

Conveyors

Application Overview

Conveyors in aggregate applications are essential for transporting material from one location to another within a plant. Since the material being transported can range from bulk material such as large rocks to smaller rocks, gravel or rock dust the application requirements can vary considerably. With this wide range of application requirements a product has to be capable of fitting multiple profiles while still offering superior performance and monitoring capabilities. The ease of access to these different profiles and monitoring capabilities within a harsh environment is key to increasing productivity and eliminating downtime.

Application Requirements

Operation

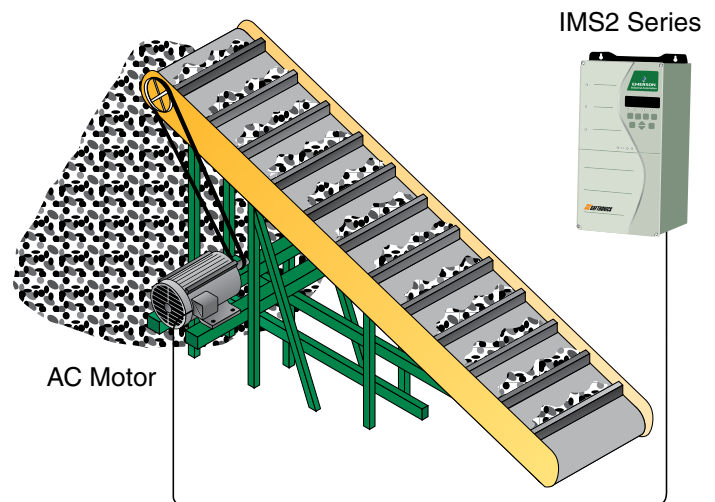
- Quick start-up capability
- Easy to adjust soft start and stop profiles
- Programmable auto reset
- Bypass Capable
- Optimization of electrical supply

Protection

- Metering and monitoring capabilities
- Customized system protection
- Easy to read displays
- Complete motor protection
- Advanced trouble shooting capabilities
- System protection even when bypassed

Rugged & Reliable

- Durable in harsh environments
- Capable of heavy duty operation
- Extend equipment life / reduce downtime



Control Techniques' Solutions

Stand alone and packaged Soft Starters (enclosures, fusing/circuit breakers and control options)

- Compact modular design allows for easy integration into existing systems or stand alone operation.
- Multiple starting profiles provides customer optimum performance out of equipment.
- Heavy duty rated product ensures smooth operation without nuisance tripping.
- Superior I/O provides multiple operating configurations and user friendly interface.
- Pre-engineered package solutions meet or exceed industry specific requirements.
- Customized solutions to cover all criteria.
- Fast delivery of stand alone & packaged solutions.



CONSIDER IT SOLVED™

Aggregate Conveyor Solutions

Control Techniques' Performance Advantages

Soft Starters

IMS2 (digital soft starters)

- Universal input voltage 208 to 690 VAC, up to 1574 amps, to 1300 hp at 460V
- Bypass terminals
- Programmable relay and analog outputs
- Constant current, current ramp or torque start
- Built in motor protection
- Dual motor sets
- 2 or 3 wire start stop control
- Local / Remote reset
- Flexible bus bar configuration



EMX3 (advanced digital soft starters)

- 208 - 575 VAC and 380 - 690 VAC, up to 1600 amps, to 1300 hp at 460V
- Adaptive acceleration and deceleration
- Integral bypass up to 220 amps
- "PowerThrough" emergency operation
- Serial & fieldbus communications
- 99 event date & time stamped logs
- Plain english feedback, optional remote keypad
- Multiple quick start menus
- Parameter cloning
- DC injection braking



CSX & CSXi (micro soft starters)

- Universal input voltage 208 to 460 VAC up to 200 amps, to 150 hp at 460V
- Compact design ideal for MCC applications
- Integral bypass contactor
- Simple set up and installation
- Serial communication capabilities

CSX, CSXi, IMS2 & EMX3 pre-engineered normal & heavy duty packaged soft starters (CSXi normal duty inset above).

World Class Products & Support

- Worldwide Application & Field Service Network
- 24/7 support line 1-800-893-2321

Our full line of Soft Starters



IMS2

EMX3

CSXi

CSX

