

Make a Smart Move Material Handling Solutions ABB Low Voltage Softstarters



The fast-paced material handling industry is all about movement: conveyors, stackers, loaders, hoppers, industrial trucks, and elevators merely scratch the surface. This moving equipment is prone to damaged shafts, bearings, motor mounts, couplings and belts due to high starting currents and starting torque.



To eliminate these issues, ABB's line of softstarters is perfect for the task. The ABB softstarter is engineered to address the common problems experienced in the material handling industry by

providing a smooth motor acceleration and deceleration.

Common material handling problems	ABB Softstarter solutions
Damaged product on conveyor	Smooth start and stop avoids product tipping and breaking
Damaged motor components	Reduced torque at startup avoids stress on motor bearings and shaft
Broken belts	Built-in undercurrent protection senses reduced current associated with broken belts
Nuisance tripping	Reduced startup currents avoid breakers tripping and fuses blowing

Material handling applications for softstarters

Processes	Equipment to look for
Storage Packaging Transportation Heavy equipment Cold Storage Sorting Paper Weighing Printing/labeling Airport Baggage Handling Postal Distribution Retail Distribution Pharmaceutical Tobacco	Chillers, refrigeration compressors, vibrating feeders & screens, bucket elevators, transfer pumps, booster pumps, feed & sump pumps, fans, dryers, conveyors, sorting/packing equipment, tunnel vent fans, blowers, air compressors, motors, presses, shredders, molding machinery, hydraulic power units, winches, cranes, weighing/lift stations, printers/screens, drives, stackers, loaders, hoppers, industrial trucks, elevators



ABB Softstarter families



Compact Range PSR 2-75 HP @ 480 V

- Fast, easy installation & setup
- Integrated bypass
- Easy adjustments
- Fieldbus connectable



Flexible Range PSS 10-200 HP @ 480 V

- Fast, easy installation & setup
- Operate with or without bypass
- Current limit option
- Fault LED & relay output



Advanced Range PST 20-900 HP @ 480 V

- Easy to program digital display
- Integrated bypass (300 HP and up)
- Electronic overload protection
- Torque Control®
- Fieldbus communications



For more information about ABB's softstarter products and accessories, consult our Softstarter catalog, available for ordering or download from our literature library at:

www.abb.us/lowvoltage

PSR, PSS, PST & Extreme Duty
Softstarters catalog
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