

# DEA LAMBDA SP

## THE HI-TECH GIANT CMMS

DEA LAMBDA SP is a line of very large measuring machines designed for operation in industrial environments. They excel in the high-speed, high-accuracy inspection of huge components, such as marine engines, aircraft structures and turbines, that require open, modular, easily customisable structures with virtually unlimited measuring volumes.

A proprietary dual drive/dual encoder system on the Y axis simulates a virtual single axis located at the centre of the carriage. Carriage yawing and structure deformations during motion are monitored by a distributed sensor system and compensated in real time. This unique configuration prevents the yawing of the carriage, ensuring higher dynamics and superior measuring accuracy.

All axes and pillars are protected by wraparound thermally insulated covers and bellows. Internal forced air circulation eliminates temperature stratification. An advanced multisensor temperature compensation system ensures nominal measuring accuracy over an extended ambient temperature range. High-performance servo wrist options handle exceptionally long probe extensions for full accessibility to all part features.

