

# ELECTRICAL EQUIPMENT

CONTAINERS ■ TRAILERS ■ CONTROLS



CRUSHERS SCREENS FEEDERS PLANTS



**TELSMITH**

an Astec Industries Co.

# 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



## CONTROL SYSTEM EXCLUSIONS

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

## BULK CABLE

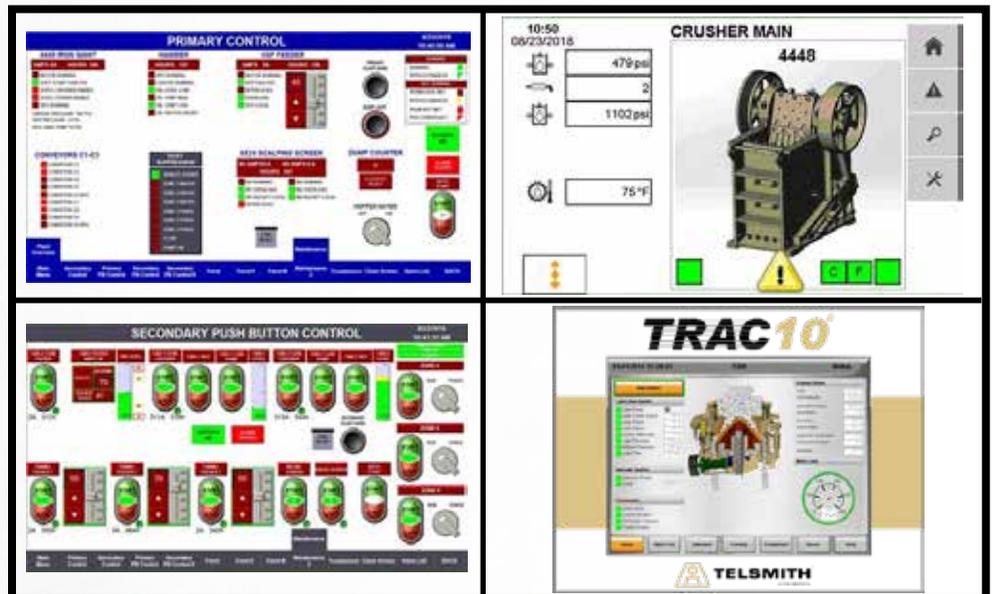
Option to include motor and control cabling (spools of cable not cut to length) from container starter panels to junction boxes, field motors, and devices



# 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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