



P r e s e n t s

Integrated Cost Effective solutions for Belt Conveyors



SUPERIOR

POLYCAT[®]*

**HIGH PERFORMANCE
POLYMER IDLER WITH COMPOSITE SHAFT**

Advantages Over Steel Rollers

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



Features of Polymer Idler

Tube Shell: HPPE material with surface roughness of 0.00022 and molecular weight of minimum 3.5 million grams/mol

Composite Shaft: Made of Adventex glass fibre and epoxy resin

Bearing: Seize resistance Ball-Bearing

Seals: Double Labyrinth Seals made of nylon 6 material

Rain Cap: Made Out Of Nitrile Rubber

Greasing: Life Sealed With Hi-Lithium Base Grease

Advantages Over Steel Rollers

Power Savings : Poly Cat rollers weigh 1/3rd as much as steel rollers. Hence, starting torque is much lower, resulting in 20% power savings.

Impact Resistance : Polymer can absorb more impact since it is more resilient than steel.

Anti-corrosion : Polymer rollers are resistant to salts, acids and alkalis and hence have a much longer life compared with steel rollers.

Antistatic Formulation : The polymer material is antistatic and hence absolutely free from sparking.

Self Cleaning : As the polymer material is resilient, negligible fines stick to the rollers. Hence, no roller cleaning and belt - centering is required.

Increased Belt Life : As friction between polymer and rubber is much lower than that compared between steel and rubber, belt wear is reduced, thus increasing belt life.



Application Fields

Chemical Industry : Fertilizer, Salt, Sugar, Pulp Paper, Acid and Alkaline.

General Industry : Coal Mining, Cement, Concrete, Limestone and Quarry.

Operating Conditions

Belt width : Up to 1800 mm
 Belt speed : Up to 4 met./sec
 Temperature : 0°C ~ + 100°C



Rollers ready for dispatch



Poly Cat conveyor systems



Limestone handling in cement plant

We also manufacture Rotary powered brush cleaners, Belt tracking system, Ceramic pulley lagging, Flexi-skirt, Spiral rollers and Mobile conveyor belt winders

catalogues on request

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