



## Workplace Safety Consultation – Ergonomics best-practices

### Motorized cart used to transport computer mainframes up a ramped floor

Use of a motorized cart or “tug” has eliminated the unnecessary risks associated with transporting computer mainframes to a raised-floor testing lab. The tug minimizes the force requirements necessary to transport mainframes up a 15-degree ramp and allows for better maneuverability and control of units that can weigh more than 1,000 pounds. Prior to the use of the tug, employees would manually push mainframe units up the ramp. The task required multiple employees. The use of the tug allows a single employee to maneuver a mainframe up and into the room.



The motorized tug has eliminated the risk of overexertion injuries and the potential for serious pinching/crushing injuries to the hands and other parts of the body while trying to maintain control of the units as they are transported up the ramp.



Customized hitches were designed to attach the tug to the various models of mainframe units.