

Automotive motor components are assembled using a small nutrunner.

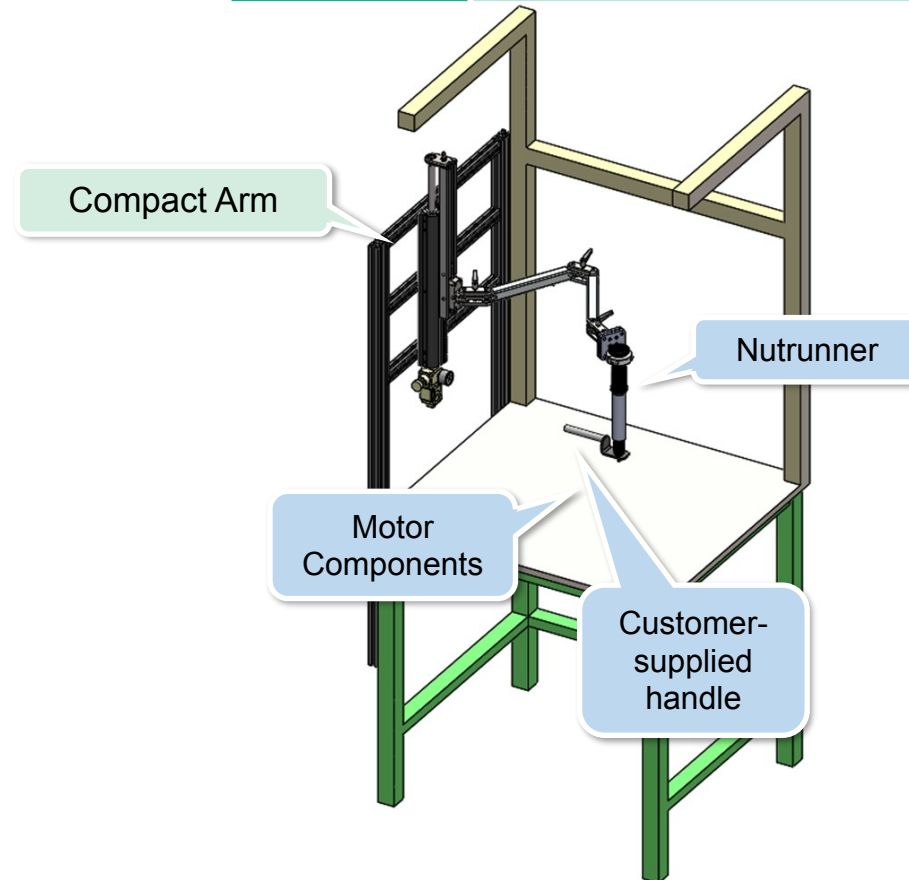
Before

A nutrunner is used for screw tightening torque control. Previously, a spring balancer was used, but the high reaction force during tightening caused strain on the wrist and issues with angled screw insertion.

After

Vertical operation, aided by the compact arm, reduces screw insertion errors. Eliminating the need to repeatedly raise and lower the shoulders has also improved work efficiency. A custom handle, provided by the customer, reduces reaction force and wrist strain.

Axis Configuration	CAW-L-300
Attachment	Customer-supplied jig



Please note: Depending on the torque setting, the arm may not be able to counteract all reaction forces.

Point

Reduced screw insertion errors /
Improved work efficiency

Workpiece Weight

3kg

Operating Frequency

Dozens of cycles/day