

Project Title: [Adjustable Height Modular Welding Table](#)

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Area: [Mechanical Engineering](#)

Sponsor: [Triton Metal Products](#)

Triton Metal Products is an industry leading metal fabrication company out of Hamilton, Indiana. Welding is a large part of Triton's success in metal fabrication and as part of this success, welding tables are crucial for reliable production of parts. Triton's current welding table inventory includes an Acorn welding table, a BuildPro welding table, and a Bluco welding table. The current array of welding tables are fixed heights and are not modular. Triton wants a new welding table that is to be height adjustable, modular, and durable. The weld table will experience a maximum, unevenly distributed load of 2000 lb. and will have a safety factor of 2 for the load rating.