

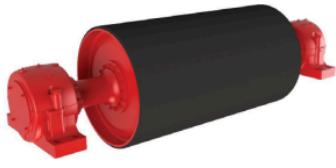
The background features a series of thin, brown, wavy lines that create a sense of motion and depth. In the lower portion of the image, a large-scale industrial conveyor system is visible, consisting of multiple parallel rollers and a metal walkway. A worker in a high-visibility orange vest and white hard hat is standing on the walkway, providing a sense of scale to the massive machinery.

# **Pragati** **INDUSTRIES**

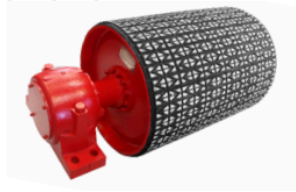
**Bulk Material Handling System**

[pragaticonveyors.com](http://pragaticonveyors.com)

# PULLEYS



**Cold Bonded  
Rubber Lagging**



**Hot Vulcanised  
Rubber Lagging**



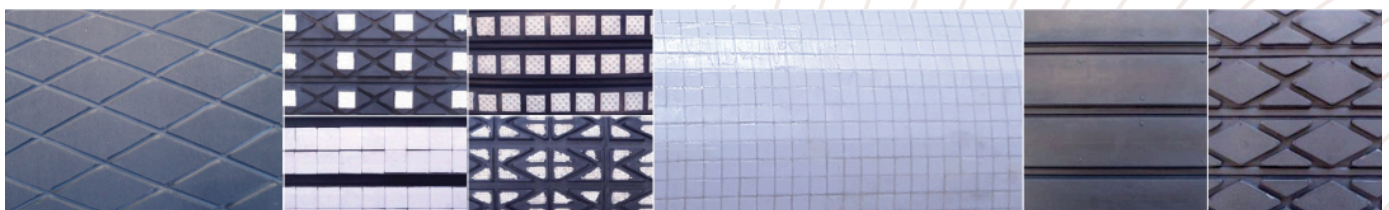
**Direct Bond  
Ceramic Lagging**

According to the position that they occupy in a belt conveyor, the pulleys must withstand the forces imposed by both belt tension and conveyed load. To be as efficient as possible both for replacement and for new installation, proper selection of pulleys requires the following data that allows the determination of the construction characteristics and dimension.

The principal data necessary to design a pulley comprises the following:

- Belt width.
- Diameter of drum in relation to the belt type and characteristics.
- Locking arrangement of the shaft to the pulley (Friction lock assembly of inner bearing).
- Position of pulley (drive, return, snub, etc.)
- Belt tension  $T1 + T2$ .
- Type of lagging as required.

Pragati pulleys have been developed using a high degree of security in the dimensioning of the flanges in the sizing and penetration of the welding and in the assembly between the shell, and pulley end disc. The conveyor pulley shells are one-piece rolled with a single seam weld. The fabrication is accurate in concentricity. All of the pulleys are static balanced; it can be dynamic balanced if requested.



**Cold and Hot  
Vulcanised Rubber  
Lagging**

**Rubber Backed  
Ceramic Lagging**

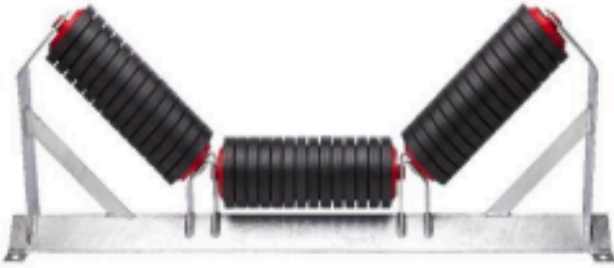
**Direct Bond  
Ceramic Lagging**

**Varying range of  
Thickness, Patterns,  
Profiles, Pitches and  
Grades.**

# IDLERS



**Three Roll Trough**



**Impact Trough**



**Dropdown**



**Transition**



**Twin Roll Trough**



**Picking**

# IDLERS



**Suspended**



**Rigid Suspended**



**Flat Return**



**Twin Vee Return**



**Trainer Trough**



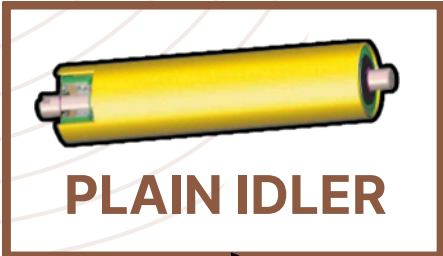
**Return Trainers**



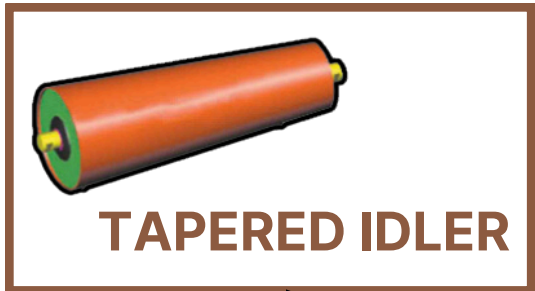
# IDLERS



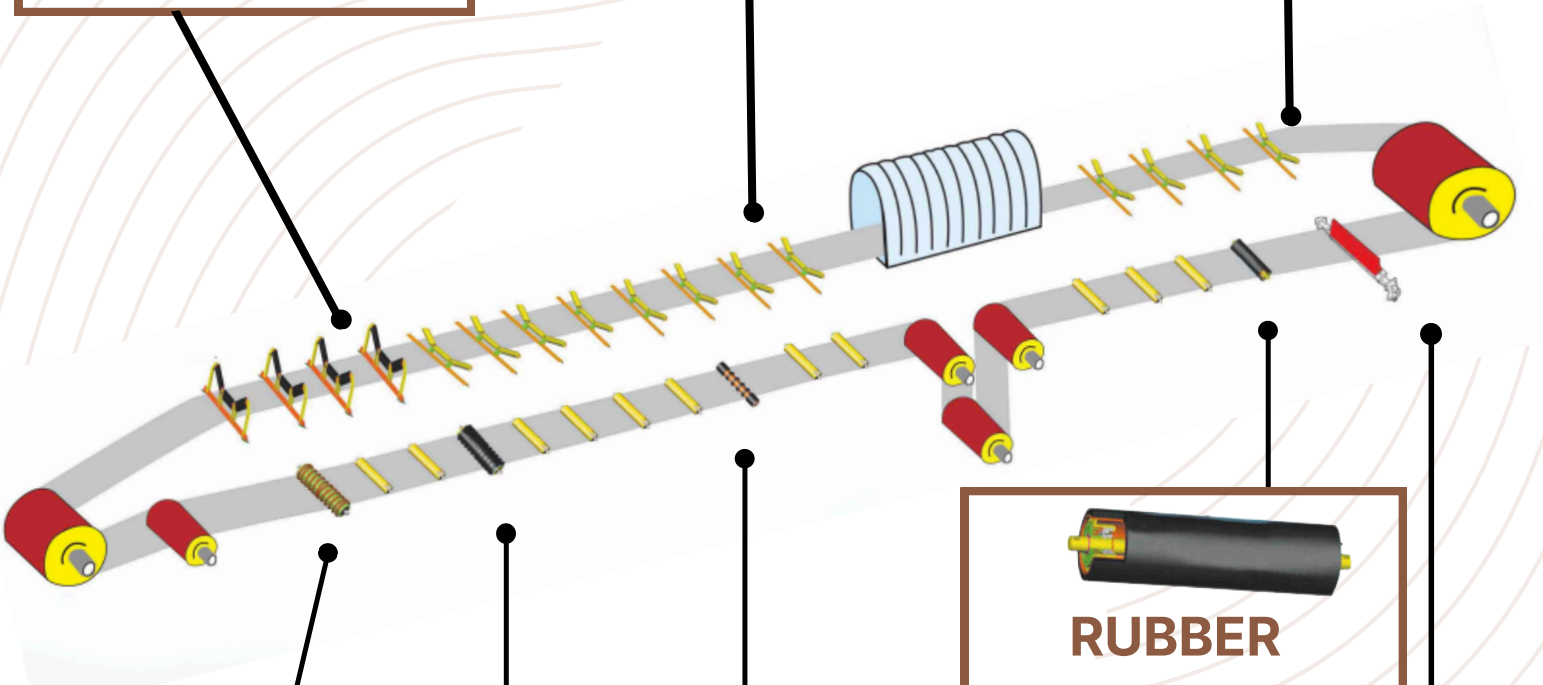
**IMPACT IDLER**



**PLAIN IDLER**



**TAPERED IDLER**



**STEEL SCREW IDLER**



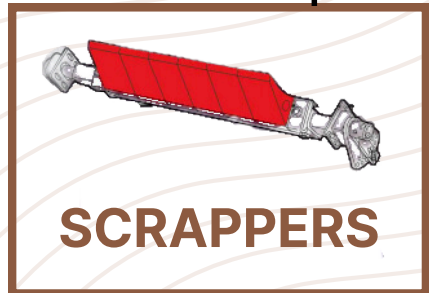
**RUBBER DISK IDLER**



**RUBBER COATED IDLER**



**RUBBER SCREW IDLER**



**SCRAPPERS**

# DIVERTER

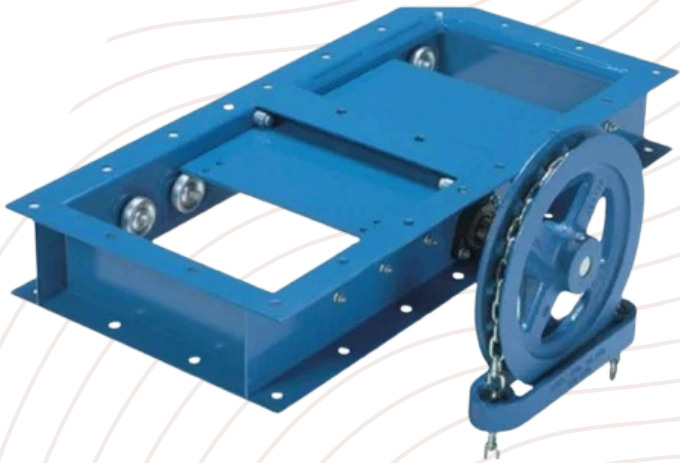
## V- Plough Diverter



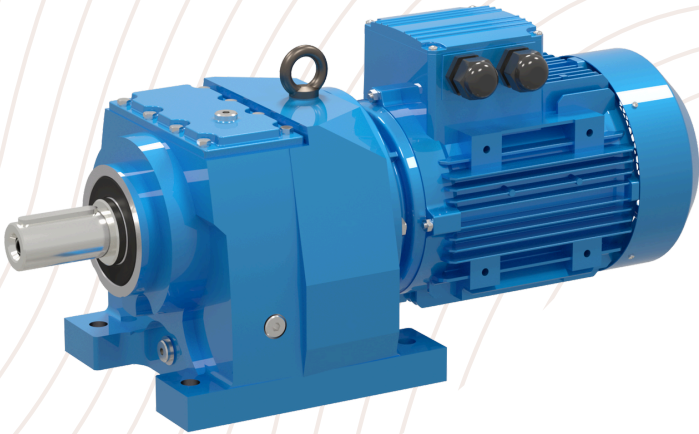
**Electro mechanical motorised or pneumatic is positioned midway along a conveyor belt and is used to divert material from the belt.**

**It is usually used in conjunction with a chute. Bulk material is pushed over one or both sides of the belt by a specially designed blade. The blade can be raised or lowered as required by manual or process control. Activation method can be hydraulic, pneumatic or electric motor drive. Our design incorporates a special mechanism to ensure the material is efficiently removed from troughed belts.**

# MORE FROM OUR RANGE:



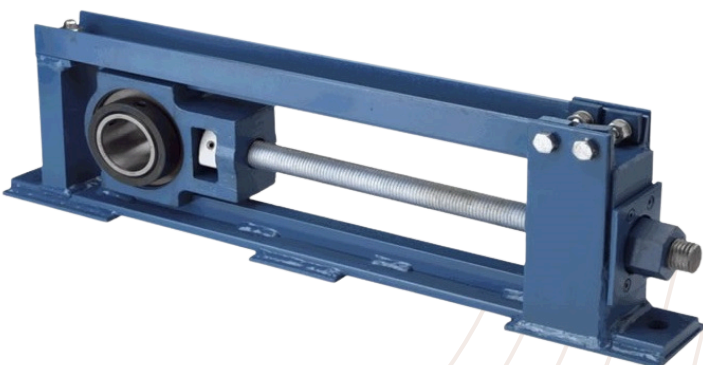
**Rack And Pinion Gates**



**Motors/Gearboxes**



**Safety Switches**



**Screw- Take Up Units**

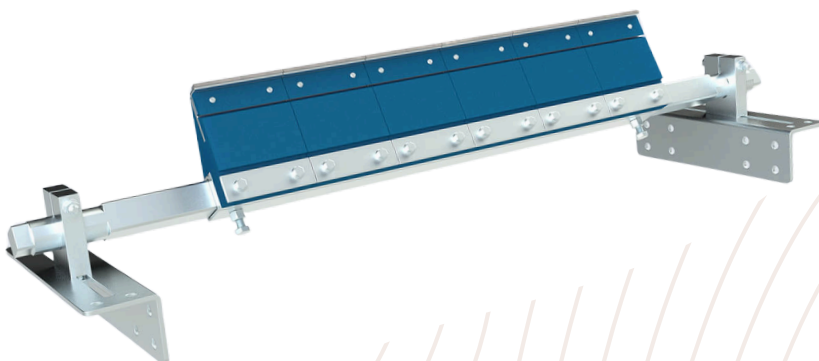
# MORE FROM OUR RANGE:



**Bearings and Bearings  
Block - SKG/FAG**



**Conveyor Belts**



**Scrapper -  
External/Internal**