

Jaw Crusher Support Stand Design for Metal Recycling Facility

Description

Industry: Metal Recycling | **Service:** Structural & Mechanical Engineering

The Challenge

A metal recycling plant needed a support stand designed for a new jaw crusher on a very compressed timeline. The urgency was compounded by the fact that complete dimensional and load data from the equipment supplier were not available when the design needed to begin. Waiting for full data before starting would have caused unacceptable delays to the project schedule.

The Solution

Rather than waiting for complete information, DSE applied conservative assumptions drawn from industry experience to populate the unknown dimensional constraints and load data. This allowed the structural design process to proceed without delay while the actual equipment data was being obtained.

DSE collaborated closely with field personnel and the crusher equipment supplier to obtain the correct specifications as they became available. Where the actual data differed from the initial conservative assumptions, revisions were incorporated promptly. The iterative approach of starting conservatively and refining as data arrived allowed the design to keep pace with the procurement and fabrication schedule.

Result

The jaw crusher support stand was delivered within the required timeframe and met the quality standards required for the application. The project demonstrated that urgent structural design timelines can be met through sound engineering judgment and close collaboration with suppliers and field teams without sacrificing structural integrity.

Contact DSE to discuss structural engineering for industrial equipment support and installation projects.

Category

1. Blog
2. Structural & Mechanical Engineering

Date Created

April 20, 2026

Author

marcdossantos

default watermark