

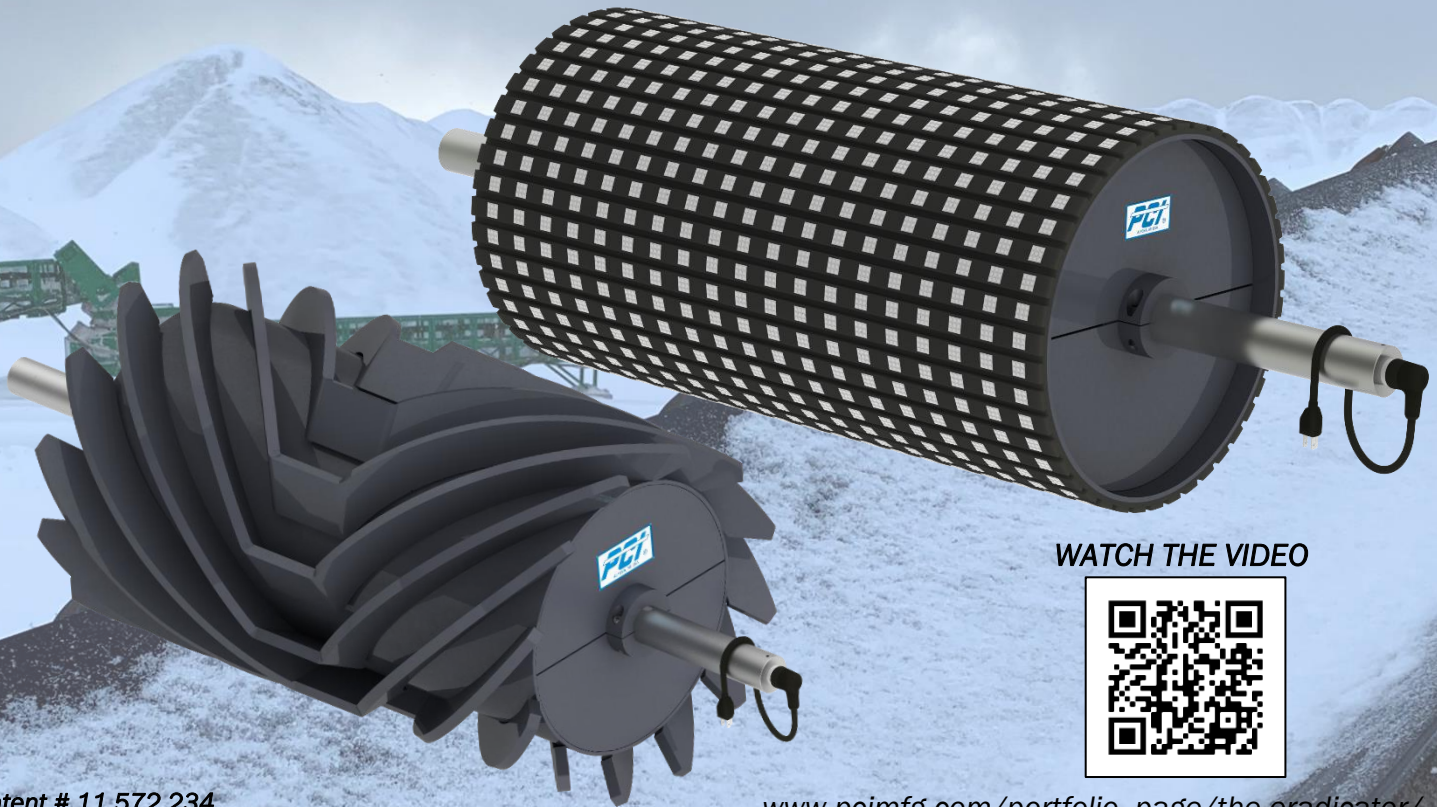
CONVEYOR PULLEYS

Focus Flyer

The Ice Eradicator®



PCI's patented Ice Eradicator is the world's first proven solution to temper the costly effects of frozen conveyor belts. When installed in the head position, a drum style Ice Eradicator will de-ice and soften the conveyor belt encouraging startup in freezing conditions. PCI's innovative technology can also be adapted to any Eradicator® or Deflector® wing pulley to discourage problems related to ice buildup in non-drive positions.



WATCH THE VIDEO



Patent # 11,572,234

www.pcimfg.com/portfolio_page/the-eradicator/

DESIGN BENEFITS...

COLD WEATHER PERFORMANCE

The Ice Eradicator reduces belt slip in cold environments through its patented heated core technology. In freezing environments, conveyor belts become rigid, preventing conveyor operation by disrupting the ability of the drive pulley to grip the belt. The Ice Eradicator enhances belt grip in cold temperatures by maintaining an elevated temperature near the pulley's outer surface thereby heating the belt to discourage belt freeze.

REDUCE SAFETY HAZARDS

In cold weather months, frozen belts increase the amount of time required to successfully startup a plant operation. To minimize downtime, unorthodox methods of resolution are sometimes employed. Many of these methods increase the likelihood of workplace accidents. The Ice Eradicator reduces the safety risk posed by direct human intervention at the drive position with tools like propane burners or liquid chemicals.

NO DIRECT FLAME

Alternate methods for resolving frozen conveyor belts utilize direct flame to provide the heat necessary for startup. Although effective, use of direct flame at the site can increase the risk of fire or workplace injury. In addition, heating fuel can prove costly during cold weather months. The patented design of the Ice Eradicator eliminates the need for direct flame providing proven performance without the added cost and risk of direct flame.

SIMPLIFIED INSTALLATION

The Ice Eradicator is engineered for easy installation with minimal modification to the existing conveyor structure. Worry free performance at sub-zero temperatures is possible with a single 120V 15A power service.



(989)358-6149

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How does PCI's Ice Eradicator work?

PCI's patented technology incorporates a slip ring and heating element to heat an environmentally friendly internal liquid solution. With a GFCI protected 120V 15A power supply, the Ice Eradicator can be energized just hours prior to conveyor system start-up (harsher environments may require more time). When energized, the surface temperature of the pulley increases at a rate of up to 25°F per hour which increases the belt temperature at a rate of up to 5°F per hour. By elevating the surface temperature of the pulley, the belt to pulley connection is de-iced and the belt softened increasing the likelihood of successful conveyor start-up. In critical applications and all non-drive positions, the Ice Eradicator may be energized during operation for performance in extreme conditions.



In an environment of 20°F ambient temperature and 5" of fresh snow, PCI's Ice Eradicator completely melts snow and ice in three hours with a single 120V 15A power source.



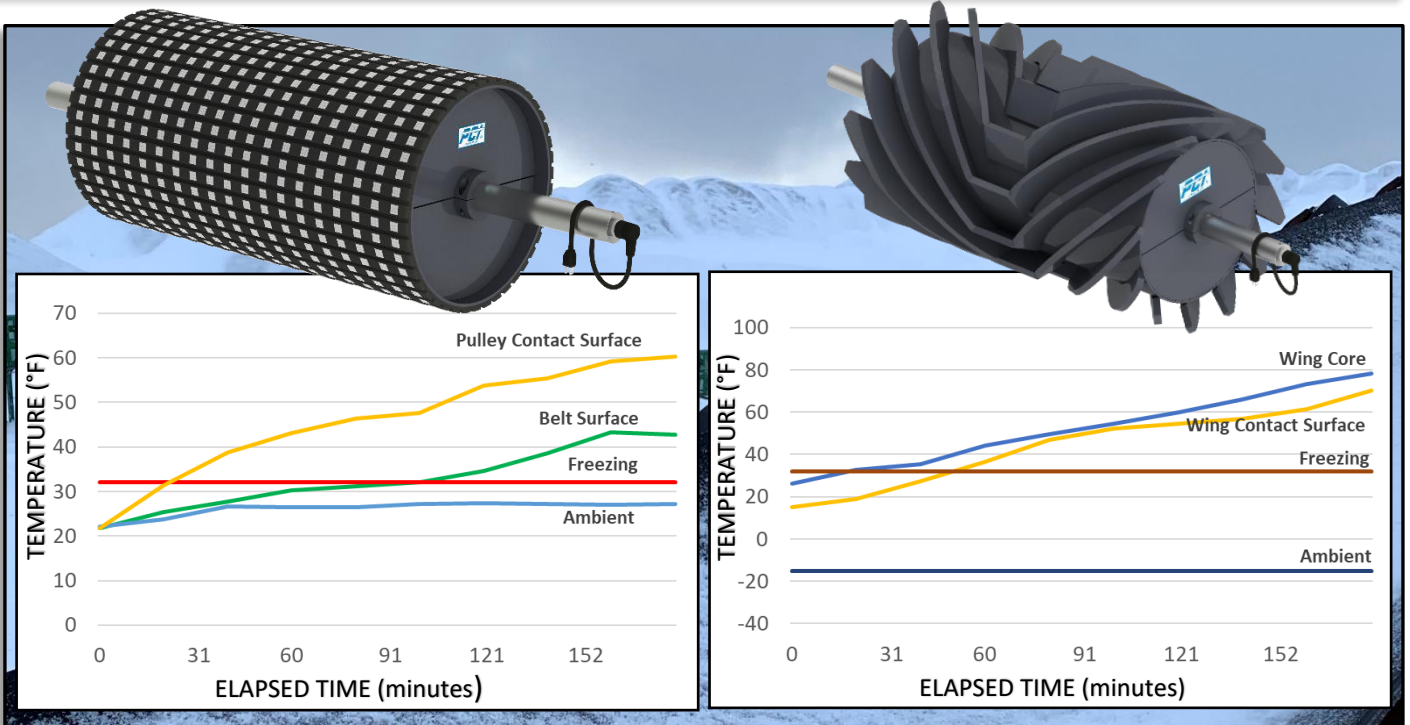
60 MINUTES

1HR 40 MINUTES

2HRS 20 MINUTES

3 HOURS

ELAPSED TIME AFTER ENERGIZING PCI ICE ERADICATOR



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