

Motor Units

Application equipment



ABB is offering well-proven and pre-engineered motor unit packages that are more cost efficient and much easier to integrate with robots and robot controllers.

Expanded possibilities

ABB is offering standardized motor unit packages complete with cabling, serial measurement board (SMB) box and safety options. The portfolio of five different motor units between 4-50 Nm max dynamic torque offers vast possibilities for positioners, track motion rails, indexing conveyers, servo guns and other external axis applications.

Standardized solutions

All five motor unit versions are already used in ABB's range of high-quality positioners and robots, so integrators can rest assured that the motor units are tested and proven parts that are pre-engineered to work perfectly in combination with other ABB equipment. And because they are standard, the motor units are cost efficient and easily available as spare parts.

Easily integrated

The motor unit offer includes CAD models that allow engineers to easily incorporate the motor units into their system designs. These are particularly suited to ABB's own easy-to-use RobotStudio software, which can support every aspect of a system (e.g., motion control, application design, execution, and communication), as well as RobotWare and RobotWare Arc. By using the RobotWare tool TuneMaster, an integrator building a customized positioner can tune both motor and gear unit parameters in order to achieve an improved motion performance in less time. In arc welding for example,

TuneMaster facilitates tuning of robot and positioner interaction for improved welding results. For optimal motion control, ABB offers an extensive standard positioner program with dynamic models available.

Complete package

The accompanying flexible cables simplify integration of motor units into designs where the motor frequently shifts position, and end customers benefit from the fact that these cables are proven to last much longer. The units are also available with serial measurement boxes, push buttons for brake release and axis selectors for greater safety and control.

Enhanced productivity in implementation and production

By using ABB's well-proven and documented motor unit solutions, integrators can save time on projects, especially during the proposal, simulation, planning, engineering, purchasing, installation, commissioning and documentation phases. Depending on the scope of the project, those time savings could add up to hours, days or even weeks. The unique Connected Services option monitors error messages from the motor units to guarantee the best possible uptime of your system and immediate response in case of an unplanned stop.

Global support

With more than 40 years of experience in robotics, ABB has sales and service organizations in 53 countries.

Motor units MU 100 - MU 400

Specification

Version	Weight (kg)	Rated speed (rpm)	Max. dynamic torque (Nm)	Protection
MU 100	4.4	3 300	4.3	IP 67
MU 200	10.3	5 000	14.0	IP 67
MU 250	13.2	4 750	28.0	IP 67
MU 300	15.0	5 000	35.0	IP 67
MU 400	27.0	4 700	50.0	IP 67

MU 100



MU 200



MU 250



MU 300



MU 400



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