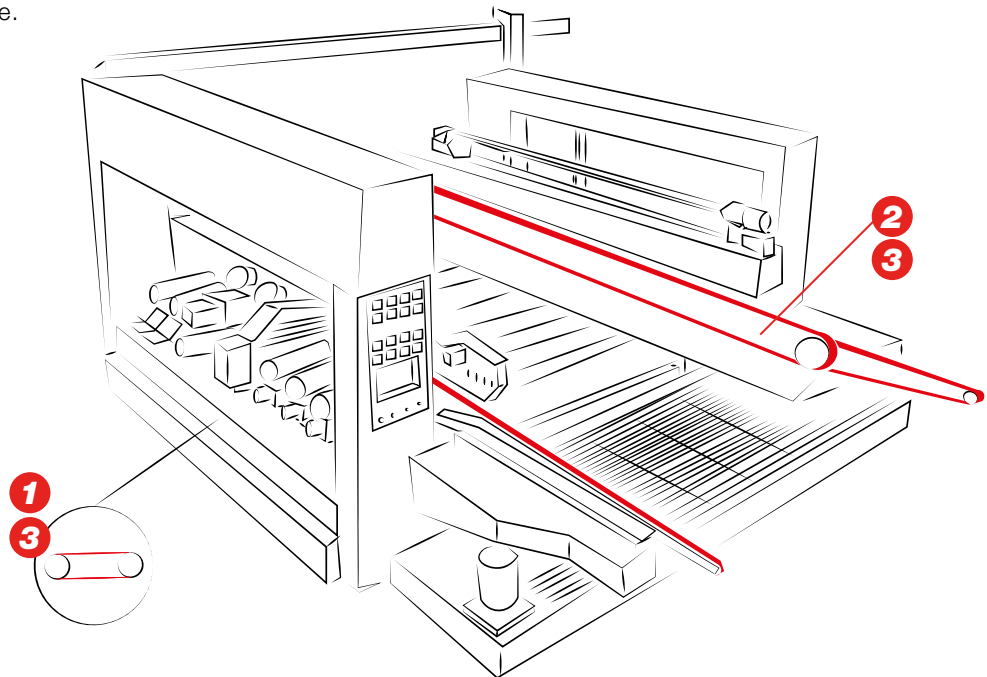


PULLEYS

- Available in cast or in laminated metal material
- Standard or special custom-made profile

EDGE GRINDING MACHINE

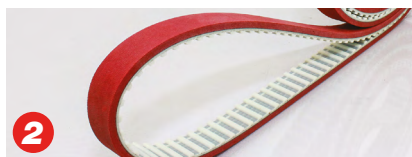
A flat glass edge grinding machine is specialised equipment designed to smooth and finish the edges of flat glass sheets. These machines are widely used in industries such as construction, automotive manufacturing, furniture making and glassware manufacturing. They focus on removing sharpness, achieving safety standards, and creating a clean edge profile, which may also serve as a decorative feature.



MEGASYNC™

Rubber endless timing belts made of high-quality rubber compounds, and high-performance tension members.

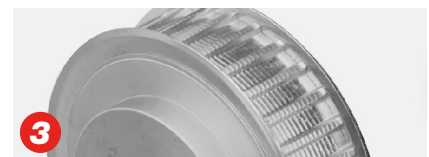
- Molded to length and pitch designation
- High-performance
- Low-noise



SPECIAL POLYURETHANE BELT

Thermoplastic PU 92 ShA belts, supplied as open-length rolls or as endless joined belts; available in various tooth designs and cords.

- Supplied with high-friction non-marking homogenous cover

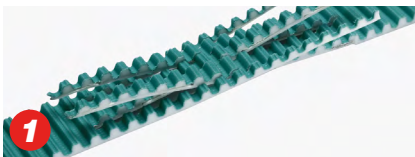
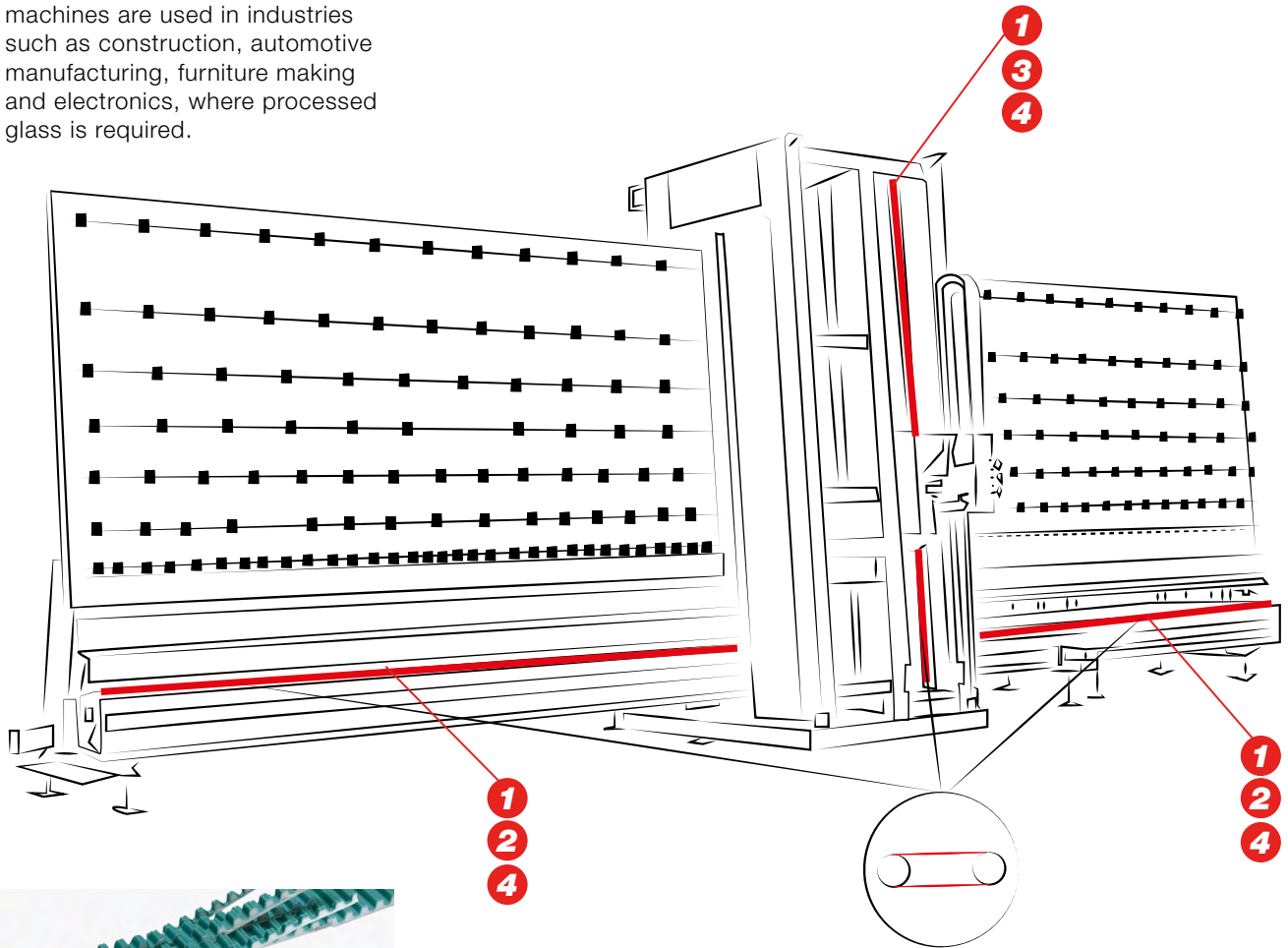


PULLEYS

- Available in cast or in laminated metal material
- Standard or special custom-made profile

DRILLING & MILLING MACHINE

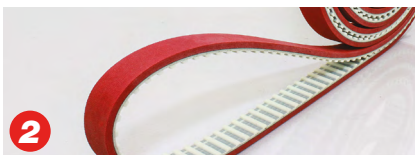
Drilling & milling machines are specialised CNC or automated machines designed to drill holes, mill slots and shape float glass sheets with high precision. These machines are used in industries such as construction, automotive manufacturing, furniture making and electronics, where processed glass is required.



MEGALINEAR

Thermoplastic polyurethane and S & Z parallel cord, supplied as endless joined belts and available in any length.

- Suitable for high-speed conveying
- High resistance to fatigue



SPECIAL POLYURETHANE BELT

Thermoplastic PU 92 ShA belts, supplied as open-length rolls or as endless joined belts; available in various tooth designs and cords.

- Supplied with high-friction non-marking homogenous cover



MEGASYNC™

Rubber endless timing belts made of high-quality rubber compounds, and high-performance tension members.

- Molded to length and pitch designation
- High-performance
- Low-noise

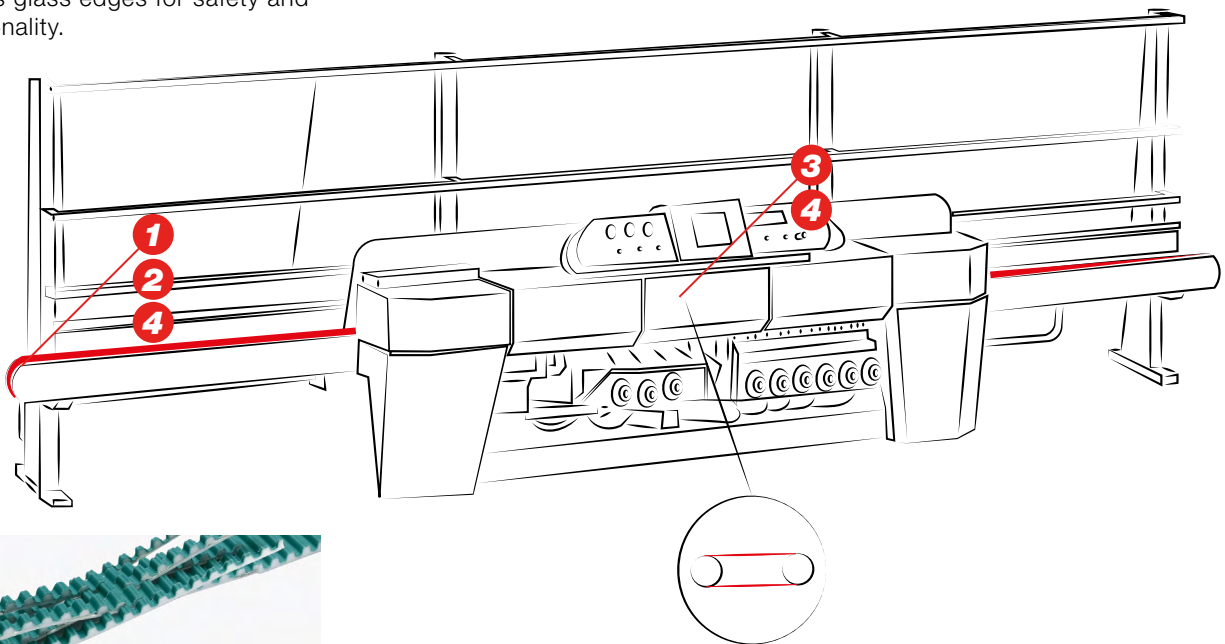


PULLEYS

- Available in cast or in laminated metal material
- Standard or special custom-made profile

BEVELLING MACHINE

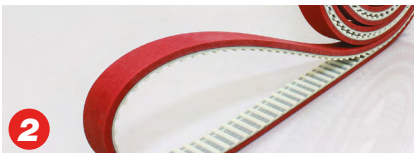
A float glass beveling machine is a specialised piece of equipment designed to create precise, angled edges (bevels) on float glass, which is a type of flat, smooth glass manufactured using the float glass process. This machine is commonly used in industries producing decorative glass, mirrors and architectural elements. The main difference between a beveling machine and an edge grinding machine is that a beveling machine creates angled, decorative edges for aesthetics, while an edging machine create smooths and shapes glass edges for safety and functionality.



MEGALINEAR

Thermoplastic polyurethane and S & Z parallel cord, supplied as endless joined belts and available in any length.

- Suitable for high-speed conveying
- High-resistance to fatigue



SPECIAL POLYURETHANE BELT

Thermoplastic PU 92 ShA belts, supplied as open-length rolls or as endless joined belts; available in various tooth designs and cords.

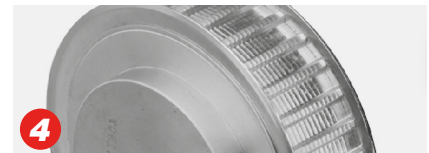
- Supplied with high-friction non-marking homogenous cover



MEGASYNC™

Rubber endless timing belts made of high-quality rubber compounds, and high-performance tension members.

- Molded to length and pitch designation
- High-performance
- Low-noise

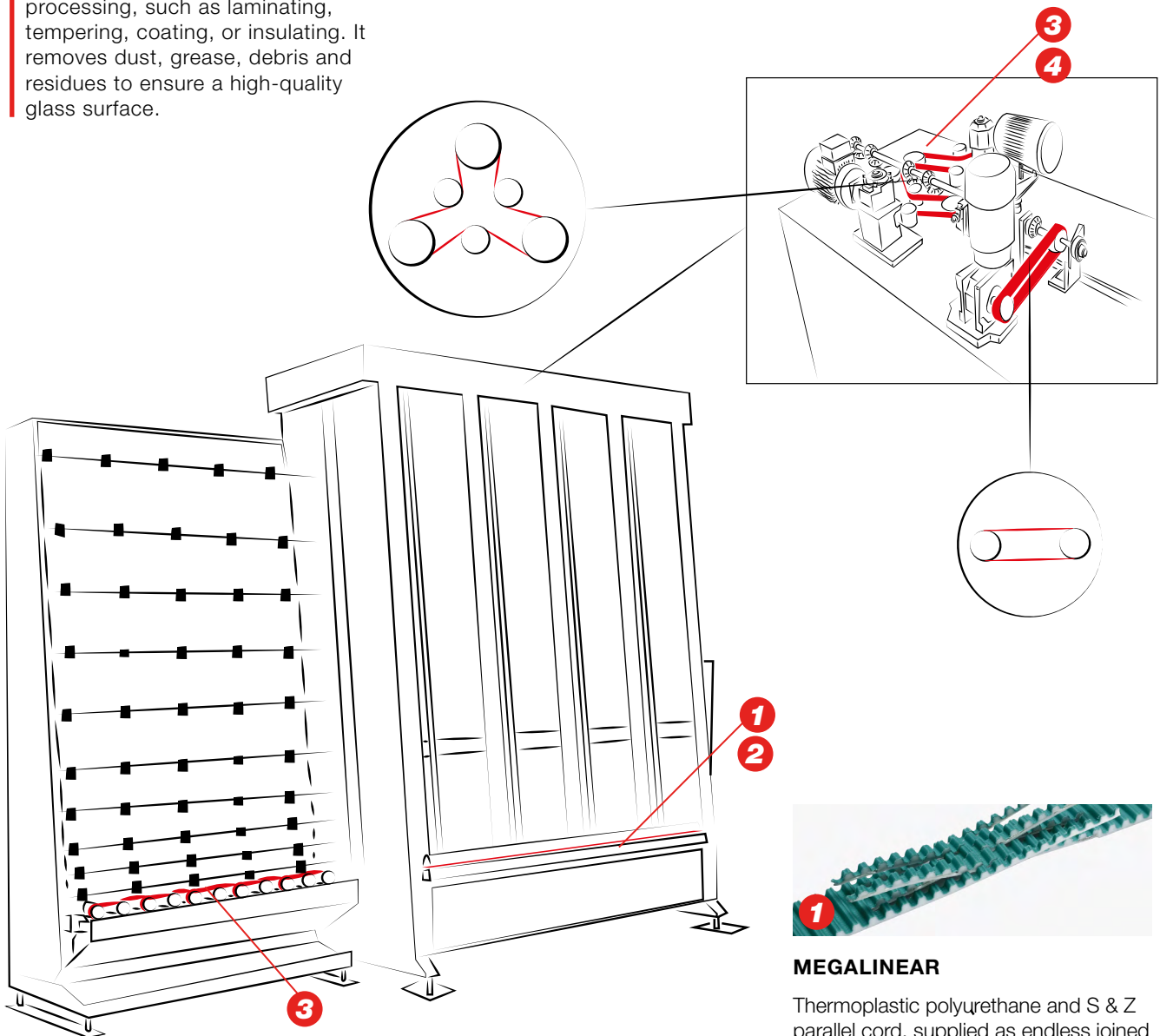


PULLEYS

- Available in cast or in laminated metal material
- Standard or special custom-made profile

WASHING MACHINE

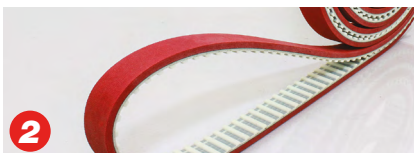
A float glass washing machine is a specialised industrial machine designed to clean and dry float glass sheets before further processing, such as laminating, tempering, coating, or insulating. It removes dust, grease, debris and residues to ensure a high-quality glass surface.



MEGALINEAR

Thermoplastic polyurethane and S & Z parallel cord, supplied as endless joined belts and available in any length.

- Suitable for high-speed conveying
- High-resistance to fatigue



SPECIAL POLYURETHANE BELT

Thermoplastic PU 92 ShA belts, supplied as open-length rolls or as endless joined belts; available in various tooth designs and cords.

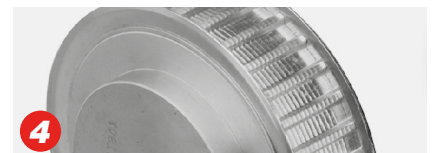
- Supplied with high-friction non-marking homogenous cover



MEGASYNC™

Rubber endless timing belts made of high-quality rubber compounds, and high-performance tension members.

- Molded to length and pitch designation
- High-performance
- Low-noise

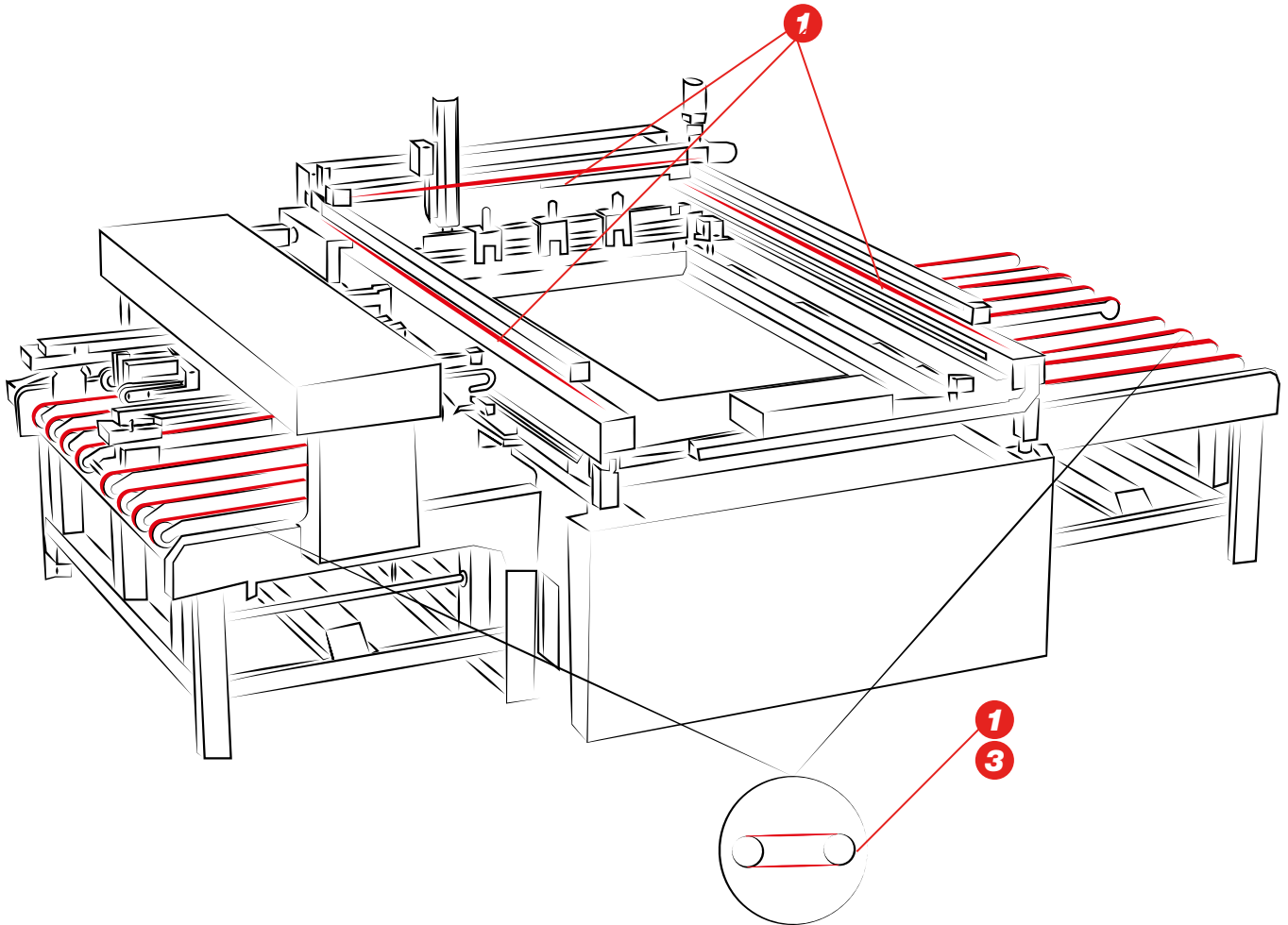


PULLEYS

- Available in cast or in laminated metal material
- Standard or special custom-made profile

PRINTING MACHINE

Flat glass printing machines are specialised devices designed to print images, patterns or text directly onto flat glass surfaces. These machines are widely used in industries such as construction, interior design and automotive manufacturing to create decorative and functional glass products.



MEGALINEAR

Thermoplastic polyurethane and S & Z parallel cord, supplied as endless joined belts and available in any length.

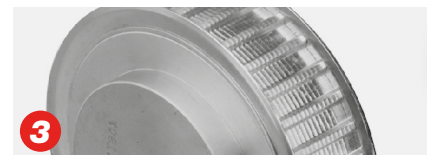
- Suitable for high-speed conveying
- High-resistance to fatigue



SPECIAL POLYURETHANE BELT

Thermoplastic PU 92 ShA belts, supplied as open-length rolls or as endless joined belts; available in various tooth designs and cords.

- Supplied with high-friction non-marking homogenous cover

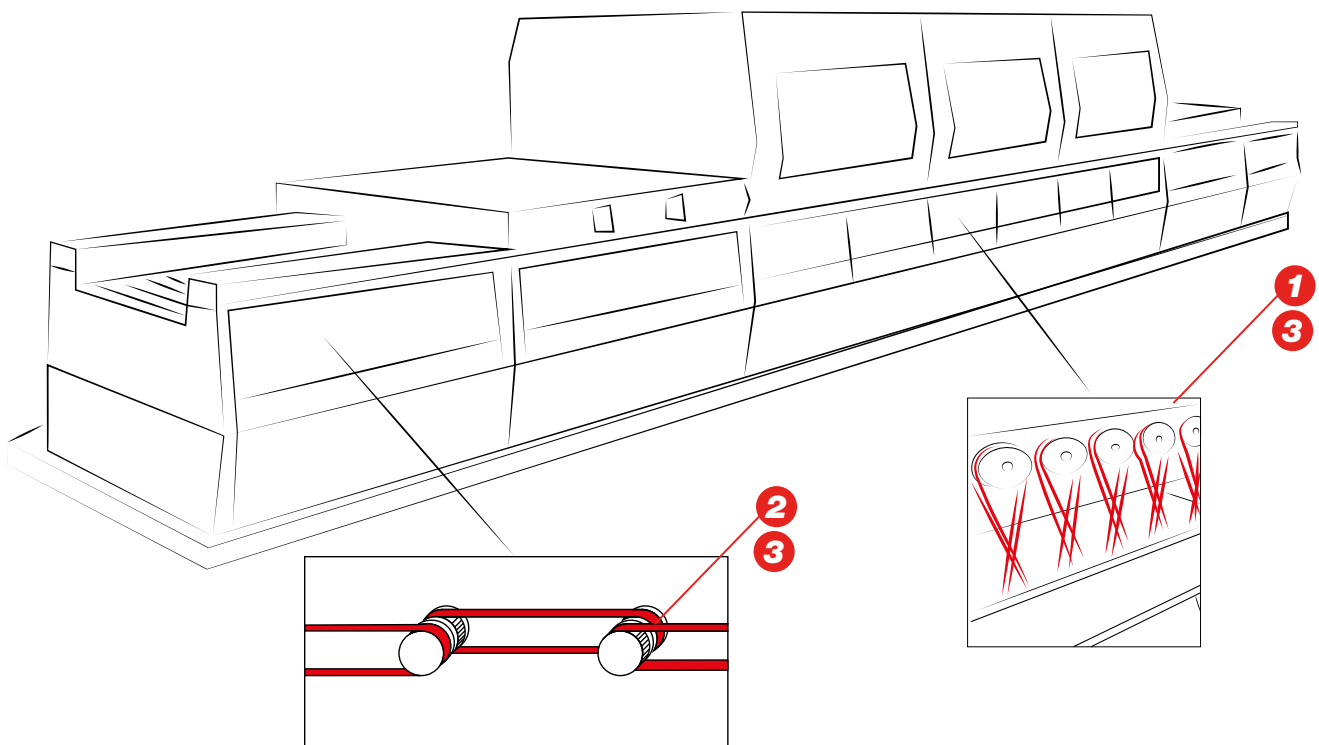


PULLEYS

- Available in cast or in laminated metal material
- Standard or special custom-made profile

TEMPERING & TOUGHENING SYSTEM

Glass is tempered or toughened by heating it to high temperatures. A properly toughened or tempered glass withstands greater pressure, has greater resistance to thermal stresses, and breaks into granulated chunks without dangerous jagged edges. Tempered or toughened glass is used in industries such as automotive manufacturing, construction, furniture making and home appliances.



MEGAWELD

Thermoplastic PU belts with different hardnesses and custom cross sections.

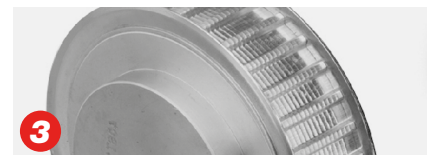
- High-flexibility and grip
- Excellent resistance to ageing and abrasion



MEGASYNC™

Rubber endless timing belts made of high-quality rubber compounds, and high-performance tension members.

- Molded to length and pitch designation
- High-performance
- Low-noise

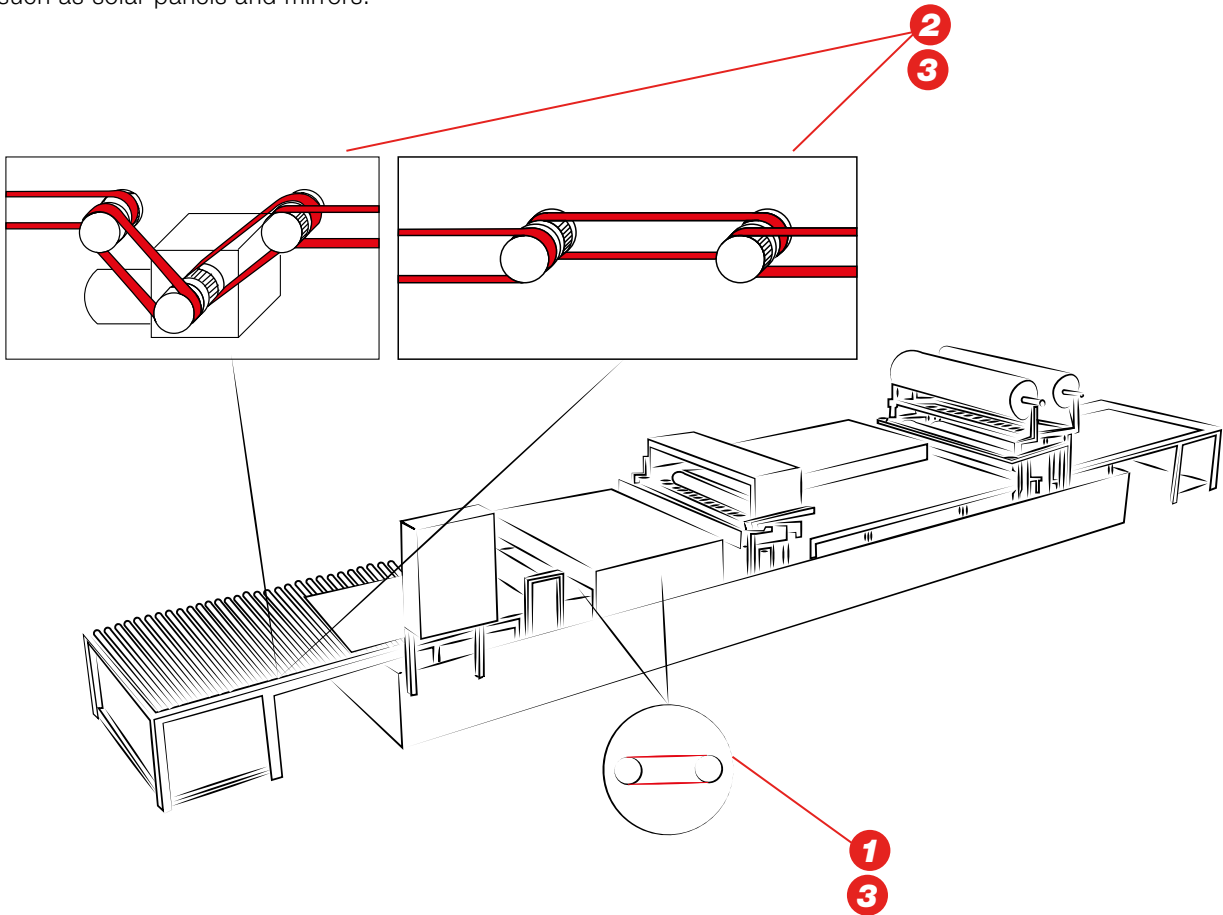


PULLEYS

- Available in cast or in laminated metal material
- Standard or special custom-made profile

COATING & LAMINATING SYSTEM

Flat glass coating and laminating systems are specialised technologies used to enhance the functionality, durability and aesthetics of flat glass. These systems play a critical role in applications such as architectural glazing, automotive glass, and specialty glass products such as solar panels and mirrors.



MEGALINEAR

Thermoplastic polyurethane and S & Z parallel cord, supplied as endless joined belts and available in any length.

- Suitable for high-speed conveying
- High-resistance to fatigue



MEGASYNC™

Rubber endless timing belts made of high-quality rubber compounds, and high-performance tension members.

- Molded to length and pitch designation
- High-performance
- Low-noise



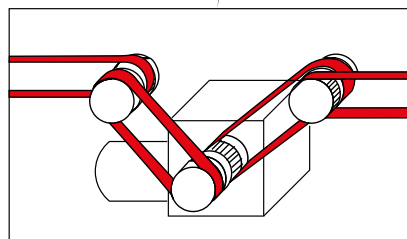
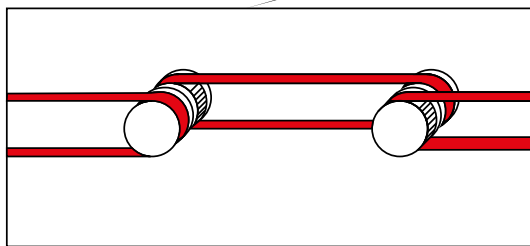
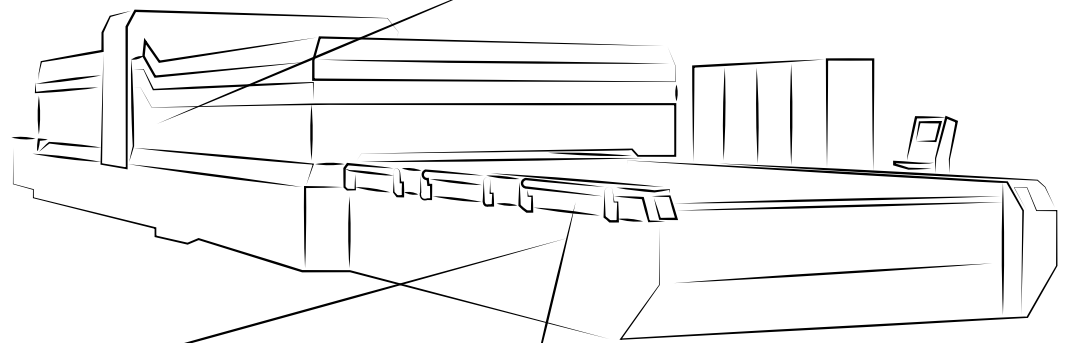
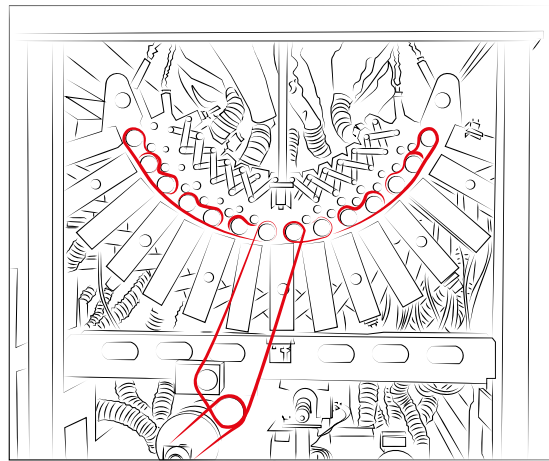
PULLEYS

- Available in cast or in laminated metal material
- Standard or special custom-made profile

GLASS BENDING MACHINE

Glass bending machines are specialised equipment designed to heat and shape flat glass sheets into curved forms.

These machines are widely used in industries such as architecture, automotive, and interior design where bent glass is used for aesthetic and functional purposes.



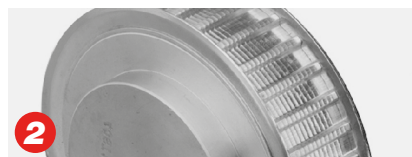
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MEGASYNC™

Rubber endless timing belts made of high-quality rubber compounds, and high-performance tension members.

- Molded to length and pitch designation
- High-performance
- Low-noise



PULLEYS

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- Standard or special custom-made profile

CASE STUDY



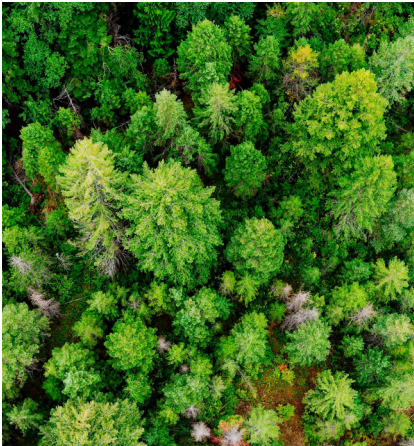
APPLICATION: Transfer conveyor for float glass.

PREVIOUS SOLUTION: Competitor's polyurethane timing belts with glass marking problems.

CHALLENGE WITH THIS SYSTEM: The customer reports visible surface marks on the glass, which appear when the product, while retaining residual heat from processing, comes into contact with the polyurethane timing belt. This issue suggests that the belt material may not be able to withstand the thermal load, leading to softening or deformation. A more heat-resistant, non-marking solution may be required to resolve the problem.

MEGADYNE SOLUTION: ENGINEERED BELTS WITH SPECIAL NON-MARKING COMPOUND

The compound provides excellent wear resistance and mechanical strength while minimising the risk of leaving marks on glass surfaces. It ensures smooth, quiet operation and extends belt life, all while being fully compatible with standard pulley profiles for easy integration and low maintenance.



ABOUT SUSTAINABILITY

Sustainability has always been a guiding principle for AMMEGA and all members of the AMMEGA Group. We constantly monitor and evaluate our environmental, social, and ethical performance.

At Megadyne, we are committed to becoming more and more responsible towards the world by reducing our impact on the planet. We work with technologically advanced raw materials made by partners using the most ecologically sustainable methods possible. Our team is working continuously to improve our products, services, and solutions for the benefit of society and the environment. Our vision is to be the local partner of choice for sustainable belting solutions around the globe.

CERTIFICATIONS



MEMBERSHIPS



Discover Your Local Contacts

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

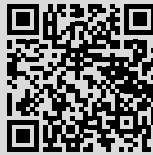
General contact information:

Megadyne

Via Trieste, 16

Via S. Lucia 114 - 10075 Mathi (Torino)

Italy



Scan the QR code
and find your local
contact

