

The background of the entire page is a photograph of a large-scale industrial conveyor system. The system consists of multiple long, parallel conveyor belts supported by metal structures, stretching across a deep, excavated area. In the background, there are large, dark, rocky hills or mountains under a clear blue sky with some light clouds. The overall scene is industrial and suggests a mining or quarrying operation.

CONVEYOR SYSTEM Operations, Maintenance & Installation Services



INTRODUCTION



Conveyor systems are the backbone of modern material handling industries. Efficient operation, proper installation, and regular maintenance are essential to ensure maximum productivity, safety, and equipment longevity.

We provide end-to-end solutions covering installation, commissioning, operation support, preventive maintenance, and emergency repairs.

INSTALLATION SERVICES

Scope of Installation

- Conveyor structure erection
- Idler and pulley alignment
- Belt installation (open or endless)
- Drive system installation (motor, gearbox)
- Electrical and control panel setup
- Safety systems installation

Installation Process

1. Site inspection & layout verification
2. Structure alignment
3. Pulley & idler fixing
4. Belt installation & splicing
5. Belt tensioning & tracking
6. Electrical integration
7. Trial run & commissioning



Benefits

- Accurate alignment reduces wear
- Smooth operation
- Increased belt life
- Lower energy consumption



OPERATION SERVICES



Operation Guidelines

- Maintain proper belt tension
- Avoid overloading
- Ensure uniform material feeding
- Monitor belt tracking
- Follow SOP for start/stop

Standard Operating Procedure (SOP)

Start-Up

- Inspect system
- Start empty conveyor
- Gradually load material

During Operation

- Monitor vibration, noise
- Check alignment
- Observe material flow

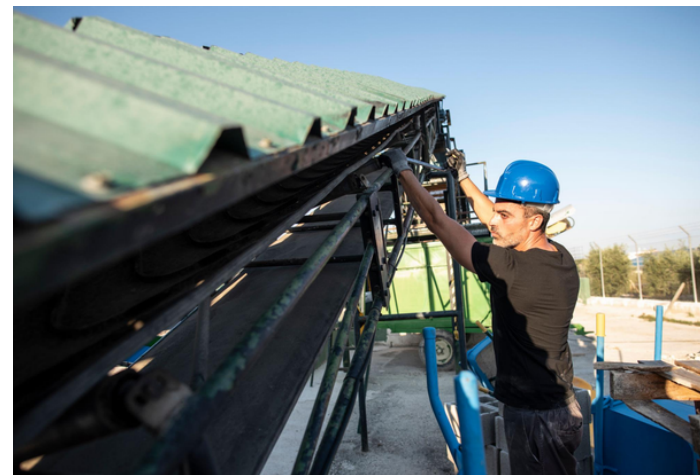
Shutdown

- Stop feeding
- Run empty
- Power off

Safety Systems

- Emergency stop switches
- Pull cord switches
- Belt sway switches
- Proper guarding

MAINTENANCE SERVICES



Types of Maintenance

Type	Description
Preventive	Scheduled inspections
Predictive	Sensor-based monitoring
Corrective	Repair after fault
Breakdown	Emergency repair



Maintenance Checklist

Daily

- Belt alignment
- Noise check
- Spillage check

Weekly

- Belt tension
- Pulley inspection
- Lubrication

Monthly

- Gearbox oil
- Motor condition
- Structure inspection

Common Problems & Solutions

Problem	Cause	Solution
Misalignment	Improper tracking	Adjust idlers
Slippage	Low tension	Increase tension
Wear	Poor maintenance	Regular inspection
Spillage	Loading issue	Install skirting

BELT SPLICING & REPAIR



Splicing Methods

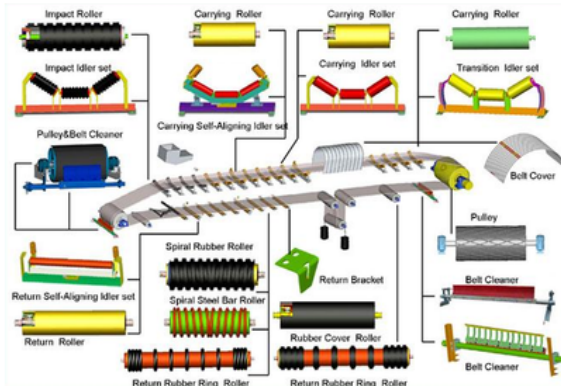
- Hot Vulcanizing
- Cold Vulcanizing
- Mechanical Fasteners

Repair Services

- Tear repair
- Joint correction
- Edge repair
- Pulley lagging repair



COMPONENTS COVERED



- Conveyor belts
- Idlers & rollers
- Pulleys
- Motors & gearboxes
- Belt cleaners
- Skirting systems
- Safety devices

APPLICATION INDUSTRIES



- Mining & Quarry
- Cement Industry
- Steel & Power
- Ports & Terminals
- Agriculture
- Warehousing

ADVANTAGES

- Increased equipment life
- Reduced downtime
- Improved safety
- Higher efficiency
- Cost savings

SERVICE PACKAGES

Basic

- Inspection
- Minor adjustments

Standard

- Preventive maintenance
- Component replacement

Premium

- Full maintenance
- Emergency support
- Optimization

Proper installation, operation, and maintenance ensure maximum conveyor performance, safety, and reliability. Partnering with experts guarantees long-term efficiency and cost savings.

