

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

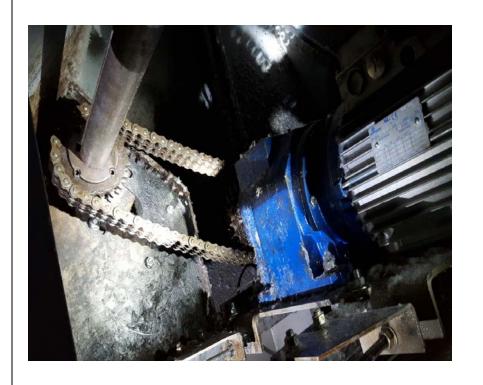
Driver = 5 HP electric motor 1740 RPM coupled to 8.59:1 ratio gearbox 1 5/8" shaft 26 Tooth Double 60 roller chain sprocket

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 <u>resolved</u>

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

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.hlslinenservices.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-

<u>hospital</u>