



DRIVEN BY POSSIBILITY™

PHARMACEUTICAL REFERENCE GUIDE

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



TOTAL PACKAGING KNOWLEDGE FOR THE PHARMACEUTICAL SECTOR

At Gates, we offer packaging machinery part solutions across multiple sectors, industries and markets – and, when it comes to pharmaceutical packaging, there's no one better to have on your side. From product handling and processing to material handling and packaging, we can help you stay optimized, productive and, above all, profitable.

PHARMACEUTICALS: THE BIG PICTURE...

- Rising life expectancy for aging populations driving need for medicine
- Secure storage and transportation requirement for pharmaceutical products to prevent contamination
- Globally successful industry with scope to drive innovative and flexible packaging solutions

PACKAGED TO PERFECTION

Whether you're responsible for technical solution development or ensuring your parts – and plant – are running to full optimization, Gates chain-to-belt, easy-to-clean belts and high quality components provide a tailor-made solution to meet your medicine manufacturing needs.

- Our belt and hose solutions are lubricant free and abrasion resistant, without trapping bacteria
- Less belt changes and longer lifetime guarantee with our premium products
- Eco-friendly and efficient to lessen impact on the environment
- Chain-to-belt solutions eliminate downtime and increase production and profits



PACKED WITH BENEFITS

Our expertise is second to none – ensuring complete peace of mind for safe and secure pharmaceutical packaging:

- Providing a 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 – essential for the pharmaceutical industry
- Sustainable citizenship by continuously improving environmental sustainability – we'll have reduced our green-house gas emissions by 15% by 2025

THE **QUALITY** AND REASSURANCE YOU DESERVE



APPLICATION KNOW-HOW

technical experts work with your team to deliver solutions to meet your needs



EXPERTISE

dedicated team to answer questions, provide training and solve challenges



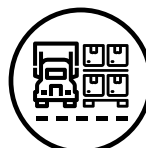
QUALITY

the global performance and reliability you'd expect from Gates



RESPONSIVENESS

flexible regional teams closer to you, providing hands-on service where you need it



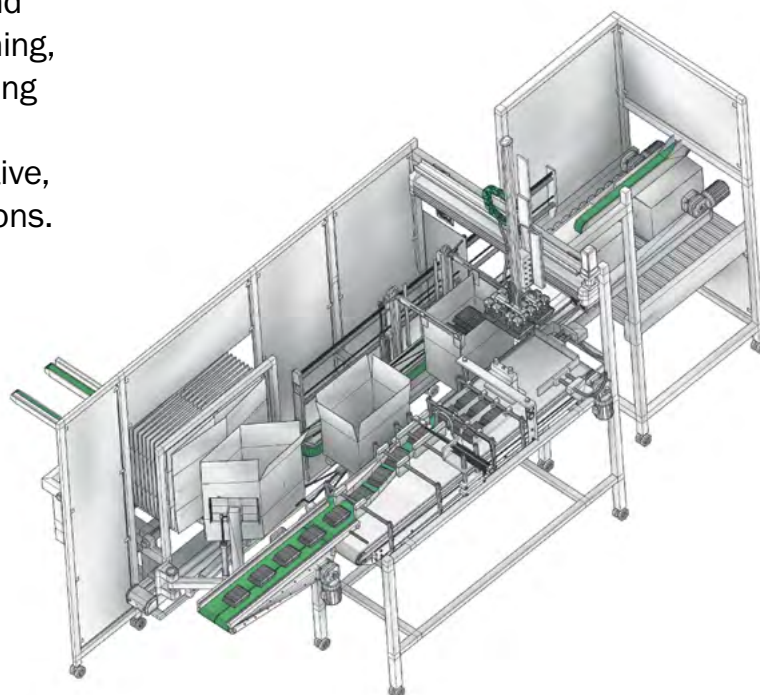
DELIVERY

short lead times that set industry standards

OUR TPU BELTS PRODUCTS PORTFOLIO:

ALWAYS THINKING OUTSIDE THE BOX

Serving applications in synchronous and positive drive conveying, linear positioning, and power transmission, Gates TPU bring you high quality, abrasion-resistant polyurethane – for safe, clean, productive, fully optimized pharmaceutical operations.



1. FOLDING / GLUER AND CASE PACKING



WELDED ENDLESS LINEAR BELT WITH PROFILES

- Perfectly precise – helps you with accurate indexing
Helping hand – holds items while being packed and sealed
- Maximum efficiency – start / stop action without loss of position



OPEN-ENDED LINEAR BELT

- Total precision – motion control moves robotic machinery back and forth, whilst suction cup grabs paperboard



TRULY ENDLESS SLEEVES

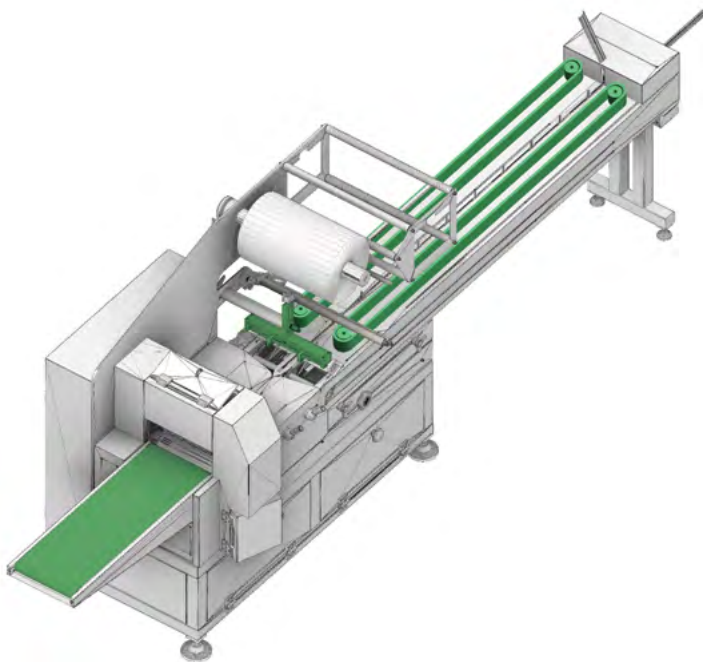
- Complete customization – use of CNC machining to create holes for Vacuum Belt functionality holds down bags as they are filled



WELDED ENDLESS LINEAR BELT AND WIDE BELT WITH OPTIONAL BACKING

- Fully flexible - backings can adjust the level of friction / grip, to customize the belt to the specific application

2. FILLING AND WRAPPING



WELDED ENDLESS LINEAR BELT/WIDE BELT – WITH OPTIONAL BACKING AND PROFILES

- Improved process – abrasion resistant backings to withstand sharp edges and assist with tight conveyor transfer
- Everything in place – profiles to assist in keeping raw materials to uniform amounts before packaging

OPEN-ENDED LINEAR BELT

- Precise motion control – for small and precise wrapping and to grab paperboard

3. SEALING AND LABELING

WELDED ENDLESS LINEAR BELT/WIDE BELT WITH OPTIONAL BACKING

- Improved process – abrasion resistant backings to withstand sharp edges and assist with tight conveyor transfer
- Precise motion control – allows the belt to hold the package steady to apply uniform seal or label

TRULY ENDLESS SLEEVES

- Complete customization – use of CNC machining to create holes for Vacuum Belt functionality



EVEN MORE PHARMACEUTICAL PACKAGING **SOLUTIONS** FROM GATES



GATES VACUUM BELTS

- Secure seal – complete with backings for tablet blister packs



POWERGRIP™ GT3 / POWERGRIP GT4

- Power saving – increases energy efficiency
- Safer all round – no risk of contamination from corrosion problems or lubrication on conveyors



POLY CHAIN® GT CARBON™ VOLT®

- Meets strict USDA sanitation standards – no lubrication means lower contamination risks



HYDRAULIC HOSES

- Perfect match for environmentally safe hydraulic applications



MEGATUFF™ COVER

- Denser cover – locks out bacteria and makes cleanup easier
- Benefits built in – more abrasion resistant without causing cover to be bacteria trap
- Use longer, save more – extends life of the hose by several times (compared to standard hose)
- Up to standard – FDA approved

MXT-XTP™

- No compromise on speed - semi-automatic hydraulic filling machine for tablets and pills
- Fully flexible – adaptable for line operators with less maintenance required
- Lighter is better – manufacturers can use fewer materials and reduce machine size and weight
- Completely compatible – ideal for environmentally safe fluids

CLEAN MASTER™ WASHDOWN/ CLEAN MASTER WASHDOWN 1000/ WASHDOWN MASTER

- Keeps things clean – non-marking cover
- Shield protection – Washdown 1000 cover is resistant to oil and animal fat
- Washdown master – FDA approved

CLEAN MASTER PRESSURE WASH

- Total reassurance – exceeds EN 1829-2 standard
- Keeps things clean – non-marking grey and blue cover
- Full flexibility – upgrading working pressure ranging from 21,0 to 42,0 Mpa (3000 to 6000 psi)
- Optimized options – smaller bend radii and available in longer lengths up to 100m continuously
- Extended usage – sleeves available to increase hose life expectancy

MEGACRIMP™ COUPLING PORTFOLIO

- Simplified design - manual tightening without the need for tools
- Excellence as standard – fitted on all Clean Master Pressure Wash hoses

**READ OUR OTHER REFERENCE GUIDES TO SEE
HOW WE PACK THE KNOW-HOW ACROSS ALL
SECTORS AND INDUSTRIES.**



GATES.COM
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