

Case 30

Submersible pump cleaning work

Machinery and Equipment

Before

Needle scaler vibration is large, requiring a changeover in half a day

Fatigue is great due to the weight of the needle scaler



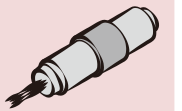
After

Axis Configuration

Low Payload Model (5 kg spec)

Tool

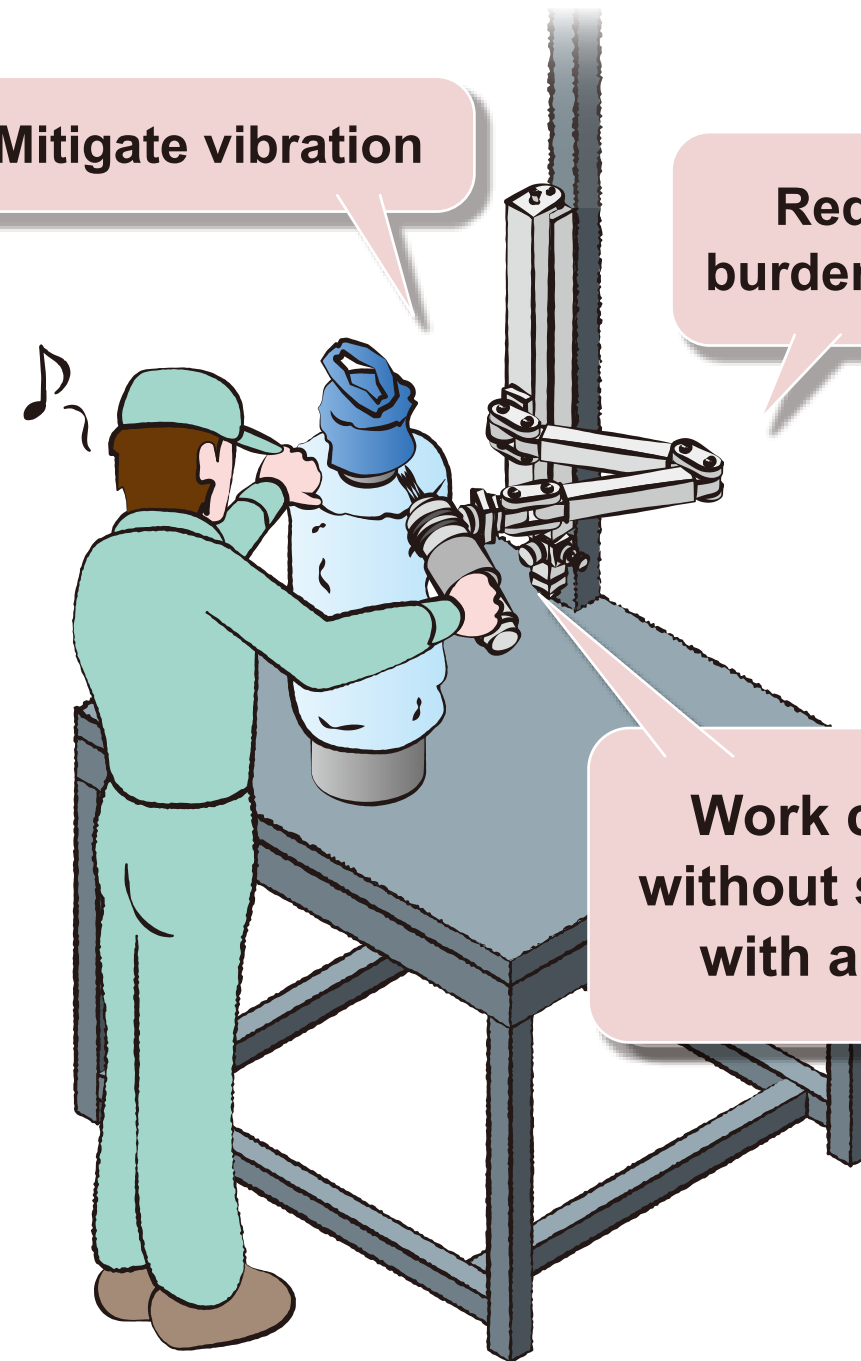
Needle Scaler



Mitigate vibration

Reduce the burden of weight

Work can be done without slowing down with a rotating jig



Workpiece Weight 2 kg

Frequency of Use 8 hours/day

Point

Vibration Suppression

Free Motion

Work environment improvement