

Screws are tightened using an electric screwdriver in the automotive component assembly process.

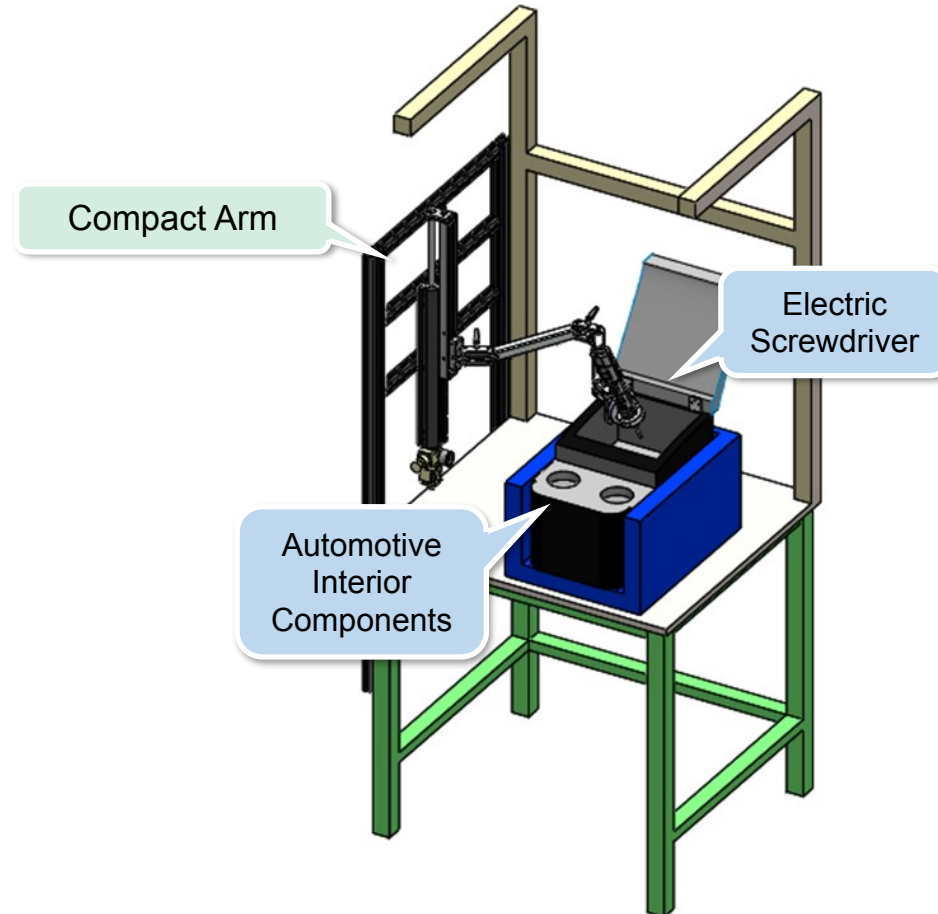
Before

Due to operator changes, screw tightening skills vary. With only spring balancer assistance, angled screw insertion and inconsistent work times were issues.

After

Vertical operation is now possible, significantly reducing angled screw insertion and improving quality. Any operator can perform the task consistently. The use of a balancer cylinder also allows for stopping at any point, leading to faster overall cycle times.

Axis Configuration	CAW-L-300
Attachment	D40



Workpiece
Weight

2kg

Operating
Frequency

Several hundred cycles/day

Point

Improved to allow any operator to perform the task