

Mobile Build Repair Cart with Versatile Torque Application

A custom-engineered mobile cart enhances precision and mobility, offering extended reach and torque application across multiple work locations, reducing operator effort and increasing efficiency.

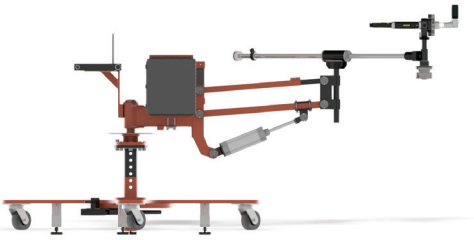


Watch the Mobile
Build Repair Cart
in Action ➤



► CASE STUDY

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Challenge

Access to joints and fasteners is often restricted by line setups, processes, and safety limitations, making assembly and repair tasks less efficient..

Solution

- **Mobility:** The cart's integrated hitch allows it to be towed or moved manually to various locations.
- **Extended Reach:** The 12-foot reach and 300 Nm torque capacity make it ideal for accessing distant fasteners.
- **Tool Versatility:** Quick-change tool holders and an integral clutch provide torque reaction in all directions, stabilizing tools for accurate operations.
- **Digital Integration:** Includes a PC tray to hold software, giving operators easy access to digital tools.
- **Stable Operation:** Locking cylinders and cylinder-actuated feet secure the cart during torque applications.
- **Optional Encoders:** Encoders add precise positional awareness and allow automated torque adjustments.
- **Fixed Location Setup:** The cart can be configured for fixed locations with overhead suspension.

Outcomes

The Mobile Build/Repair Cart with Versatile Torque Application from NMI Innovations has delivered significant improvements in the following areas:

- **Mobility & Versatility:** Easily transported across workstations, increasing flexibility.
- **Precision & Control:** Nexen clutch and encoders enable precise torque application.
- **Efficiency:** Quick-change tool holders reduce downtime and streamline workflow.
- **Stability:** Locking mechanisms prevent movement, ensuring safe and controlled operations.

Nothing is more critical than your facility's safety and efficiency. NMI collaborates with our clients to provide custom-engineered, ergonomic equipment that seamlessly fits into existing workflows. Our commitment to innovation and user-centric design has led to hundreds of assembly and handling solutions, all purpose-built for today's industrial workspace.



CONTACT US TODAY TO GET STARTED ON YOUR CUSTOM SOLUTION.