



KL-TCG integrate Example- Dish Dryer Panel assembly application



L202208

Equipment needed to assemble the product

1. KL-TCG
2. CG tools
3. Screw Feeder
4. Robotic arm



KL-TCG



SKT-CG



Robotic arm



Screw feeder



Product fastening program setting and signal requirement

1 Job : 3 Sequence

Screws size and Quantity:

S1: M4*7(4pcs)

S2: M4*8(4pcs)

S3: M4*12(8pcs)

- KL-TCG/CG tools

Signals used:

1. External input start signal
2. Output OK signal

- Screw Feeder

Signals used:

1. screw in place signal

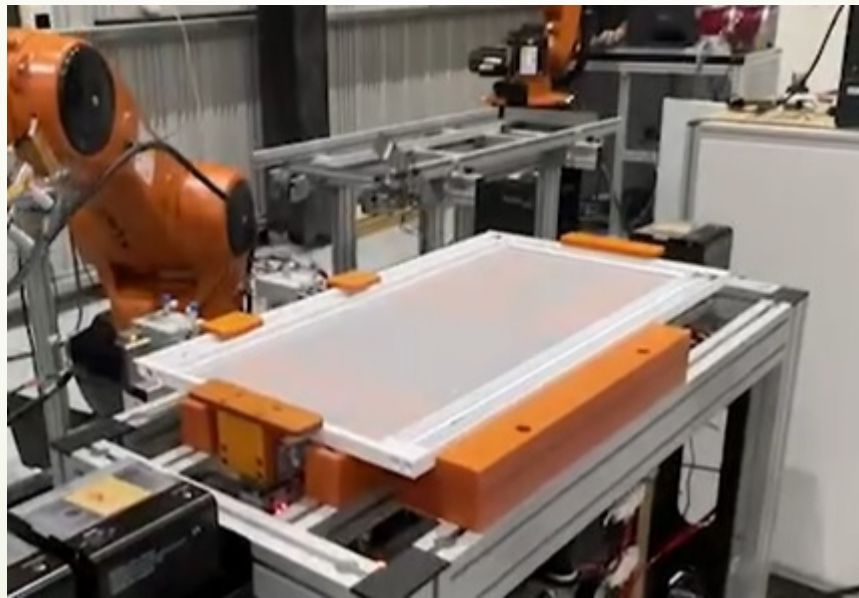


Assembly process

1. Place the product panel sidebar in the fastening jig.
2. After the product panel sidebar is placed, it is going to screw fastening by the CGS30 screwdriver.
3. When the arm goes to take the screws from the screw feeder, it will first judge whether there is a screw on the screw feeder (judged by the signal of screw in place)
4. After screw sucking, the screwdriver is going to perform next fastening.
5. After receiving the OK signal as complete fastening, repeat the action of screw obtained, until the job is completed.

Assembly process

1. Place the product panel sidebar in the fastening jig.



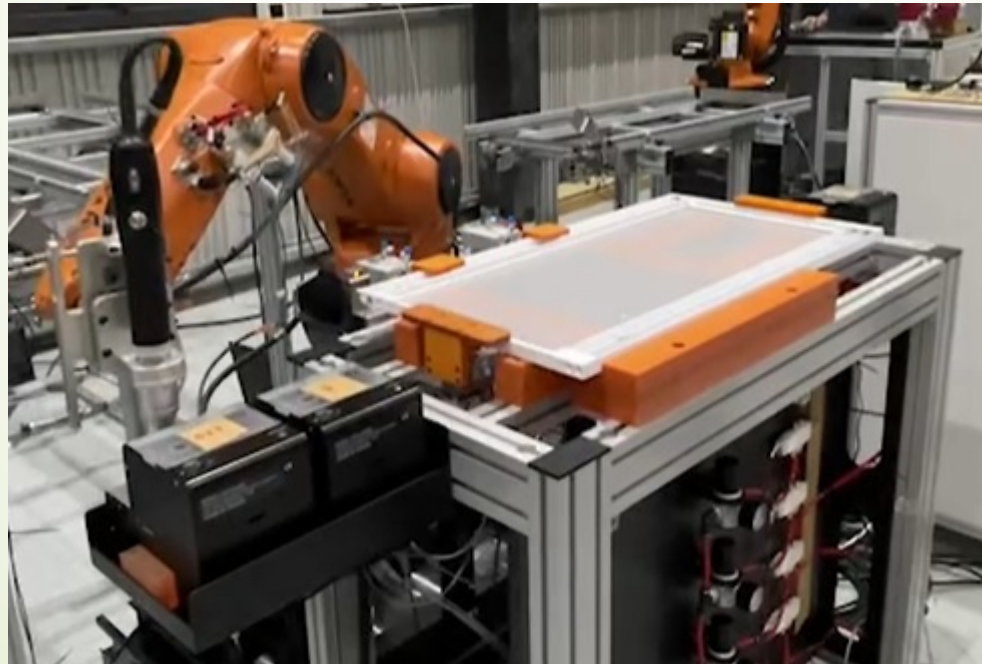
Assembly process

2. After the product panel sidebar is placed, it is going to screw fastening by the CGS30 screwdriver.



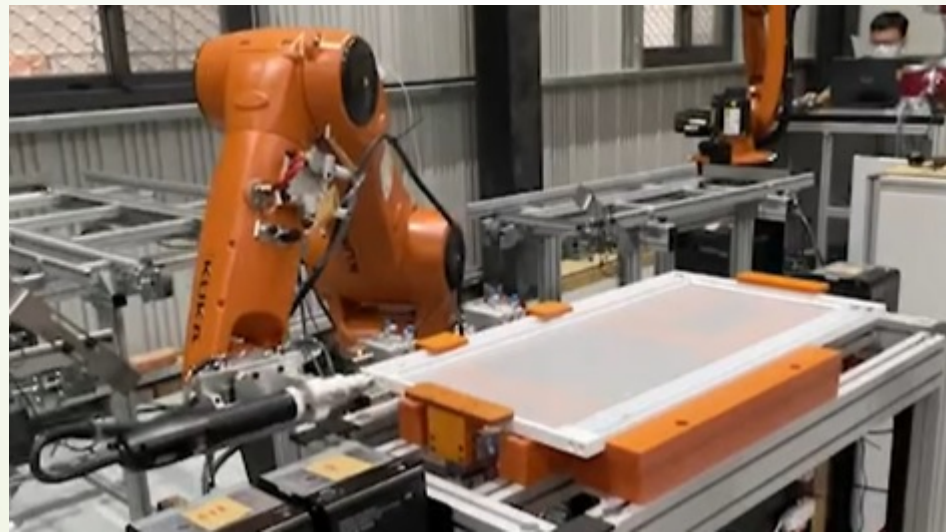
Assembly process

3. When the arm goes to take the screws from the screw feeder, it will first judge whether there is a screw on the screw feeder (Judged by the signal of screw in place)



Assembly process

4. After screw sucking, the screwdriver is going to perform next fastening.



Assembly process

5. After receiving the OK signal as complete fastening, repeat the action of screw obtained, until the job is completed.

For more information, please refer the assembly video link as below:

1. [Assembly 1 – YouTube](#)
2. [Assembly 2 - YouTube](#)

