



DRIVEN BY POSSIBILITY™

**WHATEVER YOU'RE  
PACKING, WE'RE PACKING  
THE KNOW-HOW**

PACKED WITH EXPERTISE. THE BEST IN OE FOR PACKAGING MACHINERY PARTS.





# PRODUCTIVITY PACKED IN, SO YOU CAN BE MORE **PROFITABLE**

In today's 'always on' world, staying profitable is about staying productive. It's about being one step ahead – and always embracing innovation. It's about swapping downtime for uptime... and trusting your capability to deliver. In today's 'always on' world, you need Gates on your side.

## UNIQUE CHALLENGES REQUIRE A UNIQUE SOLUTION

Technological advancements have made a massive impact on packaging machinery requirements. Today, consumers expect more, including an ethical packaging approach – with increased demand to reduce the environmental impact of packaging and the need for flexible products made from minimal raw materials.

Protection, transportation, and promotion are key, with rising demand for processed and packaged goods across the globe. And, with the growth of e-commerce, speed is crucial too. Therefore, packaging machines need to offer versatility and flexibility to keep up with demand.

## THAT'S WHERE WE COME IN

Combining world class knowledge with global coverage and service that is second to none, Gates goes beyond... exceeding your expectations and allowing you to surpass the expectations of your customers in turn. Backed by 100 years of innovation and industry-leading product performance and quality, Gates offers one of the most outstanding packaging machinery part portfolios in the market.

# **WE THINK OUTSIDE THE BOX SO YOUR CUSTOMERS CAN FOCUS ON WHAT GOES INSIDE IT**

## **GATES FLUID POWER + POWER TRANSMISSION PRODUCTS: A WORLD OF DIFFERENCE**

Whether you're a packaging machinery manufacturer responsible for technical solution development or a plant maintenance manager who wants to ensure your operation is running to maximum capacity, Gates makes a world of difference.

What we offer: outstanding belt and hose product solutions for applications within a broad range of packaging processes... from product handling to processing, packaging to material handling. What you can rely on: total application knowhow, unparalleled expertise, unmatched quality, and a product range that is beyond compare.







# OUR PARTS ARE PACKED WITH BENEFITS...



- 100% in-house production for the complete technical solution
- Endless belt fits mean diverse packaging requirements can be met easily
- Longer life means lower total cost of ownership
- Engineering support from initial design to trainings and site surveys
- Contamination-free for specialist sectors such as F&B and pharmaceuticals
- Peace of mind with products meeting all USDA and EU regulations
- Sustainable citizenship from continuously improving environmental sustainability by reducing our green-house gas emissions by 15% by 2025

**Highest quality guaranteed, according to ISO 9001, ISO 14001 and ISO 18001**

# WE PACK SOLUTIONS

Now, more than ever, time is money. Optimized packaging processes aren't just important – they are vital. That's why only the best components will do. Whatever the challenge, Gates has the solution.



## **CHALLENGE 1:**

**INTERRUPTED PRODUCTION – MAINTENANCE CAUSING DOWNTIME AND HALTED PROCESSING.**

High-quality, service-free Gates belts increase uptime and guarantee a longer lifetime, whilst our TPU-specific PinLok solution means less changeover downtime.



## **CHALLENGE 2:**

**THE NEED FOR INCREASED OUTPUT: SYNCHRONOUS PRECISION AT HIGH SPEED MEANS GREATER PRODUCTION AT GREATER QUALITY.**

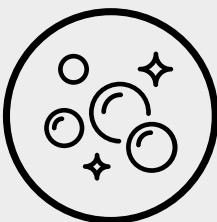
Our TPU timing belts offer precision as well as smooth operation. All our parts work together in harmony and with other components required to optimize total output.



## **CHALLENGE 3:**

**THE NUMBER OF DIFFERENT MATERIALS THAT NEED TO BE HANDLED AT ANY ONE TIME AND AT HIGH SPEED.**

Thermoplastic TPU belts are easy to customize for specific applications. Plus, belts with backings, welded-on profiles or vacuum belts are available for application-specific solutions.



## **CHALLENGE 4:**

**FOOD REGULATIONS, AS WELL AS CLEANLINESS AND THE NEED TO AVOID CONTAMINATION – E.G. FOOD, PHARMACEUTICALS, CHEMICALS, COSMETICS – IS CRUCIAL.**

Gates belt and hose solutions stand for a completely clean operation - free of lubricants and abrasion resistant. Our F&B hoses and TPU belt lines are USDA approved and meet all FDA and EU food regulations.



## **CHALLENGE 5:**

**DIVERSE PACKAGING INDUSTRY APPLICATIONS – INCLUDING SHAPE, SIZE AND NATURE OF PRODUCTS TO BE PACKAGED.**

Unlimited, free access to our engineering and product application experts – looking at your specific needs and supporting your tailor-made solution.

# WE PACK A LOT OF **EXPERTISE** AND **KNOWHOW**

Whatever your role, whatever industry you serve, Gates has the answer. Whether you build the packaging machinery for filling and dosing, labelling and coding or wrapping and bundling, or whether you are a plant manager who needs to optimize uptime for bottling, FFS, cartoning or palletizing, we offer the broadest range of belt and hose solutions across all kinds of packaging production and processes.



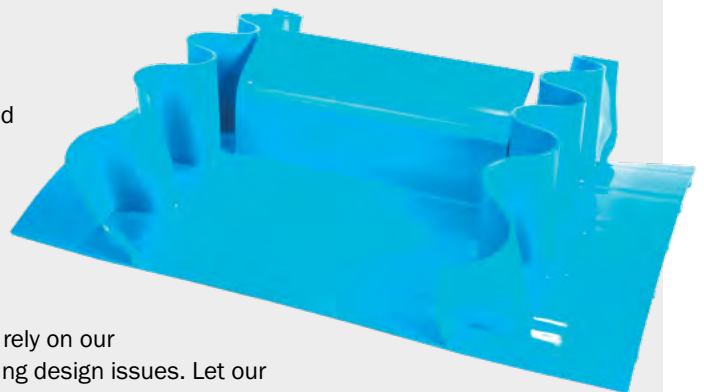
## **PACKED WITH TPU SPECIFIC KNOWLEDGE**

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### **EXPERTISE**

Gates TPU is a global leading manufacturer of positioning and conveyance belts made of high quality, abrasion-resistant polyurethane. Our products are used in various industries and serve applications in synchronous and positive drive conveying, linear positioning, and power transmission within general industrial markets.

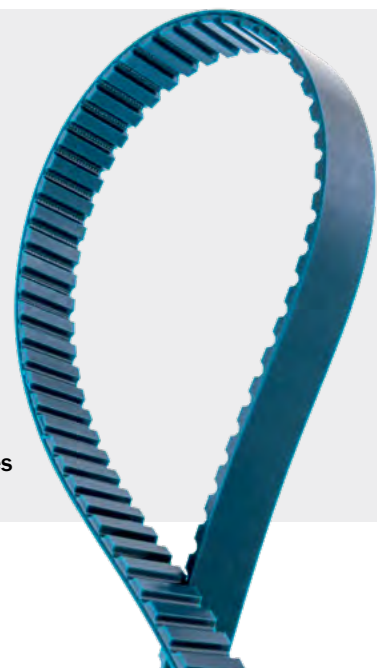
Equipment designers and system integrators have come to rely on our application expertise and ability to solve the most challenging design issues. Let our highly skilled applications engineers design a solution to fit your application needs.



### **SERVICE**

Our experienced staff understand your business demands and work with you to solve your belting needs.

- In region for region manufacturing capabilities guarantee on time delivery and short lead times
- Global production and distribution footprint, including distribution partners worldwide
- A total integrated facility, we combine in-house extrusion, moulding, as well as fabrication capabilities to ensure the highest quality for each of our product lines



## QUALITY

We invest in quality, research and development in order to meet customers current and future demands, whilst our continuous development of products and plants guarantees highest quality according to ISO 9001, ISO 14001 and ISO 18001.

- Complete product line, including endless welded belts, endless Flexbelt, belts with backing and profiles, wide belt and food conveyor belt line
- Corrosion resistant WR belt series with completely encapsulated and durable cords – allows for application with direct food contact
- Food grade belts and hose products are USDA certified and meet FDA and EU food regulations
- Sustainable citizenship offering products fully compliant with the requirements laid down in the REACH (Registration, Evaluation, Authorization of Chemical Substances) regulation

## OUTSIDE THE BOX THINKING FOR CHAIN-TO-BELT SOLUTIONS

- Reduced maintenance, thanks to no retensioning
- Reduced downtime – less frequent sprocket replacement and no retensioning required
- No oil baths or lubrication means improved HSE and reduced contamination in potentially hazardous environments



## PACKED WITH HOSE SPECIFIC OPTIONS

- Completely optimized safety with oil-resistant covers, abrasion-resistant covers and colour-coded options
- Lock out bacteria and easier clean up with MegaTuff™ covers, providing an excellent solution for F&B and Pharma environments
- Enhanced energy savings from lighter weight and increased flexibility of MXT™-XTP hoses – contributing to reduction in equipment weight and size
- Simplified inventory – system approach-hose, fittings and crimpers for most facility applications including air, water, washdown, pressure wash and hydraulic







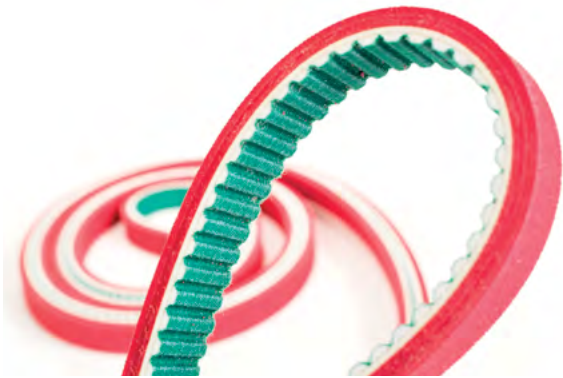
# APPLICATIONS

Gates meets the needs of the packaging industry by offering a variety of products for use on different types of applications. All our products have one thing in common: they solve a wide range of problems to help you meet production and efficiency goals and save money.

POWER TRANSMISSION	PRODUCT TRANSFER	FACILITY WASHDOWN
SYNCHRONOUS BELTS	SYNCHRONOUS BELTS	INDUSTRIAL HOSES
Poly Chain® Carbon Volt PowerGrip™ GT4™ Synchro-Power™	Long Length	Clean master™ washdown Clean master washdown 1000 Clean master Pressurewash Washdown master
V-BELTS	TPU BELTS	
Quad-Power™ 4	TPU endless belt with backings TPU endless belt with profiles TPU endless vacuum belt TPU food conveyor belt TPU endless wide belt	
HYDRAULIC HOSE ASSEMBLIES	INDUSTRIAL HOSES	
MegaSys™ MXT-XTP MegaCrimp™	Premium Dairy Master SD Dairy Master Lite SD Milk Master SD Beverage Master D	



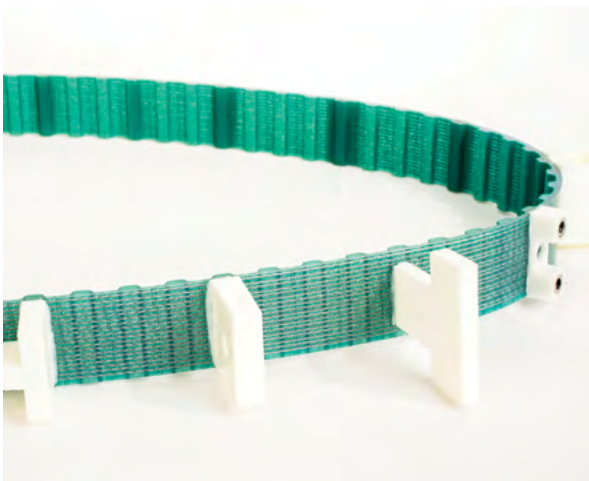
# OUR PRODUCT PORTFOLIO IS PACKED WITH BENEFITS



## TPU ENDLESS BELT WITH BACKINGS

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- Wide variety of pitches available
- Over 30 backing materials to meet specific requirements – e.g. abrasion resistance, high or low friction, high chemical resistance
- Smooth backings or various surface structures possible
- Unique Taracx backings for high friction and abrasion resistance



## TPU ENDLESS BELT WITH PROFILES

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- Applicable to all Gates TPU timing belts
- Fully automated application process ensures continuous high quality
- Welding process achieves extreme bond between belt and profile
- Over 3,000 profile designs available
- Easy profile search with Gates TPU online profile selector
- Any profile design possible for customized solutions
- Low tooling cost for new profile designs



## TPU ENDLESS VACUUM BELT

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- Truly endless welded belt
- Machine pockets provide increased vacuum area
- Application for transport of lightweight, highly flexible materials, such as film, paper, tissues

## TPU FOOD CONVEYOR BELT

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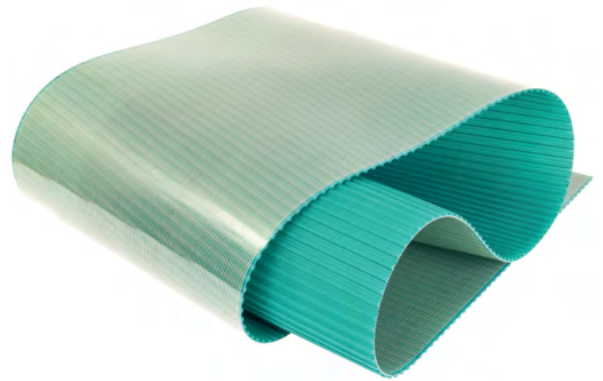
- FDA-approved, USDA accepted, EU compliant
- Easy to clean – less cleaning time, less wastewater and less cleaning labour
- Embedded tension cords for reduced stretch – no retensioning
- Longer lifetime – less maintenance
- Synchro-Power CLEAN for synchronous food conveying, or as high load flat conveyor belt well suited for cleated belts
- Metal detectable versions available
- Various surface structures possible
- Custom solutions with cleats and sidewalls



## TPU ENDLESS WIDE BELT

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- Synchronous conveyor belt up to 450mm or 18" width
- Ideal solution for products wider than 150mm
- Precise synchronization and product positioning
- FDA conform and meet EU food regulations
- Widest wide belt range in the industry – as well as the strongest too
- Backing and machining options available



## POWERGRIP

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- No risk of contamination from corrosion problems
- No risk of contamination from lubrication on conveyors
- Increases energy efficiency compared to roller chain
- Good solution when broad temperature range is a key consideration (e.g. bakeries)



## POLY CHAIN CARBON VOLT

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- No lubrication – lower contamination risks, for compliance with strict USDA sanitation standards
- Stand up to washdown better than chain – freeing your plant from the mess of roller chain





## MXT-XTP™

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- Lighter and more flexible, enabling packaging machinery manufacturers to use less material and reduce machine size and weight
- Flexibility for line operators
- Compatible with environmentally safe fluids

## CLEAN MASTER WASHDOWN / CLEAN MASTER WASHDOWN 1000 / WASHDOWN MASTER

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- Non-marking cover
- Washdown 1,000: cover resistant to oil and animal fat
- Washdown Master: FDA

## CLEAN MASTER PRESSURE WASH

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- Exceeds EN 1829-2 standard
- Features non-marking blue and grey cover
- Upgraded working pressure ranging from 21,0 to 42,0 MPa (3,000 to 6,000 psi)
- Smaller bend radii
- Also available in longer lengths up to 100 m continuously
- Sleeves available to increase hose life expectancy

## MEGACRIMP COUPLING PORTFOLIO

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- Designed for manual tightening without the need for tools
- All Clean Master Pressure Wash hoses validated with Gates standard MegaCrimp couplings





DRIVEN BY POSSIBILITY™

# WE ALWAYS PACK **THE RIGHT PART:** WHATEVER THE SECTOR, WHATEVER THE INDUSTRY

In a marketplace that needs solutions that are both highly diverse and completely customizable, we offer the complete choice. From primary to secondary and tertiary packaging, Gates brings you distinct and different components for your machine requirements.



## FOOD AND BEVERAGES PACKAGING

We know the F&B industry and the challenges your customers face – and that food is open to contamination. That's why we help you meet the ever-growing demand for hygienic, processed and packaged foods across the globe.



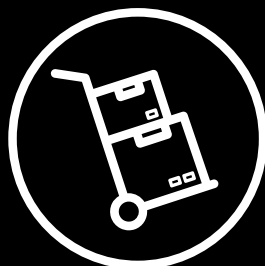
## PHARMACEUTICALS PACKAGING

Pharmaceutical packaging has an important role, whether for storing or transportation – including, vitally, the prevention of contamination of medicine. Whilst an aging global population is driving higher demand than ever before.



## HOUSEHOLD, INDUSTRIAL AND AGRICULTURAL CHEMICALS PACKAGING

When it comes to potentially hazardous and demanding packaging and handling across industrial chemicals, speciality chemicals, agrochemicals, petrochemicals, polymers and fertilizers, you can trust Gates to deliver.



## OTHER PACKAGING

We're also on hand for specific packaging requirements for products such as creams, lipsticks, fragrances, skincare, bath and shower – as well as household items, confectionary, tobacco and more.

TO FIND OUT MORE,  
**SEE OUR QUICK REFERENCE GUIDE  
FOR YOUR SECTOR.**

**GATES.COM**  
FEBRUARY 2022

