



FILLED WITH SOLUTIONS FOR EQUIPMENT PRODUCTIVITY.

# BOTTLING

The Driving Force in Power Transmission®



# HOW TO ADD PRODUCTIVITY AND ELIMINATE DOWNTIME ON THE BOTTLING LINE.



When bottling or canning equipment breaks down and halts production, the downtime can cost you thousands of dollars in lost throughput per hour. One way to prevent downtime is the use of high quality Gates belt drive systems on your processing equipment and conveyor drives – from one end of the line to the other.

Belt drives offer many advantages, especially when compared to roller chain, and can solve a wide range of problems leading to increased speed, more uptime and higher throughput.

## What have you got to lose?

### **Problem**

### **Solution**

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#### **Lubrication & Product Contamination**

Chain drives require constant lubrication which adds to maintenance costs and poses environmental concerns. The oil and grease required in chain drives can contaminate product and create an ongoing cleanup problem.

Gates belt drive systems are virtually maintenance free. That translates into significant cost savings in reduced downtime due to lubrication and other routine maintenance tasks. You can dispense with expensive and messy oil baths and all of the spraying, dripping, leaking and product contamination problems associated with lubrication.

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#### **Maintenance in Hard-to-Reach Locations**

When drives have to be positioned in areas with limited or difficult access, maintenance and repairs are problematic and more time consuming.

The maintenance-free aspect of Gates belt drives can be especially important in hard-to-reach locations in your plant – those pain-in-the-neck places that require significant disassembly or ladders and crawlspaces to access.

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#### **Loss of Timing & Synchronization**

Metal chain wears over time causing them to "loosen," resulting in timing and synchronization problems in bottling operations.

Gates synchronous belts do not stretch over time like roller chain, so there is no change in speed due to stretch, creep or slippage. They rarely need retensioning – an important consideration on drives with limited center distance adjustment.

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#### **Rust Contamination**

High moisture conditions and/or use of water-based cleaning and washdown solvents can cause rust problems.

With belt drives, you won't need to cover and protect the drive components prior to washdown because the polymeric belts and stainless steel components are impervious to water and caustic chemicals.

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#### **Replacement**

Since metal chain and components wear quickly, they have to be replaced frequently.

Belts last up to three times longer than chain. And, since there is no metal-to-metal wear, the sprockets, sheaves and idlers can last up to 10 times longer than roller chain components.

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# GATES BELT DRIVE SYSTEMS ARE IDEALLY SUITED FOR BOTTLING EQUIPMENT APPLICATIONS.



Gates offers more types of belts than ever before. This broad choice of products allows you to select the drive systems that provide the best performance and the best value on your bottling equipment and conveyors. Contact your Gates representative, your Authorized Gates Distributor, or Gates Industrial Product Application at 303-744-5800 for assistance in choosing the right drive system for your specific application.



## Poly Chain® GT\*2 Belts

- Clean-running, high-powered polyurethane belt drive alternative to roller chain.
- No slipping, 3X longer life, virtually maintenance free.
- Ideal for low-speed, high-torque drive applications.
- Conveyor applications.

## Power Curve™ Belts

- Specifically engineered to handle transverse bending and twisting.
- Unique under cord construction for optimal flexibility.
- Gates patented Flex-Weave® cover.
- Power turn conveyor beds.



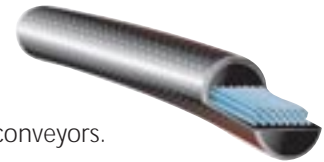
## PowerGrip® GT\*2 Twin Power® Belts

- Designed with teeth on both sides of the belt to provide synchronization from each driving surface.
- Equal load capacity on both sides of the belt
- Suitable for serpentine applications requiring rotation reversal in some driven shafts.
- Conveyor applications.



## Round Endless Belts

- Designed for 1/4 turn or twisted drives where more than an O-ring is required.
- Power turn and line shaft conveyors.



## Specialty Synchronous Belts

- Line includes long-length belting, Twin Power® belts & spliced belts.
- Wide variety of belt materials, constructions and backings to meet food & beverage bottling needs.
- Polyurethane belts with welded-on profiles for customized positioning applications are available through Gates Mectrol.
- Ideal for packaging equipment (i.e. box erectors).



## Stainless Steel & Nickel Plated Metals

- Sprockets, sheaves and bushings available in stainless steel.
- Nickel plated sprockets also available
- Non-corrosive, chemical resistant.
- Ideal for food & beverage washdown applications.





A Tomkins Company

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## COUNT ON GATES TO HELP SOLVE YOUR PROBLEMS AND SAVE YOU MONEY.

To maximize the service life of your belt drive systems, enhance performance, and create value for your drive investment, here's what your local Gates representative and distributor can do to help:

- Survey belt drives at your plant.
- Make recommendations on belt selections and drive designs for specific applications.
- Provide tensioning information and demonstrate tensioning tools.
- Conduct a free Preventive Maintenance Seminar.
- Recommend belt inventories for your stockroom.

For more information on Gates belt drive systems for bottling applications, call 800-777-6363, contact your local Gates representative or visit us at [www.gates.com/pt](http://www.gates.com/pt)

For engineering design assistance, contact Gates Power Transmission Engineering Support at [ptpasupport@gates.com](mailto:ptpasupport@gates.com)