



Michigan Industrial Belting Inc.

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SilentSync® [Synchronous Belts](#) > SilentSync®

Our Exclusive System of Engineered Sprockets and Belts

The new SilentSync offers a powerful innovation in synchronous drive systems. With up to 25% more power capacity* and static conductivity, it's a revolutionary upgrade from previous models – and even more advanced than standard round-tooth belts and chain drives.**

SilentSync advantages:

- Up to 25% more power capacity
- Static conductivity
- Up to 19dB quieter than straight tooth belts
- Over 1,500 possible sprocket combinations
- Rated for continuous service at 200° F
- Up to 98% energy efficiency

SilentSync's patented Helical Offset Tooth (H.O.T.) design merges belt and sprocket into the quietest, smoothest and one of the most compact synchronous drive packages available. The result is a continuous rolling tooth engagement that reduces vibration and improves the overall efficiency of your drive system.

SilentSync offers the following:

1. **Aramid Tensile Member** – pound for pound, stronger & more flexible than steel to handle today's drive design. Resists fatigue, elongation and shock loads, even in high-torque conditions, so there's no need to retension SilentSync belts once properly installed.
2. **HiBrex® Rubber Compound** – resists tooth deformity while increasing tooth rigidity to ensure precise synchronization over prolonged use. Also resists the effects of oils, coolants, heat and ozone for maximum service life.
3. **Plioguard® Facing** – proprietary treatment strengthens the tooth, increasing load carrying capacity. Reduces tooth engagement friction, allowing for prolonged belt life and minimal wear while allowing the belts to operate in a wide variety of environments.
4. **Color Spectrum System** – color-coded part numbering system of belts and sprockets make it easier to select proper drive combinations. Match the color and you've matched the correct belt and sprocket!