

Energy, Exploration  
& Extraction

Infrastructure  
& Agriculture

Transportation

Automotive

Processing  
& Specialty

Food & Beverage



SWEET COST SAVING DEALS WITH GATES SOLUTIONS

# CONFECTIONERY



## GATES KNOWS THE CHALLENGES YOU ARE FACED WITH

### Prevent costly downtime

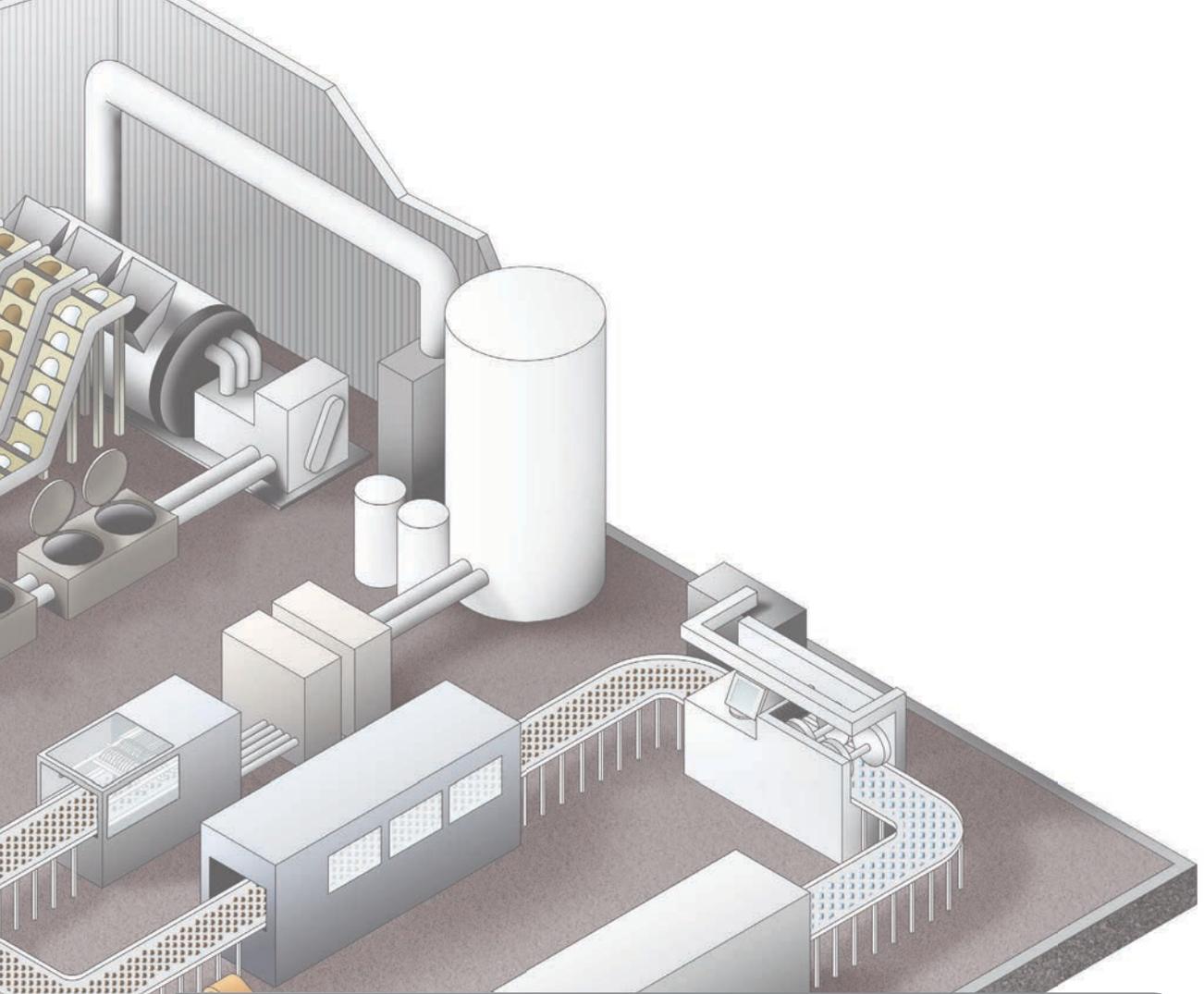
Gates engineers have first-hand experience of the daily impact to your production lines of product contaminations, regular washdowns, extreme-temperature operations, emergency maintenance stops, etc. They know that, when these conditions cause your equipment to halt operations, literally every minute of downtime costs you huge amounts in lost production. This experience has led Gates to develop a product range that perfectly meets the challenging operating conditions that come with the industry you are in.

### Make sure the future is taken care of

But working together with Gates goes a lot further than that. We strive to reduce our ecological footprint and drive down our energy use and cut waste. And we know you do the same. That is why the products we deliver help you to improve your energy efficiency and provide a long, reliable and trouble-free service life.

***So by opting for Gates, you generate a return that positively impacts your bottom line and your reputation as a sustainable company!***

YOUR CHALLENGE	OUR SOLUTION
<b>HYGIENE</b>	
Cleanliness and hygiene to eliminate product contaminations is vital to confectionery manufacturing operations, yet it adds no value to the product. This paradox poses a challenge for management. To remain competitive, plants must operate with maximum efficiency, eliminating downtime whenever and wherever possible.	It goes without saying that manufacturers can extend the period between clean-ups and minimise downtime more easily when their equipment is easy to clean and maintain to begin with. Gates offers products that are compatible with washdown environments and are low maintenance.
<b>EXTREME TEMPERATURES</b>	
Temperature has a big influence on the life span of machinery components, especially in very hot or very cold environments which are typical of the confectionery manufacturing processes.	When machines operate at extreme temperatures, users are often willing to accept decreased component performance. This is unfortunate considering that, with the right product, you do not have to compromise on performance. Gates offers products that provide superb resistance to heat and cold.
<b>PRODUCTION CONTINUITY</b>	
Every minute of downtime is directly reflected in the manufacturer's bottom line. Getting the production system up and running again increases the costs through time-consuming interventions of expensive maintenance staff.	A smart investment is an investment in products that go the long road. Gates products provide a long, reliable and trouble-free service life with significantly reduced downtime and virtually no maintenance.
<b>ENERGY CONSERVATION</b>	
Manufacturing companies in Europe spend billions of euros on the electricity powering their production system. Many of these are not running at optimum efficiency, and loss of power is a loss of money.	By assessing ageing systems, evaluating current efficiencies and opting for replacement by energy-efficient, low-maintenance drives, Gates helps you to minimise your energy use and maximise your efficiency.
<b>WASTE REDUCTION</b>	
In the confectionery industry as well as in other industries, using more efficient manufacturing processes and better materials will generally reduce the production of waste.	Simple steps can lead to significant waste reduction. Improving durability, e.g. extending every component's useful life, reduces waste, and that's exactly where Gates' long-life products come into the picture.



## GET GREEN, GET GATES

Finding ways to protect the environment, optimise the use of our natural resources, and reduce our ecological footprint is at the heart of everything we do. The goal is simple: the well being of our planet and its future generations. Gates works tirelessly to bring fresh thinking, engineering know-how and sustainable products and solutions to our customers not just today, but for every tomorrow.

We know this is also part of your commitment towards the markets and communities you operate in. Gates is there for you to help achieve those goals with products that:

- provide maximum energy efficiency, considerably driving down your energy use;
- guarantee long, reliable and trouble-free service life, extending the useful life of your installation and reducing your waste as well as your maintenance costs;
- have the added advantage of being clean and/or easily cleanable, lowering your sanitation costs through reduced water consumption and chemicals usage and less waste water generation;
- ensure outstanding performance;
- really make the difference!

*At Gates, we take our responsibilities seriously and ask for equally-strong environmental commitments from our suppliers. Together, in preferred partnership, we can contribute to sustainable economic development!*



## GATES PRODUCTS IDEALLY SUITED FOR THE CONFECTIONERY INDUSTRY

Gates meets the needs of the confectionery 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
<b>SYNCHRONOUS BELTS</b>	<b>SYNCHRONOUS BELTS</b>	<b>INDUSTRIAL HOSES</b>
Poly Chain® GT Carbon™ PowerGrip® GT3 Twin Power® Synchro-Power®	Long Length	Washdown Master
<b>V-BELTS</b>	<b>FOOD GRADE BELTS</b>	
Quad-Power® III	PosiClean® FC12™ GMT3™	
<b>HYDRAULIC HOSE ASSEMBLIES</b>	<b>INDUSTRIAL HOSES</b>	
MegaSys®	Dairy Master SD Dairy Master Lite SD Dairy Master Crush SD	

All above products are REACH compliant.

Let's examine above-mentioned products in the light of cleanliness, maintenance requirements, temperature resistance and other challenges that come with the industry you are in.

### ▶ INDUSTRIAL HOSES



#### DAIRY MASTER SD HOSE / DAIRY MASTER LITE SD HOSE / DAIRY MASTER CRUSH SD HOSE

- Specifically designed for the transfer of a variety of food products
- FDA sanitary hose
- Wide temperature range: -30°C up to +90°C (intermittent up to +130°C)

#### WASHDOWN MASTER HOSE

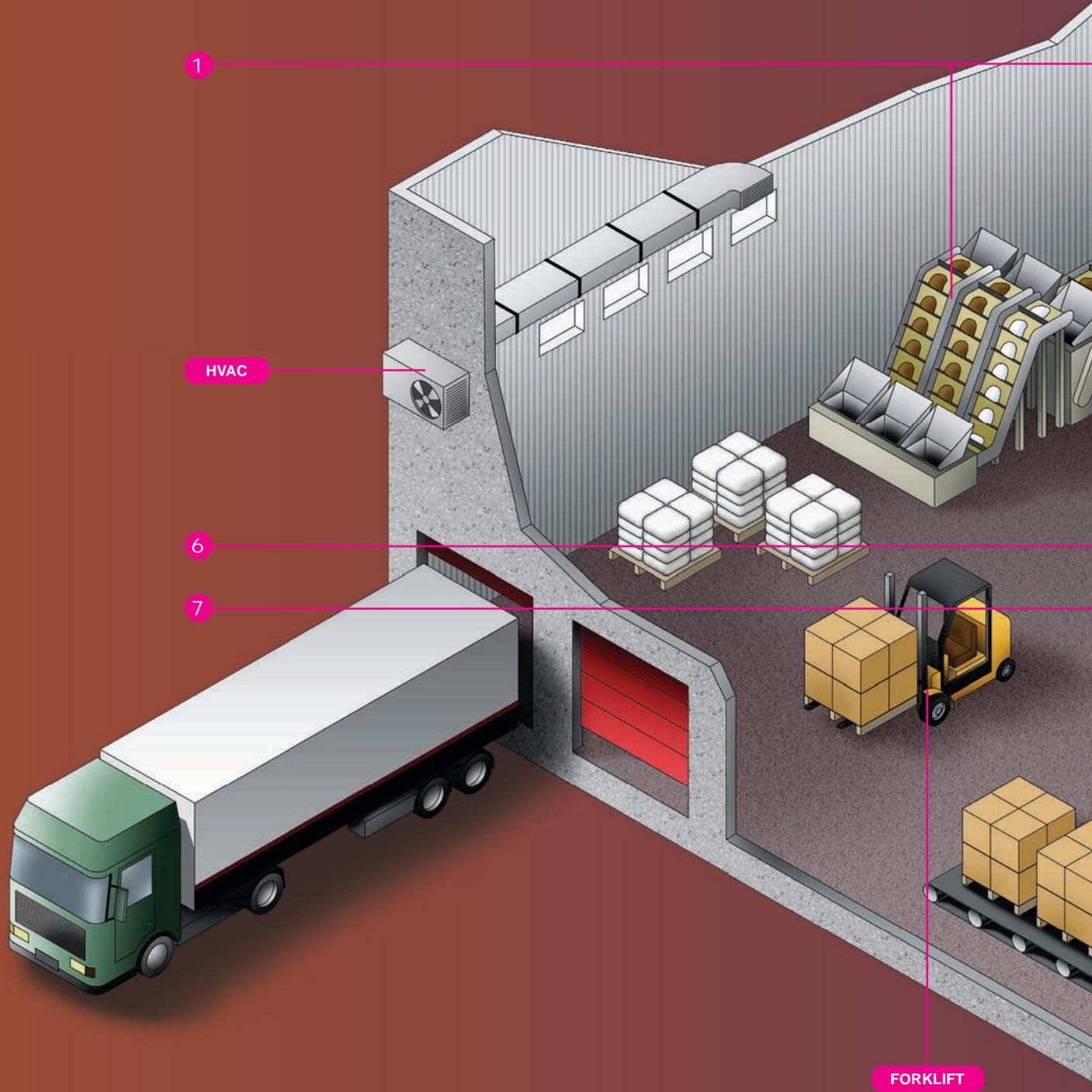
- Specifically designed for hot water and open steam washdown
- Non-marking cover
- FDA sanitary hose
- Wide temperature range: -30°C up to +164°C

### ▶ HYDRAULIC HOSE ASSEMBLIES



#### MEGASYS®

- Leak-free performance
- Extreme flexibility and easy routing in tight applications
- Long service life
- Working pressures of up to 6,000 psi/42 MPa
- Wide temperature range: -40°C up to +121°C (spiral-wire) / +100°C (wire-braid)



## TYPICAL CONFECTIONERY MANUFACTURING OPERATIONS

### CHOCOLATE

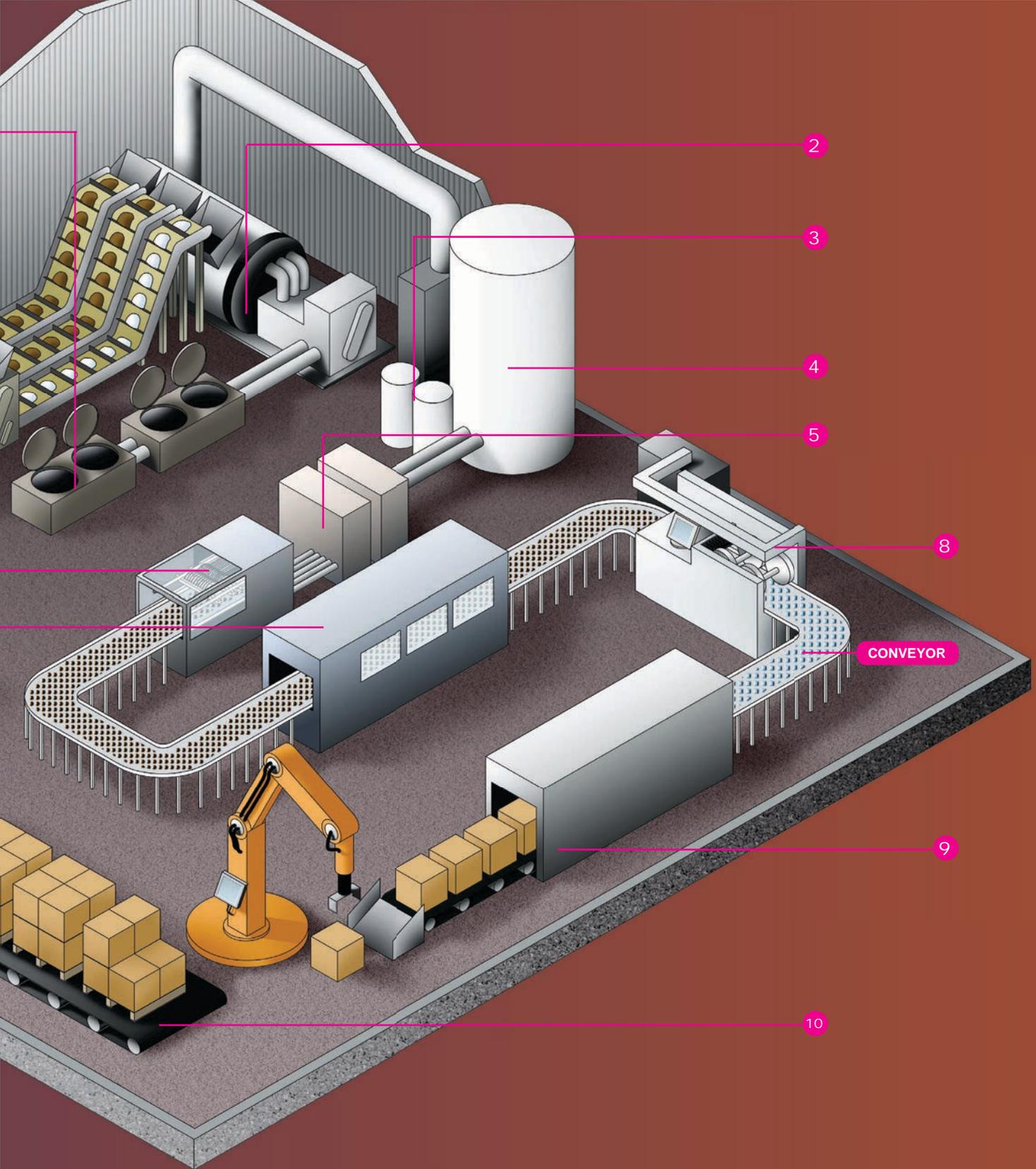


### WAFER



### HARD SWEETS





- |   |                        |   |                                  |   |           |   |           |    |             |
|---|------------------------|---|----------------------------------|---|-----------|---|-----------|----|-------------|
| 6 | DEPOSITING<br>MOULDING | 7 | COOLING<br>TUMBLER<br>DEMOULDING | 8 | PACKAGING | 9 | CARTONING | 10 | PALLETIZING |
|   | CUTTING                |   | ENROBING                         |   | COOLING   |   | PACKAGING |    | PALLETIZING |
|   | ROPE SIZER             |   | CANDY FORMER                     |   | COOLING   |   | PACKAGING |    | PALLETIZING |

## ▶ INDUSTRIAL BELTS

### **POLY CHAIN® GT CARBON™**

- Exceptional load carrying capacity thanks to patented innovative design with stronger-than-steel carbon tensile cords
- Clean-running drive
- Compact drive design
- Virtually maintenance-free operation: no lubrication or re-tensioning required
- Wide temperature range: -54°C up to +85°C (special constructions up to +140°C)



### **POWERGRIP® GT3**

- High power ratings
- Low running noise level
- Virtually maintenance-free operation: no lubrication or re-tensioning required
- Static conductive construction
- Also available in small pitches for top performance on very compact drives



### **TWIN POWER®**

- Designed with double and directly opposite teeth to provide synchronisation from each driving surface
- Equal load capacity on both sides of the belt
- Suitable for serpentine applications requiring rotation reversal in some driven shafts
- Virtually maintenance-free operation: no lubrication or re-tensioning required



### **SYNCHRO-POWER®**

- Wide variety of tooth profiles
- Clean-running drive
- Low running noise level
- Virtually maintenance-free operation: no lubrication or re-tensioning required



### **QUAD-POWER® III**

- Extraordinary power capacity
- Long, reliable, trouble-free service life
- Compact drive design
- Low running noise level
- Widest temperature range: -40°C up to +110°C



### **LONG LENGTH**

- Open-end belts which can be easily cut off to the required length
- Line includes Poly Chain® GT Carbon™, PowerGrip® and Synchro-Power® belts
- High positioning accuracy, so ideally suited for applications with repetitive movements
- Virtually maintenance-free operation: no lubrication or re-tensioning required



### **POSICLEAN® / FC12™ / GMT3™**

- Compliance with the European Food Contact Directive 2002/72/EC Regulation No 1935/2004 and No 2023/2006
- Specifically designed for conveyor applications requiring exact product positioning
- Sealed edges and tensile cords prevent ingress of bacteria
- Clean-in-place convenience for washdown environments

*Gates offers a wide range of **PU specialty belts** and secondary fabrication possibilities: these belts come with special backings, profiles and machining on request. Equipment designers and system integrators rely on Gates' ability to solve the most challenging design issues.*



## CALL ON GATES TO ADD VALUE TO YOUR BUSINESS

When rising energy costs, high maintenance or frequent replacement of components becomes the norm, it is time to reassess your production system.

### Feel confident every time you install Gates

Our high-quality products, industry-leading technologies and unmatched support meet all the needs that come with the industry you are in. Convert to Gates products and you will be rewarded with a better performing, longer lasting and more energy efficient production system.

### Quality really does pay

Consider not only the purchase price, but also the total cost of ownership and satisfaction rate. A system that minimises maintenance and replacement of components and maximises energy efficiency will not only save you money in the long run, but also increase your uptime, productivity and sustainability.

### Solutions that stand up to your requirements

Underlying everything that Gates offers is a deep commitment to finding enduring solutions for and delivering real added value to its customers.

**Contact your dedicated Gates distributor to find out how Gates can make a difference to your manufacturing challenges.**



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