



**Lighter the body
Better the Performance**

POLYCAT[®]

Patent No. 3457 / MUM /2011 A

**High Performance
Polymer Idler / Roller
with Composite Shaft**



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Advantages Over Steel Rollers

- Power savings
- Antistatic formulation
- Anti-corrosion
- Impact resistance
- Self cleaning
- Increased belt life

These rollers are drop-in replacements for metal rollers used on the carrying and return sides of a conveyor system. The roller shell is made with HPPE Polymer having a molecular weight of 3.8 million Grams per MOL to offer the most optimal hardness while still maintaining light weight. Polycat rollers are available in various diameters and can be used with any belt widths upto 1800 mm.

Advantages: Polycat rollers weigh just 25% compared with conventional steel rollers. The Polycat rollers are anti-corrosive, anti-static, self-cleaning, save 22% electric power, and increase belt life. They can be used on all conveyors in cement plants with ambient temperatures of upto 100 C.



Integrated Cost Effective solutions for Belt Conveyors

Global Belt Tracking System

Our advanced carrying and return belt tracking rollers keep the belt from wandering off-center. A belt that has wandered off-center tends to increase spillage at loading points and cause heavy wear on the edges of rollers leading to premature **failure of rollers and subsequent damage to belts.**

Advantages: The Global belt tracking system does not require guide rollers to keep the belt aligned. The rollers can also be safely used in reversible type conveyors where frequent reversals are required to change the direction of discharge.



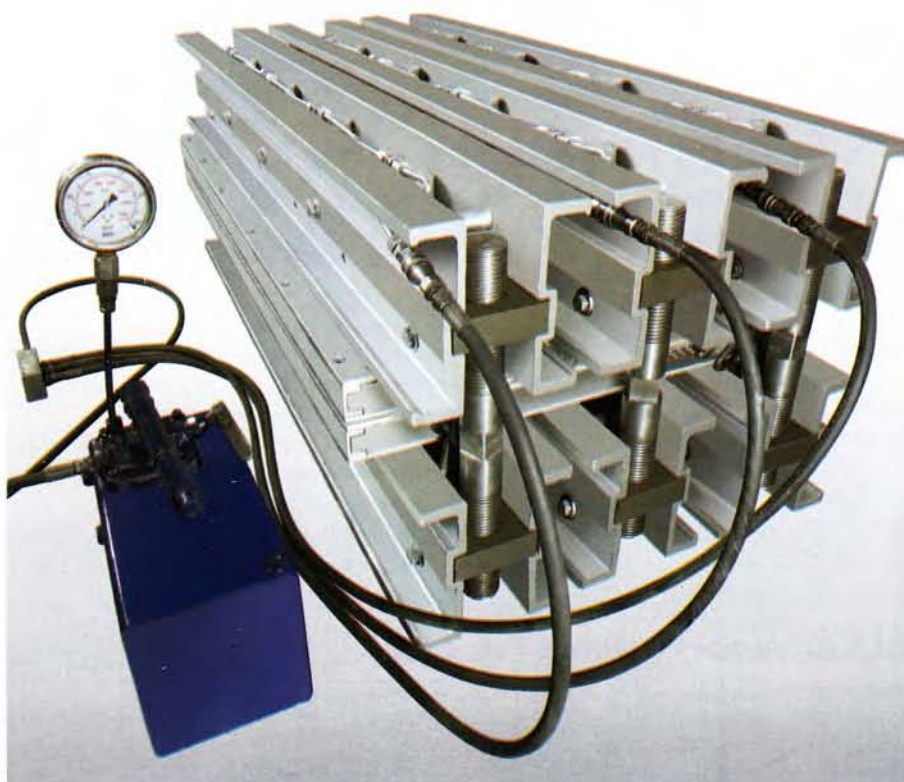
Global Belt Winder



A belt winder is an essential piece of equipment for every plant using heavy-duty, long conveyors. Using our mobile belt winders, mounting or replacing conveyor belts on the conveyor system takes minimum downtime and minimum man power.

As the new belt is mounted on the system, the old belt is removed in bundles of 200 to 300 meters depending on the thickness of belt. These bundles can be stored for reuse or can be sent for reconditioning. We manufacture mobile and stationary belt winders for upto 1800 mm belt widths. The winders have a capacity of 20 MT and are equipped with hydraulic motors and a power pack.

Global Belt Vulcanizing Machine



Global's belt vulcanizing presses are manufactured using a special aluminium alloy. We manufacture vulcanizing presses for belt widths of upto 2000 mm. Presses with a single platen as well as combination presses are available to support various belt widths. Hydraulic cylinders located in the upper cross beams help develop uniform pressure.

Each press is custom-made to suit the belt width and material (fabric or steel cord). Temperature of platens is controlled by solid state temperature controllers.

These machines help to quickly create hot vulcanized joints that have maximum strength.

Global Vertical Brush Cleaners



High Performance Bag Cleaning Rotary Brushes

It is required to print information on filled and sealed bags for products such as cement, fertilizers, chemicals and sugar. However, the printing is often dull and non-readable due to accumulation of fine dust on the bag's outer surface. To overcome this problem, Global has developed VERTICAL HIGH PERFORMANCE ROTARY CLEANERS. This cleaner is placed just before the inkjet printer to ensure that the printing surface of the bag is clean.

After cleaning, the printed information on the filled bags is sharp and easily readable.

Global Super ES Idlers

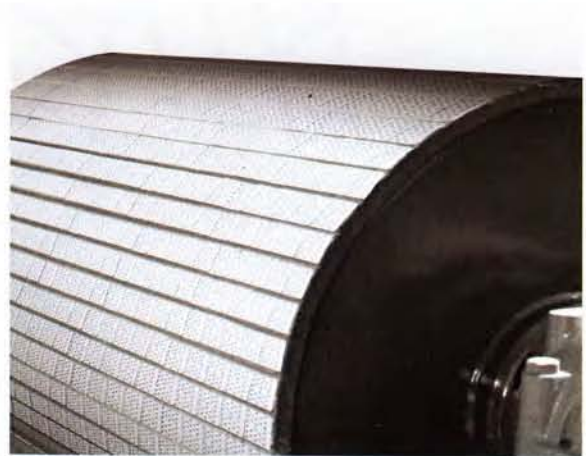


"Super ES Idlers are the ultimate choice in energy saving troughing idlers. While conventional troughing idlers use a single center roll, the Super ES Idlers use two center rolls in a fore/aft orientation.

This arrangement provides significant power savings by decreasing the indentation resistance and material flexure resistance of the conveyor.

Upgrading to Super ES Idlers has the capability to make a significant positive impact on your bottom line."

Global Ceramic Pulleys



We manufacture High Tension Conveyor Pulleys upto the belt width of 1800 mm. Pulleys are dynamically balanced, stress relieved with forged shafts. Global Pulleys will be lined with 20 mm dimple ceramic tiles for Drive Pulleys and Plain Ceramic Tiles for Non-Drive Pulleys. Tiles are molded on the pulley surface.

Global Floating Skirt System



This is a cost effective spillage management system. The floating skirt system is a vertical edge sealing system. In this system, sealing strips are mounted on the steel skirt board on independent, freely rotating link arms. The link allows the sealing strip to float on the belt reacting to changes in the belt line and maintaining sealing contact with the belt. The design also allows the sealing system to self-adjust using its own weight to compensate for wear.

It is available in a standard length of 1200 mm. Skirt rubber is available in standard, heat resistant and fire resistant grade



Global Conveyor Systems Pvt. Ltd.

Sales & Marketing : 1 & 2, Sona Apt, Gokhale Road (s), Dadar (w), Mumbai 400 028 India
Tel : 91-22-2421 0971, 2432 3006 • Fax : 91-22-2421 0973

E-mail : sales@globalconveyors.co.in, enquiry@globalconveyors.co.in • Website : www.globalconveyors.co.in

Factory : D3 / 31, Sancole Industrial Estate, P. O. Zuarinagar, Goa 403 726 India