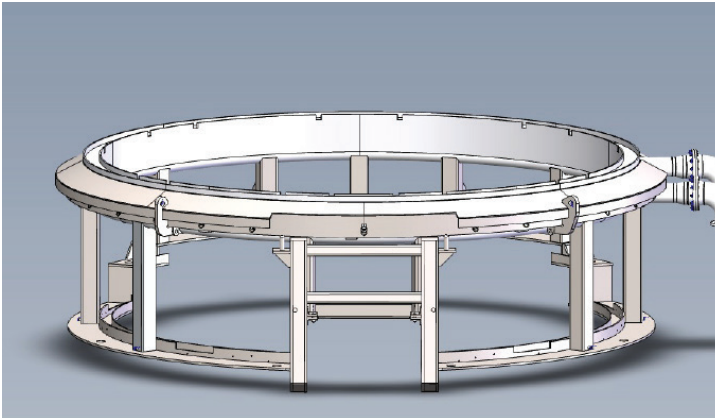




SUPERIOR

MACHINE CO OF SC, INC



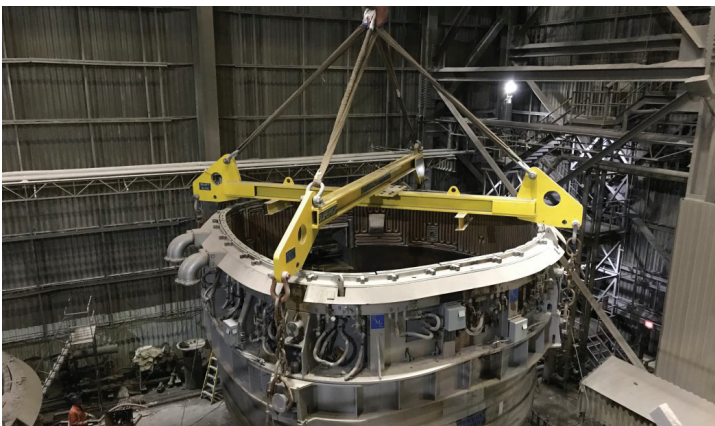
DESIGN

Superior Engineering utilizes proprietary, state of the art 3D modeling techniques that interface with Finite Element Analysis (FEA) software. These tools allow Superior Engineering to predict stress and deformation characteristics of melt shop and caster components under combined mechanical and thermal loads. In-house, thermodynamic and fluid-analysis software is used to optimize flow and heat transfer characteristics in our water-cooled equipment and thermal shielding components.



BUILD

Superior's Manufacturing Division provides basic custom fabrication, small-quantity machining and custom machine building. Superior's core fabrication capability is in joining heavy plate-steel and pipe. The company's certified welders perform MIG (GMAW), TIG (GTAW) and special Sub Arc welding.



INSTALL

Typical offerings of our Field Services Division include installation, repair and replacement of EAF shells, gantry and tilting structures, water cooled ductwork and off-gas systems, repairs of furnace shells, water-cooled panels, ladles, bail arms, electrode holder mechanisms, multi-strand casters, precision alignments, and slewing bearing exchanges for gantries and ladle turrets.

Check out our Recently Updated and Enhanced Website at
www.smco.net or Call Us Today at **(843) 468-9200**