

Freedom to customize your own external axis solution with ABB motor and gear units.

ABB's new comprehensive offer of well-proven motor and gear unit packages now enables integrators to create custom solutions for workpiece positioners, robot carriers, track motions, servo guns and indexing conveyers.

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ABB's well-proven motor and gear units are now being offered in improved and extended packages complete with cablings, serial measurement board (SMB) box, optimization software and safety options.

"We wanted to help system integrators build their solutions with our proven motors, gears and cables," says Per Lowgren, Product Manager at ABB. "It's a whole pre-engineered package that simplifies integration with ABB robots and robot controllers. We have also standardized the offer to make it more cost-efficient."

The motor units now come in four sizes, including a new extra-large motor (MU400) that is perfect for high-power applications such as turntables. The gear units are being offered in the same seven versions that are currently built into ABB's high-quality positioners, including both MTD (for positioning) and MID (for interchange) units. These standard motor and gear units have been well-tested, are designed to work perfectly with other ABB equipment and are easily available as spare parts.

The packages also include well-proven flexible cables to simplify integration and prolong life expectancy. In addition, ABB is offering serial measurement boards, push buttons for brake release and axis selectors for greater safety and control.

To ensure that integrators building customized positioners can tune both motor and gear unit parameters in order to achieve improved motion performance in less time, ABB are also introducing a new RobotWare software tool, TuneMaster.

"These packages will help integrators save valuable time on projects," says Lowgren. "Because they are delivered with predefined CAD models and configuration files, they are very easy to integrate. That's a huge benefit in all phases of a project, including proposal, simulation, planning, engineering, purchasing, installation, commissioning and documentation.

The new motor and gear units are fully supported by the ABB Robotics global sales and service organization in 53 countries. In addition the RemoteService option can monitor error messages from the motor and gear units to guarantee the best possible uptime of ABB robots systems, and immediate response in case of any unplanned stoppages.

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