ELECTRICAL CONTROL SYSTEMS

DELUXE 40’ SHIPPING CONTAINER
- Main breaker and control power center panels
- Two lockable man doors
- Fully insulated walls
- Flooring with anti-static rubber matting
- Two heating/air conditioning units
- Lights, receptacles, and emergency lighting
- Fire extinguisher
- Two sets of stairs to grade
- Can accept up to seven starter panels and main breaker on one wall, and up to four starter panels plus main breaker panel on other wall

DELUXE 53’ SEMI VAN TRAILER
- Main breaker and control power center panels
- One lockable man door
- Fully insulated walls
- Flooring with anti-static rubber matting
- One heating/air conditioning unit
- Lights, receptacles, and emergency lighting
- Fire extinguisher
- One set of stairs to grade
- Can accept up to seven starter panels on one wall, and up to five starter panels plus main breaker panel on other wall
- Optional 8’x6’ deluxe pop-up operator control module mounted in the front end of trailer

ELECTRICAL ROOM CONFIGURATION
- PLC starter control panel with inputs/outputs to starter panels
- Main breaker switchboard panel with power distribution for starter panels
- Reduced voltage soft starters for crusher motors
- Variable frequency drives for vibrating grizzly feeders and pan feeders
- Full Voltage Starters for motors 60HP and under
- Input cards for switches, scales, and alarm panels
- Integrated control power center with single phase transformer
- Panels are mounted, wired, and tested in container/trailer before shipping
- Starter panels are designed, manufactured, and certified UL508A by Telsmith’s electrical team
CONTROL CABIN
- 8’x8’ operator’s control cab mounted on top of 40’ container with stairs to grade
- 10’x10’ operator’s control house on control tower next to primary crusher
- Green tinted safety glass on all four sides with window shades
- Sound suppression all walls, floor and ceiling
- All steel floor (wire mesh protector on window facing grizzly feeder)
- External receptacles for lights (lights not included)
- One outlet per wall, LED ceiling light, and bolt in tables

BULK CABLE
Option to include motor and control cabling (spools of cable not cut to length) from container starter panels to junction boxes, field motors, and devices

CONTROL SYSTEM EXCLUSIONS
- Excludes power wiring from customer supplied transformer or generator
- Sizing of transformers from incoming utilities or generators

INTEGRATED PLANT & CRUSHER AUTOMATION

AUTOMATION
- Dual 18.5” color touchscreen panels
- Plant interlocking
- Single button plant auto start/stop sequence
- Plant data logging and historical trending
- Remote cellular support connection
- Surge bin level monitoring and alarming
- Remote crusher setting adjustment and tracking
- Automatic liner calibration, liner wear tracking and compensation
- Crusher overload protection
- Parameter history, alarm logging, and PLC communication
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