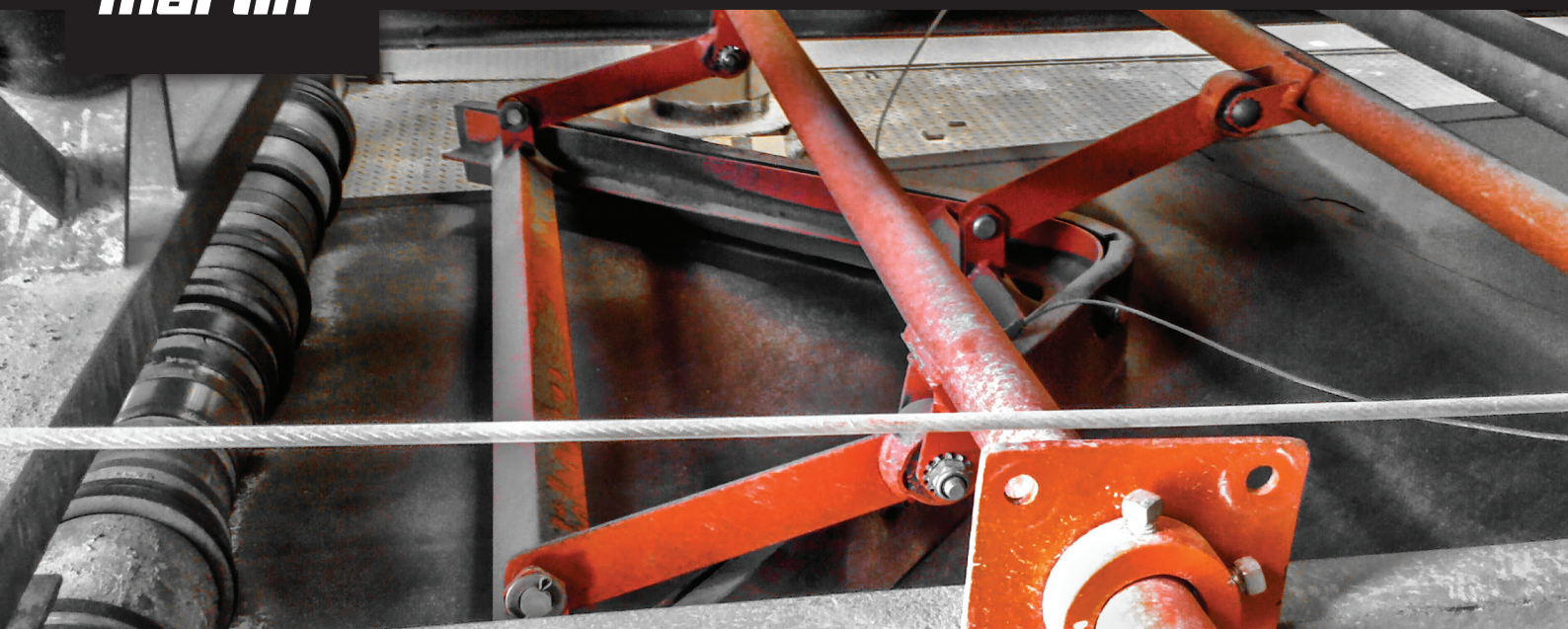




# MARTIN® V PLOUGH & BIAS PLOUGH



**PROBLEM** The entrapment of anything between the belt and the pulley can do significant damage to a conveyor system. When fugitive material becomes trapped between the belt and the pulley, tears and holes may form across the length of the belt and damage to the pulley may lead to belt misalignment and slippage.

The most damaging problem arising from the entrapment of material between the belt and tail pulley is the fact that it can become a repeating phenomenon.

**SOLUTION** A pulley-protection plough removes fugitive materials with a simple, low-pressure scraping that directs the material off the belt. Instead of cleaning fines off the belt, the primary mission of a plough is to block any large lumps or stray conveyor components, such as idler rollers, belt cleaner blades or other tramp iron, from entering the tail pulley where they can damage the belt.

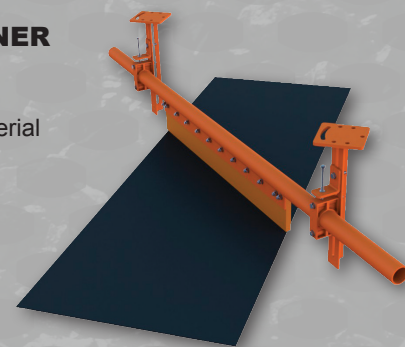
## MARTIN® V PLOUGH BELT CLEANER

The scraper is mounted to the conveyor stringers ahead of the tail pulley or other nip location. In cases of severe contamination and/or inclined belt situation, the centre point mounting is spring loaded to provide a constant positive pressure on the plough, thus ensuring continuous belt cleaning and optimum cleaning.

## MARTIN® BIAS PLOUGH BELT CLEANER

The Angle or Bias plough is a variation of the V-plough concept, for use in situations where material can only be discharged at one side of the belt.

The plough is mounted on the conveyor stringers and the blade is held at a constant angle to the belt surface, in a trailing position by parallel linkages attached to the blade mountings at each side. The scraper can be installed to discharge to either side of the belt.



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