

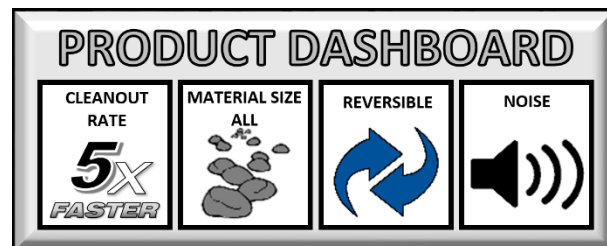
# CONVEYOR PULLEYS

## Focus Flyer

### The Deflector™ Wing Pulley



The Deflector™ wing pulley increases the performance of a traditional wing pulley with the addition of PCI's proven and patented ports coupled with angled deflectors to continuously direct material to the outer edges of the pulley.



WATCH THE VIDEO



[www.pcimfg.com/portfolio\\_page/the-eradicator/](http://www.pcimfg.com/portfolio_page/the-eradicator/)

Patent# 8,857,606  
Patent# 10,442,631

## DESIGN BENEFITS...

### ACCELERATED CLEANOUT

The design of the Deflector™ wing pulley stems from the proven performance results of the Eradicator®'s angled wings and cleanout ports. The patent pending design of the Deflector maintains the straight wing members of a traditional wing but incorporates deflectors to fling material towards the edges. When installed with the deflectors angled towards the direction of belt travel, the Deflector minimizes recirculation of material and provides a cleanout rate up to **5 times faster** than its traditional counterparts provide. Even when installed in the opposite direction, this innovative design has a cleanout rate 2 times faster than a traditional wing pulley.

### BELT CLEANING

The straight wing members of the Deflector™ wing pulley allow for intermittent contact with the conveyor belt and provide belt slapping and vibration to help knock lodged materials off of the conveyor belt.

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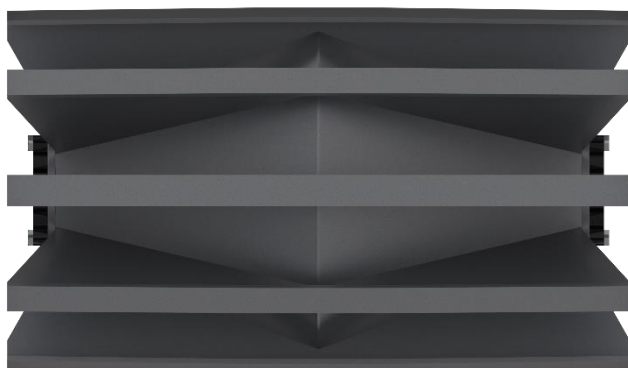
## The Deflector™ Wing



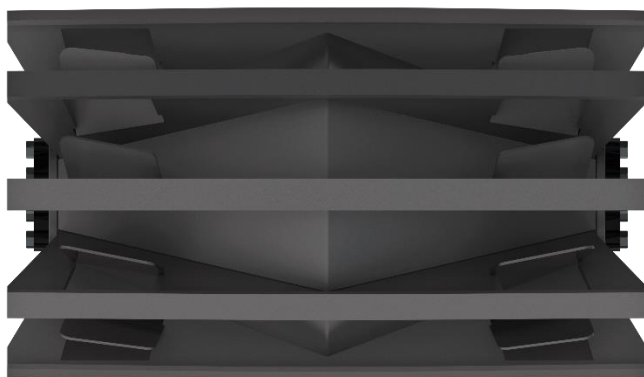
### *How is PCI's Deflector™ Wing different from a traditional Wing Pulley?*

Traditional wing pulleys feature straight wings that contact the belt intermittently, entrapping, and recirculating material rather than displacing it, often leading to belt damage and pulley failure. The Deflector wing pulley utilizes the same straight wing members as a traditional wing pulley but drastically improves cleanout efficiency from its cleanout ports and patent pending deflectors. The accelerated cleanout produced by the deflectors and ports will provide longer component life for the pulley and the belt.

### *TRADITIONAL WING*



### *THE DEFLECTOR WING*



### *What applications benefit from using the Deflector Wing Pulley?*

Because the Deflector wing pulley improves on the performance of a traditional wing pulley, any bulk material application where a traditional wing pulley is being used will benefit from the Deflector. However, if maximum cleanout efficiency is desired, no other conveyor pulley will perform as well as the Eradicator.

### *How do I order a Deflector Wing Pulley?*

The Deflector will replace all PCI traditional wing pulleys 14" in diameter and larger when construction allows. When you order a traditional wing pulley from PCI in this size range, you'll receive the Deflector and its innovative design features.

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