



DRIVEN BY POSSIBILITY™

# THE CHAIN-TO-BELT SOLUTION

## PROVEN SOLUTIONS, ENGINEERING CAPABILITY, MATERIALS SCIENCE

DELIVERING IMPROVED SAFETY, RELIABILITY AND PRODUCTIVITY THROUGH ADVANCED MATERIALS SCIENCE TECHNOLOGIES.



### SYNCHRONOUS BELTS

Poly Chain® Carbon™ Volt™, Poly Chain® GT™ Carbon™, 8M, 14M, 19M, Extended Length, and PowerGrip® GT™ 4.



### GATES TPU BELTS

Linear fabricated, linear rolled, wide belts, flat belts, flex belts, and food belts.



### METALS

Sprockets and idlers.

INDUSTRIES + END MARKETS	APPLICATIONS
Asphalt + Cement Plants	Bucket Elevators
Aggregates + Bulk Materials	Vertical Lift Systems
Grain Silo + Agriculture	Transport Conveyors
Lumber Mills	Leg Elevators
Oil + Gas	Fans + Pumps

REDEFINING WHAT'S POSSIBLE AROUND THE WORLD

# THE BENEFITS PAY FOR THE COST TO UPGRADE BELT-DRIVE SOLUTIONS

GATES SYNCHRONOUS BELTS ELIMINATE DOWNTIME AND INCREASE PRODUCTION AND PROFITS. IT'S THE PROFITABLE SOLUTION TO REPLACE LARGE ROLLER CHAINS AND GEARS.

## GATES BELT-DRIVE SOLUTIONS:

- Requires no lubrication
- Virtually maintenance free
- Significantly reduces weight
- Carbon tensile cord does not stretch
- Belt sprockets are good for 2-3 belt changes
- Reduces maintenance cost
- Increases uptime
- No crane rental to replace belt
- No tensioning after installation
- Improves HSE

## THE PAIN WITH CHAIN

### TRADITIONAL DRIVE SOLUTION CHALLENGES:

#### MAINTENANCE

- High-quality chain is expensive
- Chain stretch requires link removal
- Roller chain is heavy

#### HEALTH + SAFETY + ENVIRONMENTAL

- Chains are heavy and awkward to move
- Oil baths create risk: environmental, fire and occupational safety

#### DOWNTIME

- Frequent chain and sprocket replacement
- Continuous retensioning
- 1-2 hour downtime exceeds total cost of drive solution



### DRIVE DESIGN OFFERS:

- Measurements of drive on site.
- Complete drive design report.
- Detailed quote, ROI with payback period (6-12 months or less).

**REQUEST A  
RISK-FREE  
SURVEY  
AND DESIGN**



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