

**THE MEGADYNE GROUP**



**POWERING GLOBAL INDUSTRY**

# Conversion Success

## Roller Chain to Platinum Timing Belt

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# Application



## The environment:

- Commercial laundry facility for medical and hospital linens
- This customer has 26 service centers across the USA

## The Equipment

Pellerin Milnor Dryer

Model# 7272TG1R

Handles approximately 375 Lbs. of Laundry

The drive turns in one direction, stops and turns in the opposite direction.

# The problem



## WHY CHANGE CHAIN?

- Premature chain failures
- High Temperature causes the lubricant to flow out of the chain
- Lint wicks the lubricant from the chain
  
- Lint collects within links, lint wicks the chain lubrication; heat is a contributor to **PREMATURE CHAIN FAILURE**

# Specifics



## Current Drive

**Driver** = 5 HP electric motor  
1740 RPM coupled to 8.59:1 ratio  
gearbox 1 5/8" shaft  
26 Tooth Double 60 roller chain  
sprocket

**Chain**= Double 60 roller chain

**Driven** = 21 Tooth Double 60  
roller chain sprocket

**Center distance**= 15"

**Additional data**= Variable  
frequency drive controller



# The objective and conversion



✓ Heat/lint/lubrication drying issues will be resolved with Platinum Belt

## PLATINUM Drive

**Driver** = 5 HP electric motor  
1740 RPM coupled to 8.59:1 ratio gearbox  
1 5/8" shaft  
34 tooth RPP sprocket

**Belt**= 1260PLT14M37 RPC Platinum

**Driven** = 28 tooth RPP Sprocket

**Center distance**= 16.25"

**Additional data**= Variable frequency drive controller



# The results & opportunities



✓ Heat/lint/lubrication drying issues resolved

- \$2,272 total sales to one plant
- \$60,000 in potential sales all locations just in converting dryers

Other Megadyne product opportunities in Commercial laundry plants

- **Jason Industrial Inc.**
- **Sampla Belting**
- **Belt Corp of America**

# Potential opportunities



<http://www.puretexsolutions.com/products/healthcare-linens/>

<https://keystoneclick.com/our-work/healthcare-laundry-systems>

<http://cls-chicago.com/>

<http://www.emeraldsd.com/about-healthcare-laundry-systems/>

<http://ecotex-hls.com/locations/>

<http://www.hslinenservices.com>

<http://www.ontariolinen.com/>

<https://www.mohawkssi.com/en/services/linens.asp>

<http://yourlinenservice.com/services/healthcare/>

<https://www.ameripride.com/linens-and-towels/healthcare-and-hospital>