



Ti5 Robot Lightweight Joint Modules - Product Overview

Official Ti5 Robot integrated joint modules for humanoid and collaborative robots. Each module integrates a brushless torque motor, ultra-thin harmonic reducer, high-precision multi-turn absolute encoder, driver and brake.

Product Line

Series	Models	Architecture	Encoder
PRO (hollow)	CRA-RI30 / RI40 / RI50 / RI60	Hollow shaft, ultra-thin harmonic reducer	17-bit multi-turn absolute
NH (non-hollow)	CRA-RI60-80-PRO / RI80-100	Non-hollow, compact, high torque density	17-bit multi-turn absolute
KH (planetary)	CRA-RI50-70 / RI100-120	Planetary reducer, cost-effective	17-bit multi-turn absolute
Custom	Per platform	Motor + reducer + encoder + driver + brake	RM inductive / BISS-C / RS485

All products are genuine Ti5 Robot brand units, supplied under our official authorized distribution agreement (valid May 2026 - May 2027). Specifications shown are representative and may be refined per the official Ti5 datasheet for your configuration. Contact our engineering team for the latest models, custom interfaces and volume programs.

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