

Hydraulic Press Frame

Aim	Methodology	Results
<ul style="list-style-type: none">• Increase the hydraulic press capacity from 20 tons to 40 tons by redesigning and reinforcing the frame.	<ul style="list-style-type: none">• Utilized SolidWorks to identify critical stress points and determine reinforcement locations.• CNC Plasma-cut metal sheets and welded them to construct the upgraded frame.	<ul style="list-style-type: none">• Successfully doubled the press’s capacity from 20 tons to 40 tons through strategic design improvements and robust fabrication.

