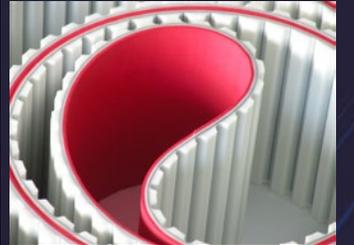
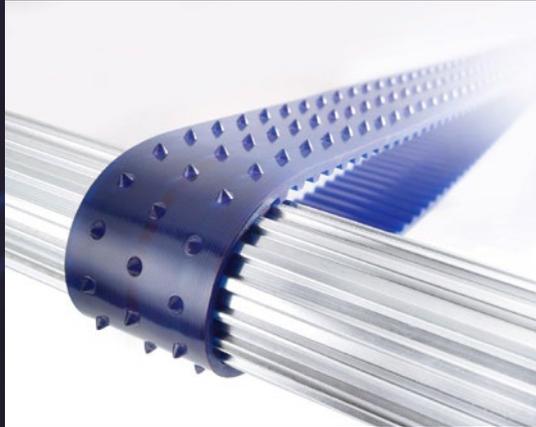
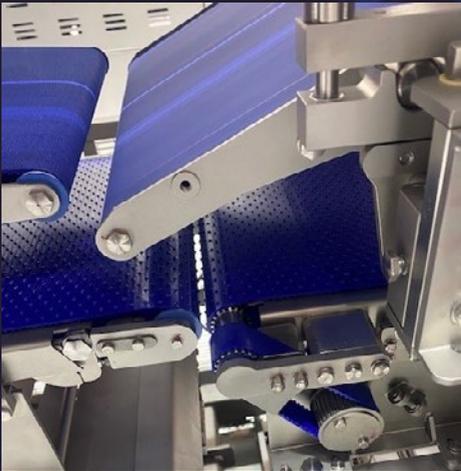
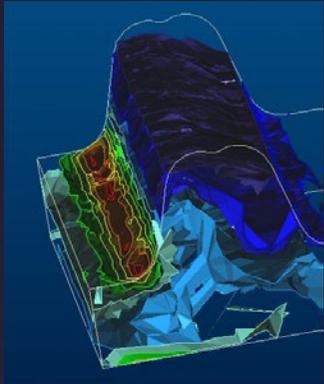


*Your specialist for synchronous belt technology*



*Company / Products*

# THE COMPANY

As a specialist in synchronous belt technology, **IGAT** has established a reputation throughout Europe for innovative drive solutions, products optimized for their users, and expert advice.

Leading custom machine builders and food processors have been placing their trust in our industry expertise and professional team members for more than two decades.



**We offer outstanding service and first-class technical advice and know-how relating to synchronous belt technology.**



# PRIMARY SECTORS

You too can reap the rewards of our exceptional specialist knowledge, not only of numerous custom machine applications, but also in the following sectors:

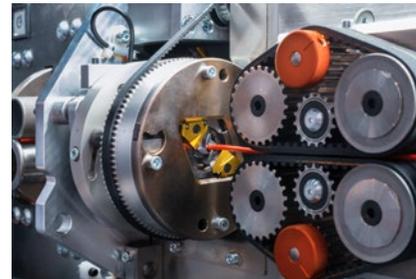
**Packaging technology**



**Linear motion technology**



**Cable haul-off**



**Conveyor systems**



**Heavy-duty drives**



**Food processing**



**Elevator drives**

# PRODUCTS – SYNCHRONOUS BELTS

## Neoprene synchronous belts

Complete range of endless and open-ended neoprene synchronous belts (ZR) in a variety of designs:

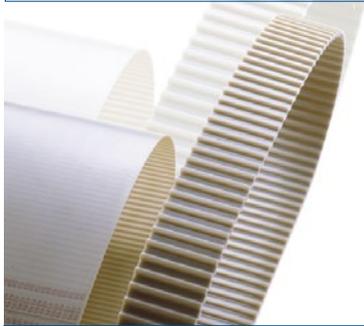
- RPP ZR for standard applications
- SILVER 3 / GOLD 2 ZR for elevated performance
- TTM titanium heavy-duty synchronous belts



## Endless polyurethane synchronous belts

Unrivaled exhaustive range of endless and open-ended synchronous belts for all systems and pitches:

- Molded synchronous belts: imperial / T / AT
- Flex synchronous belts: imperial / T / AT / RPP / HTD
- Special compound belts for high / low temperatures / EDS



## Open-ended polyurethane synchronous belts

Most extensive range of open-ended synchronous belts in standard and custom designs:

- Profiles: imperial / HTD / RPP / T / AT / QST / GW
- Cords: ST / aramid / stainless steel / HP / HPF
- All customary special compounds



## Special-purpose solutions

### Heavy-duty titanium (TTM) synchronous belts

Our titanium series places at your disposal the strongest synchronous belts worldwide for heavy-duty applications, with 8 and 14 mm pitch. Please contact us for further details.



### Elevator and lift belts

Our belt systems RPP 14, QST 14 and GW 14 / 20 give you access to the highest-performance synchronous belts for almost every application in the industrial elevator and lift segments. Take advantage of our comprehensive experience!



### Poly V-ribbed belts

**IGAT** Poly V-ribbed neoprene or polyurethane belts are characterized by especially smooth running and high power density.

- Profiles: PJ / PK / PL / PM
- Elastic versions available for roller conveyor drives



# PRODUCTS – SYNCHRONOUS BELTS FOR FOODS

## Foodflex synchronous belts

EU / FDA-compliant Foodflex synchronous belt systems, approved for direct food contact during processing and packing:

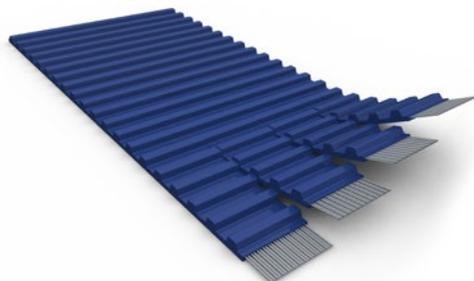
- T5 / T10 belt solutions manufactured in one piece
- Fully sealed belt solutions
- More than 30 high-grip back profiles available



## FDA Megalinear FC-S

EU / FDA-approved belts manufactured in one piece and sealed all round for food processing applications:

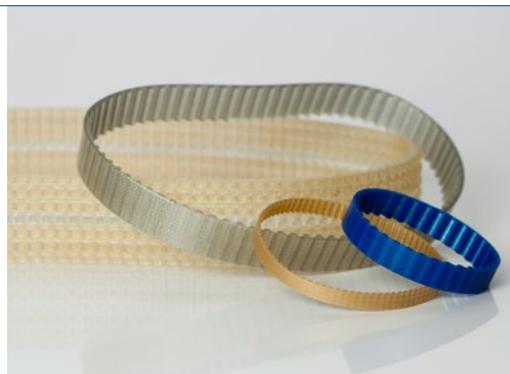
- Pitches: T5 / T10 / T20 and AT5 / AT10 / AT20
- FDA PU 92 ShA in blue (RAL5002)
- Low-stretch steel cords for heavy loads



## Megapower FC endless molded synchronous belts

EU / FDA-approved endless molded synchronous belts for drives in food machinery/conveyor systems:

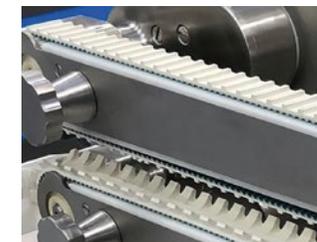
- Pitches: T5 / T10 and AT5 / AT10
- Stainless steel / aramid tensile cords
- Colors: transparent or blue



## Special food industry solutions

### Synchronous belts for sausages

Modern sausage processing machines require belts that are capable of conveying the product precisely and without any slippage at high speed. For these applications, **IGAT** offers FDA back profiles optimized for the individual product with customized radii, prisms and special calibers. Make the most of our specialist knowledge!



### Spiked belts for conveying fish

**IGAT** spiked belts are used in both the fish and the meat industries and for handling fibrous materials. We use staples, stainless steel pins and special spiked mats. All cleats are attached with special fastening procedures. Tell us about your specific conveying task.



### Transport belts for cookies / confectionery

Fragile baked goods are easy to transport with special nubbed belts. The confectionery is transported gently by rows of shock-absorbing elastic nubs. A variety of FDA-approved designs are available for diverse products.

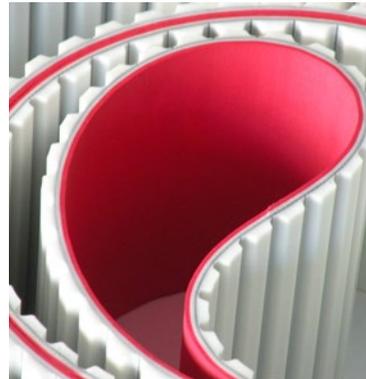


# PRODUCTS – SYNCHRONOUS BELT FINISHING

## Backings

For virtually every application using synchronous, V or flat belts, **IGAT** offers an especially extensive range of hardwearing, smooth and high-friction backings.

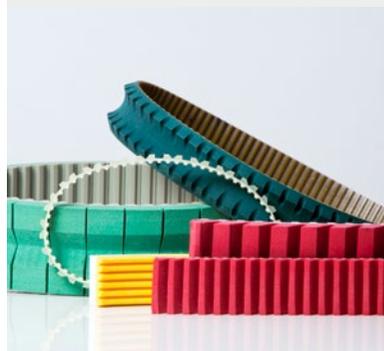
- More than 70 standard backings
- Especially high-friction / abrasion-resistant solutions
- Base materials: PU, PVC, silicone, foamed plastics, PA, leather
- Seamless backings



## Machining

We apply expert techniques to machine the synchronous belts, such as drilling, grinding, perforating, milling, stamping and water-jet cutting:

- Optimized production with innovative manufacturing capabilities
- Processing of all conventional belt systems and finishes
- Quality assurance according to the current standard DIN 9001 / 2015



## Nubbed belts

We supply around 1,000 standard versions of nubs, paddles and cleats, which are professionally welded to the back of the belt:

- Materials: PU / PE or glass fiber-reinforced materials
- Injection molding of series production parts
- All shapes and dimensions can be supplied



## Special-purpose synchronous belts

### Vacuum belts

We offer an especially extensive range of all customary vacuum belts for transporting films, cardboard and paper products with a wide variety of perforations and coated vacuum slots. Reach out to our application engineers when selecting and dimensioning your specific vacuum solution.



### Haul-off belts for cables and profiles

**IGAT** haul-off belts are used primarily in the wire, cable and profile sectors. Especially wear-resistant and high-grip backings are applied, such as red natural rubber, PU, LCN and silicone, as a general rule without seams. We process all the customary polyurethane / neoprene synchronous belts, V-belts and Poly-V belts. Take advantage of our decades of experience!



### Inserts / cleats

**IGAT** threaded inserts designated IG-ML are available for tooth profiles AT10, AT20 and 8M, and for T5 / T10 teeth on request. Where these are used, M4 or M5 threaded sleeves protrude from the belt back for perfect centering of the attachments. The special geometry of the strips rules out any contact with the sprocket teeth. The inserts are available in steel, brass and stainless steel.



## Sprockets from drawings

**IGAT**-sprockets are manufactured from customers' drawings on the latest gear cutting machines. We offer individual components, small batches and series parts.

- Sprocket profiles: standardized / HTD / RPP / STD / GT / T / AT / PC
- Materials: steel, aluminum, stainless steel, plastics
- All surface finishes
- Quality assurance / testing according to the current standard DIN 9001 / 2015



## Standard sprockets

**IGAT** stocks the full range of conventional standard sprockets and splined shafts made of aluminum, steel or ductile cast iron.

- Pitches: standardized / HTD / T / AT / RPP / Poly Chain
- Versions with TL bushes
- Remachining of standard sprockets to customers' specification



## Bushes, shaft locking elements

**IGAT** holds an extensive stock of high-quality bushes and shaft locking elements for a very wide variety of applications. 6 standard series are available from stock.

- Materials: steel and stainless steel.
- Backlash-free shaft-hub connection for precise drives
- Heavy-duty bushes and shaft locking elements for very high torques



## Accessories

### Clamping plates

We supply clamping plates for all pitches and in all materials, for securely fastening synchronous belt ends to linear and elevator drive systems. Special clamping plates made of steel or stainless steel can be produced from customers' drawings. Aluminum clamping plates are available from stock.



### Tension rollers

**IGAT** stocks an extensive assortment of smooth and toothed tension rollers for belt drives. The tension rollers have twin bearings and are greased for life. The steel or aluminum running surfaces can also be coated with HC-PTFE to aid sliding. Custom-made variants are available on request.

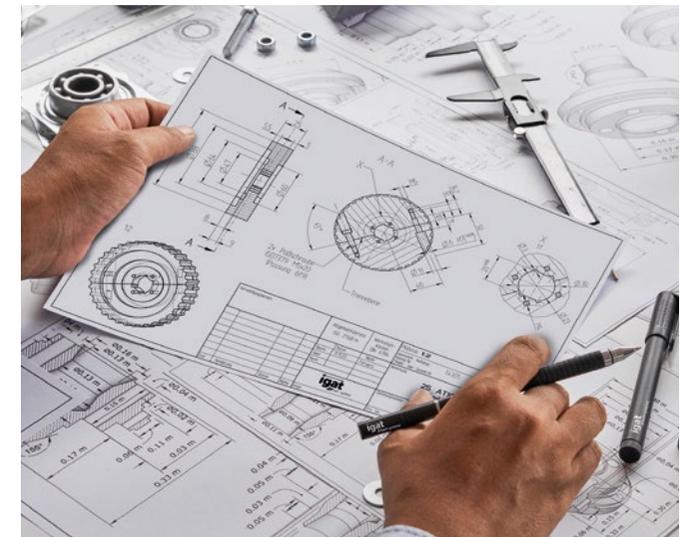


### Belt tension gauge

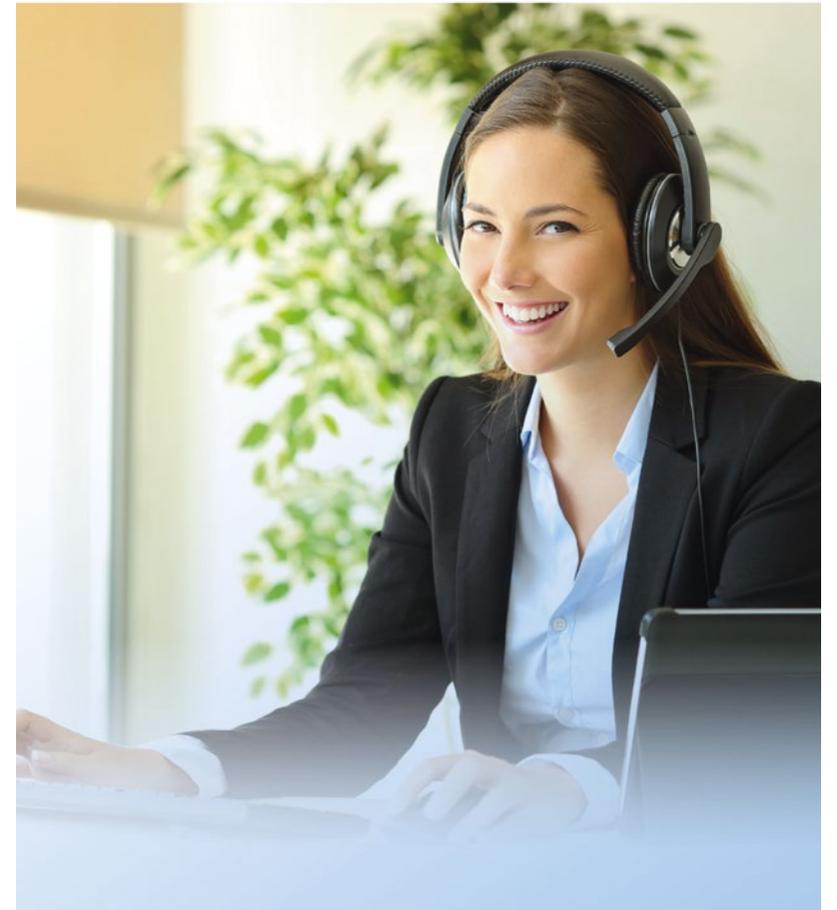
The compact **IGAT** TECO-PRO gauge provides a simple way of measuring the pretension of conventional belt systems. Thanks to the very latest micro-processor technology, the device facilitates the exact adjustment of all V, synchronous and power belts requiring pretensioning within the measuring range 10 to 600 Hz. The gauges are always available from stock.



- 1. Proficient technical support with projects involving synchronous belt technology**
- 2. On-site consultation**
- 3. Design of drive solutions giving consideration to:**
  - Optimal satisfaction of customers' technical demands
  - Optimal utilization of available space
  - Profitability analysis
  - Test rig trials to achieve process stability
  - Drive optimization to ensure a long service life, smooth running and precision
  - Product specification using selected engineering programs
  - Selection of materials for drive elements
- 4. Manufacture of custom solutions**
- 5. Failure analysis and optimization of existing drives**



- Decades of experience in synchronous belt technology
- Expert and reliable advisory and design services
- Rapid response to design requests and calls for tenders, fast order processing
- Professional named contacts committed to customer service
- Readily accessible – no call queuing, no call centers
- Custom parts from drawings, all materials, surfaces and backings
- Express service for shipping standard products from stock in Germany
- Short delivery times for specialty synchronous belts and sprockets
- After-sales service



For detailed information, please ask for our comprehensive catalogs or visit [www.igat.net](http://www.igat.net).

- [Drive components for the food industry](#)
- [Multi-disc clutches](#)
- [Belt tension gauge TECO-PRO](#)
- [Heavy-duty belts](#)
- [Bushes, shaft locking elements](#)
- [Standard synchronous belts](#)
- [Foodflex synchronous belts](#)
- [Synchronous belts for food processors](#)
- [Polyurethane endless synchronous belts](#)
- [Polyurethane open-ended synchronous belts](#)
- [RPP endless neoprene synchronous belts](#)
- [Synchronous belt refinements](#)
- [Synchronous belt solutions for conveyors and packing lines](#)
- [Synchronous belt solutions for the glass industry](#)
- [Synchronous belt solutions for cable haul-off applications](#)
- [Synchronous belt sprockets](#)



Alongside the German versions, some of our catalogs are available in English and Spanish as well.

# MANY THANKS FOR YOUR INTEREST!

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Catalogs