

Company Name: Stark Manufacturing
Case Study #1 AC Routing for Military Vehicle Application

Project description:

At Stark Manufacturing, we have the engineering experience and expertise to provide customers with design assistance for all their flow application needs. The engineering project highlighted here was a collaborative effort amongst both our team and our customer’s engineering groups. We were tasked with retrofitting an existing military vehicle with A\C lines. The lines were required to meet the designated connection points without interfering with the existing vehicle components, as many of the components had been in production for some time and could not be modified without great expense. Stark’s engineering team developed the required bend geometry to connect the end points without trickle down design changes to the vehicle.

Our engineering team has a wealth of flow application experience, which allows us to respond quickly when customers require custom designs. We were able to develop and verify the design of this product and begin production within the customer specified time frame. As a result of the quality and speed of our work on this design project, we have been able to expand our relationship with this customer and provide engineering, prototyping, and development assistance for several other projects. For additional information about this flow solution product development project, [contact](#) us directly.

Project Name & Description	AC Routing for Military Vehicle Application
Equipment Used to Manufacture Assembly	Primary CNC Benders Crimp Machine Induction and Torch Brazers CNC Mills CNC Lathes
Material Used	Aluminum tubing Copper tubing Steel Tubing Refrigerant hose Aluminum extrusion Abrasive and heat resistant sleeving
Secondary Processing	ASTM B841 Zinc-Nickel Plating
Industry for Use	Military Vehicle
In Process Testing/Inspection Performed	CMM Equipment

	Romer Arm Custom Check Fixtures Helium Sniffing Leak Detector
Volume	100,000 EAU
Standards Met	IMACA 305 ISO 9001 TS 16949