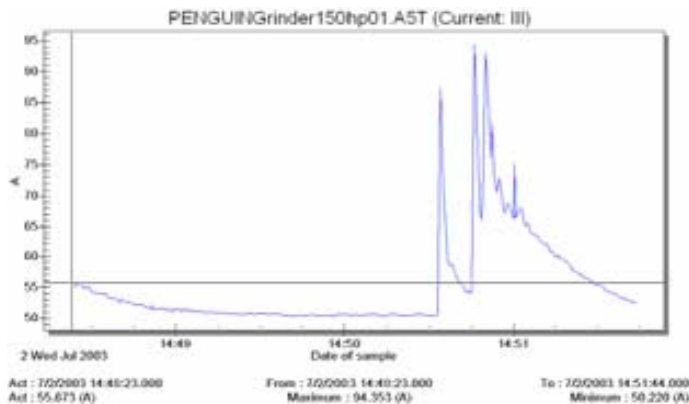


“The Intelligent Motor Controller for YOUR Grinder / Granulator equipment”

Save Energy Costs & Maintenance expenses on your AC Motor driven applications



Installation example:

- Operational kWh
 - 28% reduction
- Peak Soft Start DOL
 - 52% reduction
- Power Factor improved
 - 16% increase
- Return on Investment
 - Month #1
 - Lease plan
- Motor sizing (150hp/480v)

Grinder / Granulator Application Details:

- Granulator applications offer a significant off-load (idle operation) portion of their cycle time. Not uncommon to see over 70% off-load time within their cycle. It is this off-load time that Powerboss can be very effective in saving electrical consumption.
- The main grinding motors are always over-sized to address a mass grinding condition that in most cases is never required.
- Significant hours of operation (at minimum 20 x 6, usually 24 x 7)

Why Powerboss: (Main features to support this application)

- Ideal soft start application to reduce DOL motor startup.
 - Reduce Peak Demand energy charges
- Optimization mode
 - Reduce kWh operational costs in off-load cycle time & operational cycle peaks.
- Power factor will be improved at the motor. This will enhance the overall health of the facilities power.
- Auto-off mode
 - Turn off motor to increase savings when implemented with auto-start equipment to recognize material entry. (consult S4i for details)
- Maintenance / soft benefits
 - Easier on motor on startup
 - Heat reduction (every 10 degree's will double motor life)
 - No arcing (due to zero current at contact closure)
 - Virtually eliminate contact repair
 - Reduce starter repairs & associated maintenance.
- Low cost / easy to install solution. Rental & lease plans (Immediate ROI plans)