

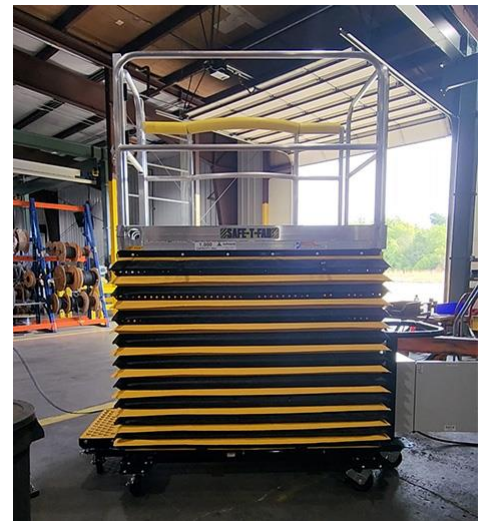
# Contoured Work Platform For Forging Process

## The Challenge:

This project called for a unique work platform that would help with a forging process. The wanted a work platform that would not take up a lot of space in their work cell and allow for two workers to be on the platform. There are weight restriction requirements because the lift would be positioned on an elevated working surface. In addition, they had other specifics to the design that included a specially configured platform and portability to achieve closer access to the working part.



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## Growth & Impact



Custom  
Work  
Platform



Compact for  
work cell



Forging Process  
Improvement

# Contoured Work Platform For Forging Process

## The Solution:

Starting with the standard design of our Series 35 scissor lift, and then adding customized features, we delivered an application-specific lift that met the requirements of this unique project.

The platform was designed to allow for two workers to be on the platform and included a depressed contour that fits the shape of the customer's part to allow for closer access. To help in weight savings per the requirement, the platform and handrails are constructed out of aluminum.

The platform includes pinned, removeable handrails with a self-closing gate. The handrail adjacent to the part also included a depression recess. This depressed rail followed the contour of the part and included a foam padding to cushion the worker against the part.

The customer was concerned about forging objects and debris with their application, so we recommended a mechanical stacking chain lift versus hydraulic actuation, so there would be no risk of leaks or spills from the oil. There was also a concern the work platform might clip a piece of hardware while it raises and lowers, so we provided a safety sensing edge to protect the part and disable the lift should the sensing edge encounter the part.

The lift is self-contained with the onboard controller mounted to the transport base. The lift is portable and includes 8-swivel wheel phenolic casters. 8 wheels to help disperse the weight footprint per wheel. Casters include a swivel lock and wheel brakes.

Incorporated into the base frame is an anti-slip step to access the platform, while on the opposite end is a bolt on push handle. An accoring skirt was also included to surround the base frame and scissor legs.

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## The Benefits:

Autoquip specializes in custom design lifts built for applications. Our dealer brought us this project because of these capabilities and knew the customer would receive the optimal solution to meet their demands.

