



TECHNO POWER
Electricals & Engineers

STONE CRUSHER CONTROL PANEL

Reliable Motor Control Solutions for
Crushing Plants





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ABOUT OUR COMPANY

We design and manufacture industrial electrical control panels for heavy-duty applications.

Our Expertise

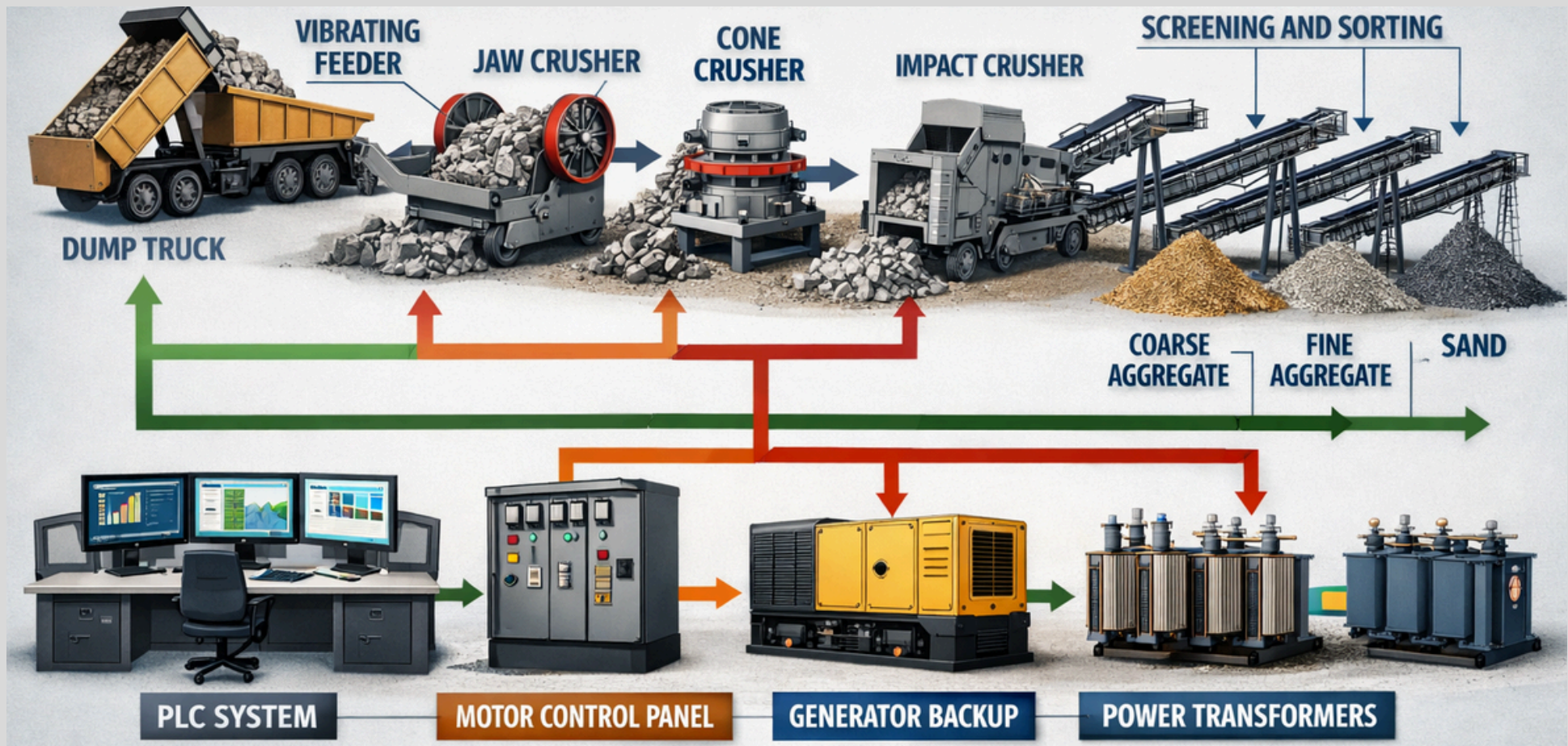
- ✓ **Crusher Plant Electrical Panels**
- ✓ **APFC Panels**
- ✓ **MCC Panels**
- ✓ **Industrial Control Panels**
- ✓ **Energy Efficient Electrical Solutions**

Why Clients Choose Us

- **Free Electricity Bill Analysis**
- **Customized design Electrical Panel**
- **Industrial-grade components**
- **Experienced electrical engineering team**
- **1 Year Warranty Support**



UNDERSTANDING STONE CRUSHER OPERATIONS





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THE REAL PROBLEM IN CRUSHER PLANTS

Many crusher plants face problems because of improper motor starting systems.

Common Problems

- ⚠ Very high starting current
- ⚠ Voltage drops in plant
- ⚠ Mechanical shock to shafts and couplings
- ⚠ Frequent motor tripping
- ⚠ Reduced motor life
- ⚠ Unstable crushing operation

These problems lead to

- ✗ Production loss
- ✗ High maintenance cost
- ✗ Motor damage



WHY TORQUE MATTERS

Crusher motors require high starting torque.

Reason:

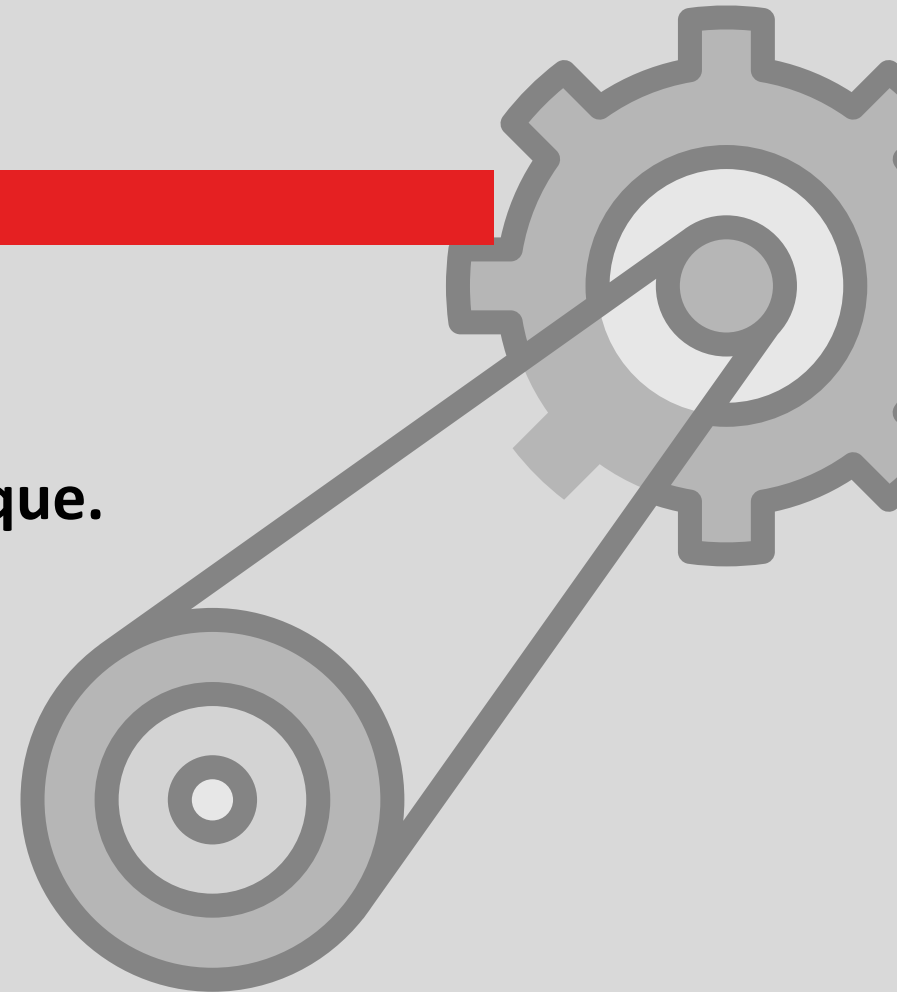
Stone crushers often start with stones already inside the chamber.

This creates:

- High inertia
- Heavy mechanical load

If torque is not sufficient:

Motor cannot start smoothly





SOLUTION: TORQUE STARTER PANEL

Torque Starter Panel (Auto Transformer Starter)

Designed for heavy load motors used in stone crusher plants.

Benefits:

- ✓ **High starting torque**
- ✓ **Reduced starting current**
- ✓ **Smooth motor acceleration**
- ✓ **Protection for mechanical parts**



HOW AUTO TRANSFORMER STARTER WORKS

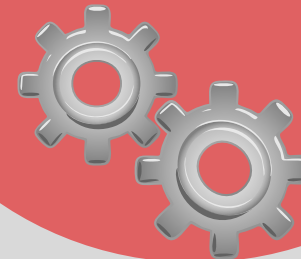
During motor startup:

During motor startup:

- 1 Reduced voltage is applied to motor**
- 2 Starting current reduces**
- 3 Motor gradually gains speed**
- 4 Full voltage is applied after acceleration**

Result:

**Smooth and controlled
motor starting.**





BENEFITS FOR CRUSHER PLANTS

Our Electrical Panels provides:

High Starting Torque

Allows motor to start even with heavy load

Reduced Mechanical Stress

Protects shafts and couplings

Reduced Inrush Current

Protects electrical system

Long Motor Life

Less overheating and damage

Voltage Stability

Prevents plant voltage dips

Reliable Crusher Operation



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APPLICATIONS

Our panels are widely used in

Stone crusher plants

Material crushing plants

Sand manufacturing plants

Mining industries



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WHY CHOOSE TECHNO POWER

Industry-focused solutions

Custom panel design

Proper motor protection

**Reliable
engineering
support**

High quality components

On-site installation support



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OUR PROCESS

Site Requirement Analysis

Electrical Load Calculation

Panel Design & Engineering

Manufacturing

Testing & Quality Check

Installation Support



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LOOKING TO IMPROVE CRUSHER PLANT PERFORMANCE?

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