



## Problem

- Five people required to replace the existing urethane belts
- Replacement time for the urethane belt was 4.3 hrs
- Total annual lost production time: 26 hrs due to unscheduled machine downtime
- Average belt life was 52 production days

## Solution

- Using PowerTwist, a single person can now replace the belts
- Replacement time for PowerTwist is just nine minutes
- Total annual lost production time: reduced to 9 min of unscheduled downtime
- PowerTwist lasted 312 production days without being replaced

## Calculated Cost Savings

Added Value of POWERTWIST	Current Belts	POWERTWIST	Difference
<b>Operation Cost Savings</b>			
Cost of belt used per year	\$105	\$302	\$(197)
Cost of freight/shipping costs for belt ordered	\$10	\$5	\$5
<b>Downtime Cost Savings</b>			
Cost of downtime needed to change belts	\$350	\$42	\$308
Cost of downtime needed to re-tension belts	\$70,000	-	\$70,000
<b>Labor Cost Savings</b>			
Time needed for purchasing/warehousing/stocking of belts	\$12	\$3	\$9
Labor cost to change belts	\$2	-	\$2
Labor cost to re-tension belts	\$300	-	\$300
Emergency purchase trips to restock/resupply belts	\$6	-	\$6
Cost Savings per unit per year			\$70,433
<b>Total savings for 5 units with POWERTWIST</b>			<b>\$352,165</b>

## Annual Cost Savings

**\$ 352,165**

- *99.9% savings with reduced downtime*
- *99% reduced labor costs due to quicker changeover time*
- *Eliminates re-tension time*
- *Eliminates emergency purchase trips*

