

Opportunity 5

LA31 - Flexible Lean & Agile Automation of Motor Sub-Assemblies

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LA31 Linear Actuators



The LA31 is a compact, quiet and powerful actuator designed for a variety of applications in the MEDLINE® & CARELINE® segment, such as hospital beds, treatment couches and nursing home beds.

The standard LA31 actuator features known parts such as piston rod eye with slot, and comes in different variations with e.g. fast motor and hall positioning. The LA31 actuator has exchangeable cables and is ideal in combination with OpenBus™ control boxes.

The LA31 actuator has an ingress protection of IPX6 and is available in version with up to 6,000 N in push and 4,000 N in pull

Main application areas for the LA31



Nursing Home Beds



Treatment Couches



Hospital Beds

LA31 Motor Sub-Assemblies



Main processes:

1. Assembly of worm wheel on motor shaft
2. Assembly of brakespring on worm wheel
3. Soldering of motorwires on Actuator Print/Cable

The LA31 production comprises 4 motor sub-assembly stations operated by Assembly workers.

The LA31 motor sub-assembly comprises 10-15 of different components.

InnovationSprint Challenge:

Identify the most optimal Lean & Flexible Automation solution of the LA31 Motor Sub-Assembly area



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