TRI-TECH
Built On Integrity

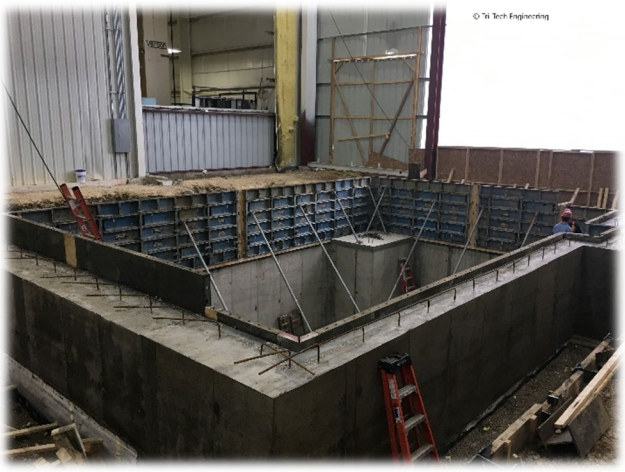
1785 S. Metro Parkway
Centerville, OH 45459

"Established in 1977"

Select Industries Inc. Structural Addition

Dayton, OH

Construction Completion: 2019
Size: Multiple locations
Tri-Tech Services: Structural Engineering



Project Description

Select Industries Inc. has supplied production metal stampings, components, parts, and welded assemblies for many industries throughout the world for over fifty years. In Dayton, Ohio, Select Industries has grown from a small shop located in a local business' basement to outgrowing numerous plants. Select Industries has embedded itself into the local life and economy, employing hundreds and being the first entity to join the Dayton area's "Tool Town," 35-acre brownfield industrial park near downtown Dayton.

Select Industries planned to expand and add a facility (the first of many planned additions) to house a new press and subsequent machinery. To ensure success of the press's installation and usage, Tri-Tech's Structural Engineering (SE) team was brought onto the building-expansion project to provide design-build services for the installation of the press, the foundation beneath it, and installing steel mezzanines and platforms, conveyor, and the concrete and steel going around and through the conveyor tunnels.

To house the press, the project's construction company (Ferguson Construction) was supplying a pre-engineering steel building (PEMB). This meant Tri-Tech's SE team developed their designs for the press to fit within the PEMB. Knowing this was one part of a multi-phase expansion, Tri-Tech's designs anticipated and prepared for installation of future presses.

The presses Select Industries uses range in weight from 100 tons to 1,800 tons. So, Tri-Tech considered the foundation and soil specifications by working closely with the soil engineering. Tri-Tech worked closely with the soil engineering and construction management company to ensure clear, precise communication. Tri-Tech's designs and commitment to clarity not only helped ensure the successful installation of the press but also the installation of future presses as the property-expansion project continued after completion of this project.