

MULTI TORQUE TIGHTENING WORKSTATION

Activity area: Industrial Equipment Supplier



Context

To tighten M6 to M12 screws at various torques from 38,4 to 210Nm.

Customer needs

To be able to completely assemble the part with vertical and horizontal tightening position.

To have the possibility to print a report label at the end of the tightening operation. To be able to control the tightening controller through a Manufacturing Executing System subsequently.

DOGA solution

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Stanley E55LA26-221 tightening unit & QB Advance controller.

DOGA BA500R torque reaction arms (working area 2meters).

Report label printing management by GK420 printer communicating by Open Protocol with the controller.

Job call through barcodes and Socket tray management (slave mode) through PLC (Programmable Logic Controller).

Benefits



Quality



Ergonomics

- ▶ Guarantee of the correct number of screw connection to the expected torque
- ▶ Workstation ergonomics improvement by replacing torque wrench