

Extra Wide Dual Cylinder Scissor Lift For Debris Impact Testing



The Challenge

The Debris Impact Facility at Texas Tech University performs debris impact tests on storms shelters, shelter components, and building materials to evaluate their ability to resist various types of projectiles propelled at different wind speeds. The testing facility uses a pneumatic cannon mounted to a scissor lift to travel 72" vertically and move from side to side to line up with the target. However, because of the side loading, movement and shifting of the application, their current lift created deflection causing inaccuracy for the launched projectiles. They contacted Autoquip for a lifting solution that could withstand the rigorous demands of the debris testing.

The Autoquip Solution

Autoquip's engineers designed a Tork lift T1-72-040 with extra wide dual cylinder to provide the 72" of travel & side-to-side stability necessary for this application.

The Solution Benefits

Autoquip was able to review the application requirements and recommend a more durable lift with extra wide hydraulic cylinders for optimal guidance and stability under severe side load conditions.