

TURNKEY PRODUCTION FACILITIES

ENGINEERING & DESIGN

Dantco has designed layouts for mixers and dispersers considering the structural characteristics of the plant, has made structural modifications to suit the new and existing equipment with emphasis on product flow, has designed working platforms to increase production efficiency, has designed, specified and selected piping systems including valves, filters, pumps, motors, flow meters, instrumentation for product flow and hot oil heating, has designed and selected motor controls, including starters, variable frequency inverters, push button stations, remote speed controls, hydraulic, pneumatic and thermo controls as applied to mixers, dispersers, rotor/stator homogenizers, and ribbon blenders. All plant layout, piping, platforms, fumes and dust collection, and electrical controls were designed and selected within the applicable environmental constraints.

INSTALLATION AND INTEGRATION

Dantco has installed and integrated various mixers and dispersers systems, used and new, including structural modifications, rigging and set-in-place, hydraulics and pneumatic lines, water lines, hot oil lines, electrical connections and hook-up. Dantco personnel are well adept to do plumbing, millwright, iron works and erection, demolition and masonry, and electrical.

VALIDATION

Dantco has conducted in-house and at customer facilities acceptance tests of mixers, dispersers, planetary mixers, extruders, ribbon blenders, mixing tanks, storage tanks, jacketed tanks, conveyors, tank presses, heating/cooling, dust prevention and collection, can crushers, bag bailers, using calibrated equipment and instrumentation to assure that the equipment met or exceeded the designed parameters.

Dantco is also able to conduct system tests to assure that the production line performs to the designed specifications.

Dantco test conductors and technicians are continuously instructed to keep-up with the state-of-the-art.



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