

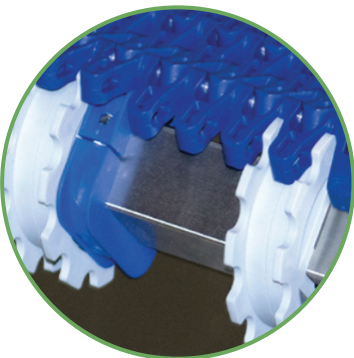


GEARING UP FOR SUCCESS! DRIVING FOOD AUTOMATION



THE TOP FIVE REASONS YOU SHOULD CONSIDER PLASTIC GEARS AND SPROCKETS

- 1 LIGHTWEIGHT**
Plastic gears are typically lighter than metal. Reduced weight gears consume less power and thus reduces the size requirements for drive motors. Reduced weight also leads to increased line speeds that ultimately improve efficiency.
- 2 CORROSION-RESISTANT**
Plastic does not break down when exposed to the caustic chemicals used during wash downs nor does plastics have a tendency to decay. Metal can become pitted creating fatigue as well as stress cracks. Plastic gears last much longer and to have more a extensive operational life than those that are made of metal.
- 3 ENHANCED SHOCK ABSORPTION**
Plastics have greater flexibility than steel which gives it significantly higher levels of shock absorption. This is a particularly strong benefit where automation lines constantly stop and go which involve a sudden bursts of energy resulting in shock load.
- 4 LARGER, STRONGER**
The flexibility of plastics such as Nylon allows gears to be made much larger than their metal counterparts. When a gear is wider and thicker it becomes stronger and is able to bear more load. The transitioning force is spread across a larger cross section!
- 5 INTERNAL LUBRICATION**
Many types of plastics have self-lubricating benefits. Self-lubrication is ideal in eliminating the need for maintenance engineers to constantly apply messy lubrications. Plastics gears are perfect for Food processing and conveyor equipment since it would eliminate the need to shut a production line down, and eliminate a pasty grease that traps unwanted contamination.



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