

Mitsubishi Electric's New Teaching Box Speeds up MELFA Robot Deployment



Mitsubishi Electric has announced the launch of its new high-performance teaching box, R86TB, designed to support end users, machine builders, and system integrators in installing, programming, redeploying, maintaining, and troubleshooting industrial and collaborative MELFA robots. The new solution simplifies human-machine interaction and supports the creation of highly efficient automated operations.

Mitsubishi Electric's multifunctional operation and programming panel R86TB, built on the solid foundation of the company's existing teaching boxes, offers an advanced, cost-effective, more intuitive, and user-friendly platform with enhanced functions for monitoring and programming both the latest MELFA robots and previous generations. The device enables comprehensive control of the connected robot through a range of easy-to-use screens accessible via a large, high-resolution 10.1-inch display. The new solution therefore supports users with limited robotics skills in effectively implementing entry-level applications, while also helping more experienced professionals create advanced applications more efficiently and productively.

The R86TB features 3D visualization capabilities that help machine builders, system integrators, and end users plan, set up, and program robotic tasks in an environment that mirrors physical configuration. This functionality is complemented by programming assistance features, parameter input and programming interfaces, as well as a dedicated diagnostics section. Based on Mitsubishi Electric's robot engineering software RT Toolbox3, these capabilities ensure consistency and make it easier for users to adopt and work across platforms.

In addition to these functions, the high-performance **R86TB teaching box** supports fast, early troubleshooting without the need for a PC, helping to optimize uptime and performance of automated applications.

Commenting on the launch of the new **R86TB teaching box** and the further advancement of highly efficient robotic installations, **Oliver Giertz**, Strategic Product Manager for Servo/Motion/Robotics EMEA at Mitsubishi Electric Europe, said: "Designed as a convenient interface for interacting with MELFA robots throughout their entire service life, the R86TB will significantly help customers fully leverage the capabilities of these machines."