

Before

After

Arm hurt

No aching arm

Backache by working in awkward position

Access from bottom direction

Assembly work in safe position

Moving to other process with the cart

Work weight 15kg (Nut Runners)

Frequency 10 times/day

Arm  $\phi 80$  + Scara

Attachment Nut runner



Point

Moved by trolley

Prevent backache

Approach from bottom