

Mobile tool balancer

Reduces grip force and lifting

Description

A school district in Washington State wanted to provide a tool balancer to their shop mechanics for heavy tools, such as the big impact wrench they use to work on school bus wheels. They needed something that was mobile, but the only commercially-produced mobile balancer they knew of was no longer manufactured. Instead, they purchased a stand-alone tool balancer and their mechanic attached it to a cart to make it mobile. The tool balancer makes the heavy tools seem virtually weightless and the cart reduces the amount of lifting and carrying of the tools.



The tool balancer mounted on an arm attached to the cart. The gas cylinders and other materials on the cart act as a counterweight to the heavy tools, so the cart doesn't tip over.

[e-mail an L&I ergonomist](mailto:ergonomics@LNI.wa.gov)
(ergonomics@LNI.wa.gov)

