

# INNOVATIVE COBOT SOLUTION HANDLES CNC TASKS AND LIBERATES RESOURCES



Elektro-Isola A/S manufactures items that are part of a fuse in connection with the electricity transport from wind turbines among other things, and the item is made of a glass-based material.

The repeated work of feeding items in and out of the CNC equipment has so far seized the operators' valuable time.

Previously, Elektro-Isola could produce 480 items in 13 shifts.

The automation solution that Technicon has provided has speeded up the process, reduced the number of shifts to just 5 and thus increased the load on the CNC equipment.

This allows operators to make better use of time and handle other tasks than just waiting for the individual item to be completed.

**From Passive Waiting to**

**Increased Productivity.**

**Elektro-Isola A/S, Vejle**

*“ It works really well and the result is far better than we dared to hope for. And we have tried a lot of things. “*

Elektro-Isola A/S

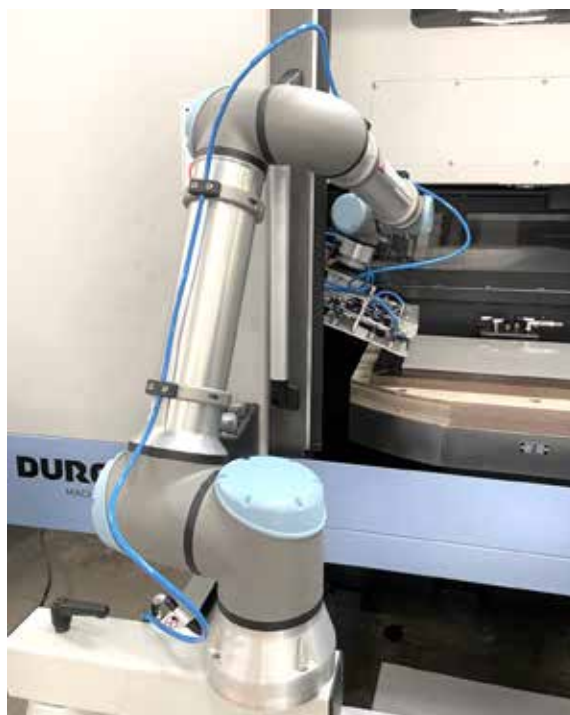


## INCREASED LOADING ON THE MACHINE PARK

Technicon has helped with upskilling in programming and handling of the UR cobot. Thus, Elektro-Isola can use the modular table solution for more tasks than “just” feeding as the need arises.

### THE SOLUTION

The solution consists of a Technicon modular table with mounted UR10e cobot from Universal Robots as well as a Robotiq Hand-e-gripper and vision camera. The solution ensures stable and efficient input and output of CNC parts. The cobot handles it automatically, and after the individual item has been finished, it is rotated and blown clean before the finished item is finally placed on pallets. The UR10e solution is also responsible for the final palletizing task.



### THE BENEFITS

- Employees do not have to stand at a lathe all day long, everyday dust nuisance has been minimized and the permanent noise from a manually operated blow gun is gone.
- The collaborative solution is space-saving, so that the production area is not seized, but instead can be easily used in everyday life.
- The modular table solution is easy to move around and reprogram as the tasks change
- Safety is top notch: a built-in SICK sensor ensures that the cobot stops if an employee gets too close