



Case Study

Design and Development of workstation

Overview

A medical device company approached Caragh Precision to review and re-engineer a series of processes with a view to consolidating the processes, improving the ergonomics, reducing waste in terms of yield and time using lean principles & utilising Design for manufacture (DFM).

Approach

Our design engineers spent some time observing the operators using the existing equipment and speaking with them about what difficulties they were experiencing and what things they found worked well. The user needs were then defined and a design proposal was created using 3D modeling. The design consolidated 3 pieces of equipment into a single workstation and by way of vision systems improved the inspection stage.

Outcome

By implementing the system the client was able to eliminate one operator and waste was reduced by integrating the equipment into a single workstation rather than having individual workstations.

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