



### Problem

- Current belts required replacing every 12 months.
- Belt replacement required dismantling the idler pulley system, causing up to 90 minutes of expensive downtime.

### Solution

- Belt life now exceeds 3 years. The combination of high strength and low elongation under load resulted in increased V-belt longevity and durability.
- Easier installation without dismantling the conveyor. Belt replacement time was reduced to under 30 minutes.

## Calculated Cost Savings

Added Value of POWERTWIST Roller Drive	Current Belt	POWERTWIST Roller Drive	Difference
<b>Operation Cost Savings</b>			
Cost of belt used per year	\$22	\$37	\$(15)
Cost of freight/shipping costs for belt ordered	\$1	-	\$1
<b>Downtime Cost Savings</b>			
Cost of downtime needed to change belts	\$20,000	\$2,000	\$18,000
Cost of downtime to re-tension belts	\$10,000	\$800	\$9,200
<b>Labor Costs Savings</b>			
Cost of time needed for purchasing/warehousing/stocking of belts	\$80	\$40	\$40
Cost of labor to change belts	\$40	\$4	\$36
Cost of labor to re-tension belts	\$20	\$2	\$18
Cost of emergency purchase trips to restock/resupply belts	\$40	-	\$40
Cost Savings per unit per year			\$27,320
<b>Total savings for 6 units with POWERTWIST Roller Drive</b>			<b>\$163,920</b>

## Annual Cost Savings

**\$ 163,920**

- **91% savings with reduced downtime**
- **74% reduced labor costs due to quicker installation and re-tension time**
- **Eliminates emergency purchase trips**

