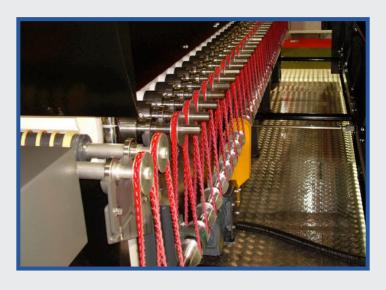
# **POWERTWIST**



#### **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
Operation Cost Savings			
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
Labor Cost Savings			
Time needed for purchasing/ware- housing/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
Total savings for 5 units with POWERTWIST			\$352,165

## 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





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