

Torque Screwdriver

ABL Series

A light, compact driver tool unit for low-torque automated machines that can be installed on the small collaborative robot COBOTTA. A long-lasting, brushless DC servo motor and high-resolution encoder are installed to provide the screw tightening accuracy required for assembling precision instruments and the reliability and durability required for mass production lines.



Features

- Decentered design equipped with a detection mechanism for raised screws.
- Memory installed for storing output torque characteristics and ID information.
- Output torque is calibrated when shipped.
- Bearing mechanism that minimizes bit runout.
- One-touch ball chuck mechanism for easy attachment/detachment of bit.

TN501 controller

Produces steady cyclic torque accuracy at all times, regardless of the type of screw or workpiece, just by setting the screw tightening torque value directly. Control conditions and functions for operations such as tightening/loosening screws, are customizable. Waveform monitoring data during the screw tightening process can be stored via USB or RS-232C output. Also supports traceability recovery.



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