



DRIVEN BY POSSIBILITY™

HOUSEHOLD, INDUSTRIAL AND
AGRICULTURAL CHEMICALS REFERENCE GUIDE

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



TOTAL PACKAGING KNOWLEDGE FOR THE HOUSEHOLD, INDUSTRIAL AND AGRICULTURAL CHEMICALS SECTOR

At Gates, we offer packaging machinery part solutions across multiple sectors, industries and markets – and, when it comes to household, industrial and agricultural chemicals 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.

HOUSEHOLD, INDUSTRIAL AND AGRICULTURAL CHEMICALS: THE BIG PICTURE

Today's market trends within the household, industrial and agricultural chemical business present ongoing challenges for both plant managers and machine manufacturers alike – but at Gates, we have the solution. We're helping to recalibrate industrial operations and support new manufacturing technologies, cutting formula costs and increasing efficiency upkeep, to address some of the biggest issues facing the sector today:

- Population growth, urbanization, and rising incomes places demand on stockpiling and distribution; packaging industry areas such as R&D and technology need to meet uplift
- Propelled growth of electronic commerce industry seeking versatility and flexibility for speedy printing, labelling and packaging
- Industries looking to reduce environmental impact by utilizing flexible packaging products that require less raw material
- Manufacturers subject to regulatory compliance for hazardous products need to establish secure packaging infrastructures for seamless distribution transfer



PACKAGED TO PERFECTION

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

- Advanced materials for robust functioning with no tensioning after installation
- Our belt and hose solutions are lubricant free and abrasion resistant, without trapping bacteria
- Virtually maintenance free with less belt changes and longer lifetime guarantee on all our premium products
- Eco-friendly and efficient to lessen impact on the environment

PACKED WITH **BENEFITS**

Our expertise is second to none – ensuring complete peace of mind for safe and secure household, industrial and agricultural chemicals 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 – reduce exposure to household, industrial and agricultural chemicals



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



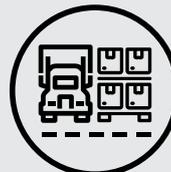
EXPERTISE
dedicated team to answer questions, provide training and solve challenges



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

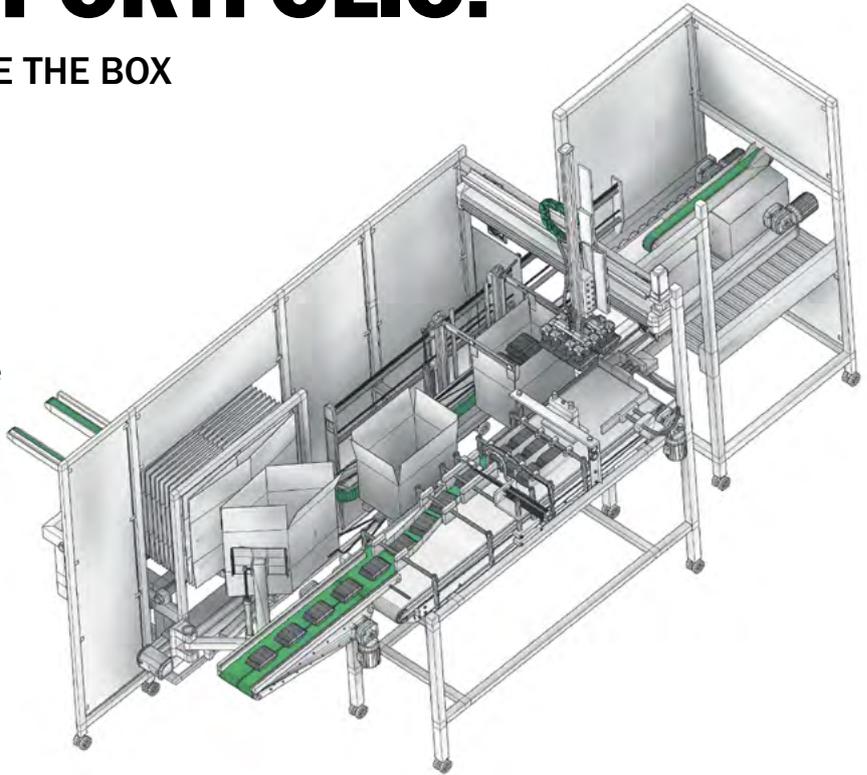


DELIVERY
short lead times that set industry standards

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 household, industrial and agricultural chemicals operations.



1. FOLDING / GLUER AND CASE PACKING

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



OPEN-ENDED LINEAR BELT

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

WELDED ENDLESS LINEAR BELT WITH PROFILES



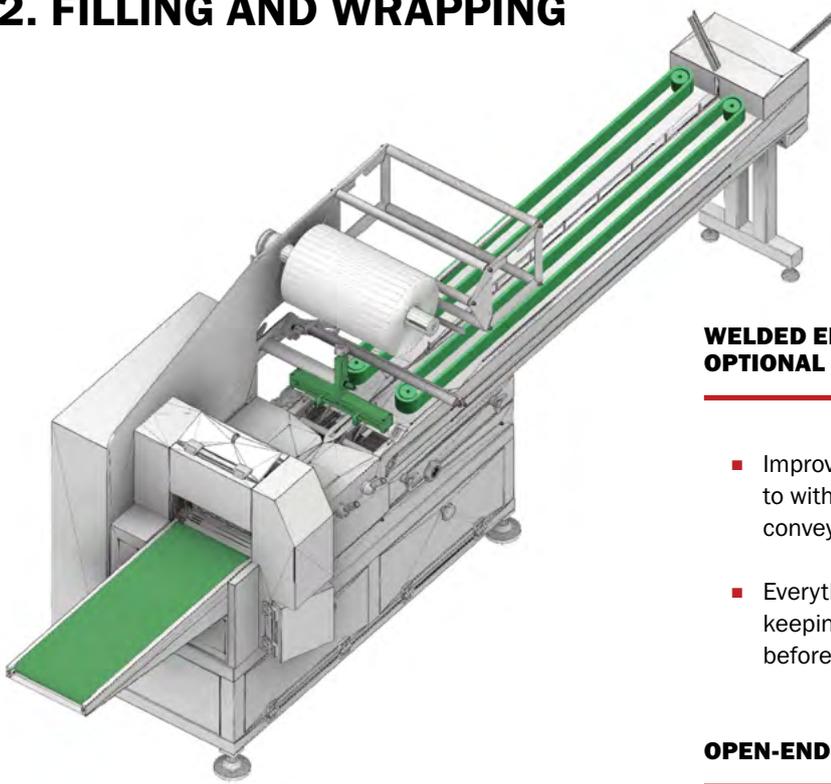
- Perfectly precise – helps you with accurate indexing
Helping hand – holds items while being packed and sealed
- Maximum efficiency – start / stop action without loss of position



TRULY ENDLESS SLEEVES

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

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

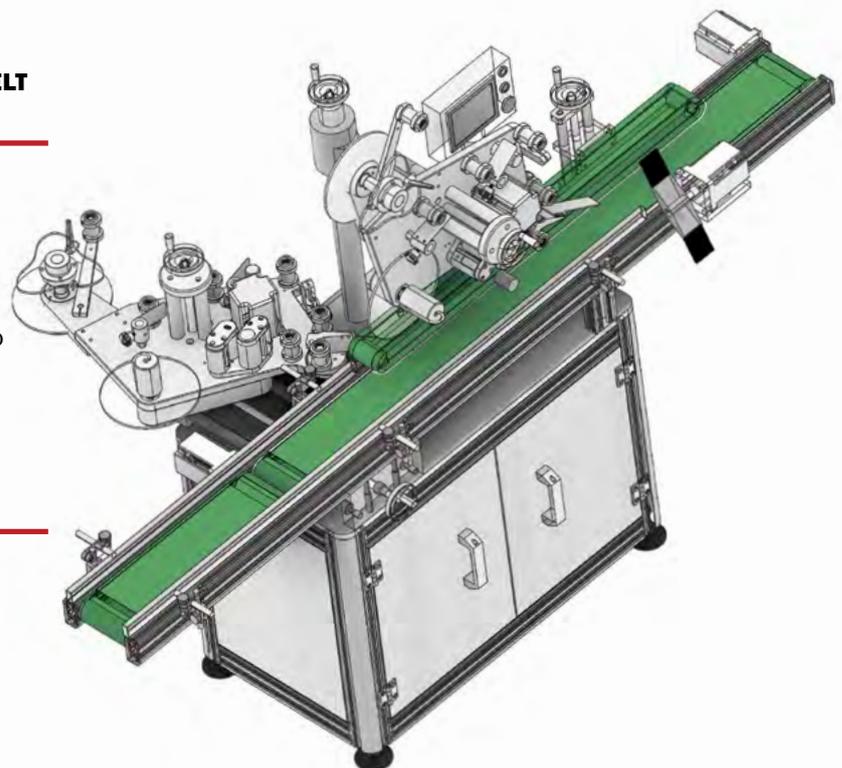
3. SEALING AND LABELING NEEDS

WELDING ENDLESS LINEAR BELT/WIDE BELT WITH OPTIONAL BACKING

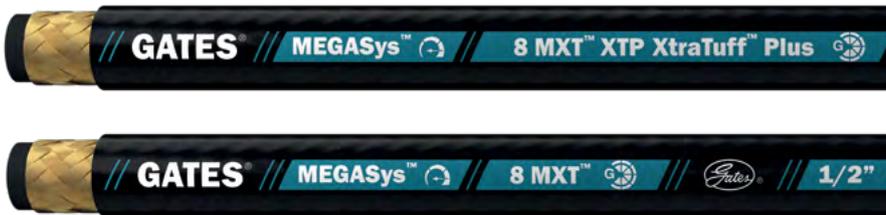
- Improved process – abrasion resistant backings to withstand sharp edges and assist with tight conveyor transfer
- Precise motion control – allows the belt to hold the package steady to apply uniform seal or label

TRULY ENDLESS SLEEVES

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



EVEN MORE HOUSEHOLD, INDUSTRIAL AND AGRICULTURAL CHEMICALS PACKAGING SOLUTIONS FROM GATES



MXT™ AND MXT-XTP™

- Fully flexible – easier hose assembly and less maintenance for line operators
- Premium product – less maintenance means more productivity
- Up to 30% lighter and more flexible – enables manufacturers to use less materials and reduce size and weight of machines
- No wear and tear - abrasion resistant rubber cover
- Completely compatible – ideal for environmentally safe fluids
- Exceed performance – go beyond industry standards, with 3x life guarantee
- And no compromise on speed with MXT XTP – semi-automatic hydraulic application for coil packaging, tertiary packaging and palletizing



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



POWERGRIP™

- 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 – compatible with 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

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



MEGACRIMP™ COUPLING PORTFOLIO

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

GATES.COM
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