

KING ROLLER™

THE ENERGY SAVING, POLYMER ROLLER



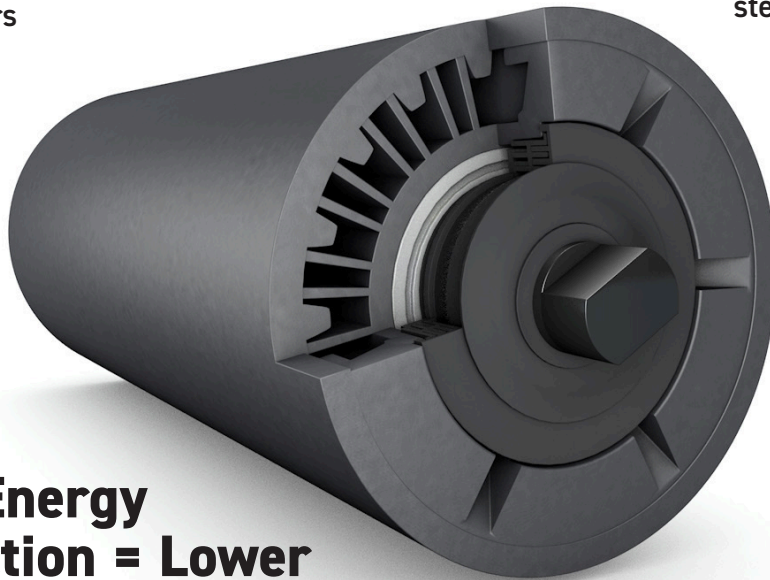
Up to 50% noise reduction compared to steel rollers

Irish Salt Mines recorded a 50% noise reduction in their tunnel conveyor after replacing steel return and trough rollers with SM King Rollers



Maximise Uptime, Reduce Maintenance

King Roller™'s self cleaning anti-static surface greatly reduces the risk of material build up the main cause of tracking problems, premature belt wear and failure of steel rollers.



Longer Life

King Roller's™ waterproof triple labyrinth seal, means King Roller™ is ideal for use in dusty, humid, alkaline & acidic environments, as it won't rust and moisture cannot reach its bearings



14% Energy Reduction = Lower Cost per Tonne

King Rollers are up to 60% lighter than steel rollers, reducing conveyor weight, belt tension and machine running costs*

*CASE STUDY: IRISH SALT MINES, NORTHERN IRELAND

APPLICATION: EXPORTING JETTY BELT, BELFAST LOUGH MOVING 500,000 TONNES OF ROCK SALT EACH YEAR

FINDINGS: After four years, Irish Salt Mines' Derek Moore (Mine Manager) reported no visible signs of wear on Smiley Monroe's King Rollers running and reported they had withstood storage and power washing which often has a detrimental effect on rollers. The HDPE frame makes **King Roller™** suitable for humid and corrosive environments while the triple labyrinth seal protects bearings from dust and moisture ingress. The self-cleaning low friction surface, greatly reduces carry back material built up on the roller face, the main cause of belt tracking problems, material spillage, premature wear and failure of steel rollers. **Irish Salt Mines reported a 14% cost reduction on their conveyor power consumption as well as a 50% noise reduction on their tunnel conveyor when they switched to King Roller™.**