

Opportunity 1

LA34 – Spindle Sub-Assembly & Linear Actuator Main Assembly

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LA34 Linear Actuators



LINEAR ACTUATORS

LA34

- Max thrust: 10,000 N
- Max speed: 18.0 mm/s
- IPX6

The LA34 is a technological state-of-the-art actuator, which, thanks to its innovative construction, can push up to 10,000 N at a speed of 5 mm/s and with a current consumption of approx. 7 Amp.

The strong LA34 actuator is made in a low weight composite material.

Its compact design, the outstanding performance and a wide range of safety options makes the LA34 the right choice for a variety of medical and industrial applications.

The actuator LA34 is approved according to IEC 60601-1, ANSI/AAMI ES60601-1, and CAN/CSA-22.2 No 60601-1

Main application areas for the LA34



Dental Chairs



Treatment Couches



Healthcare Beds

LA34 Spindle Sub-Assembly & Linear Actuator Main Assembly

Spindle sub-assembly area



Actuator main assembly area



Main processes:

- Main components & various smaller parts are assembled to the Spindle Sub-Assembly
- Final Assembly of Actuator
- Test
- Packaging

The area is manned with approx. 4-7 operators working multiple shifts

The LA34 Actuator comprises approx. 40-60 components

InnovationSprint Challenge:

Identify the most optimal Lean & Flexible Automation solution taking the entire LA34 Assembly process flow into consideration

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