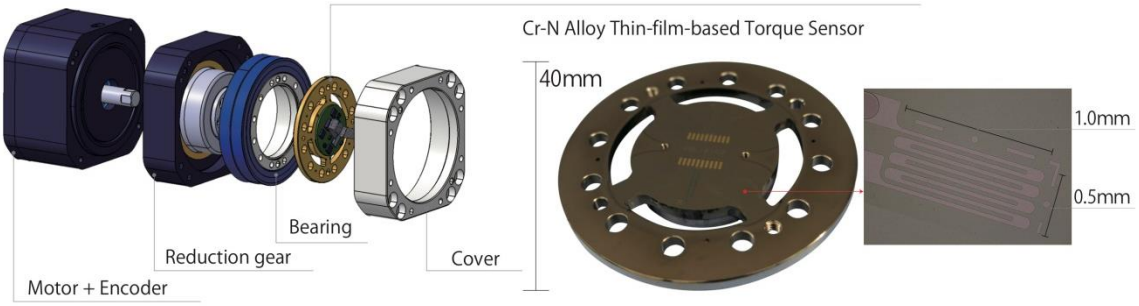
T-HR3 TECHNICAL OVERVIEW

Torque Servo Module

The Torque Servo Module is the combination of a supersensitive and highly-rigid Cr-N Alloy Thin-film-based Torque Sensor, motor and reduction gear.



Master Maneuvering System

T-HR3 is controlled from a Master Maneuvering System that allows the entire body of the robot to be operated instinctively with wearable controls that map hand, arm and foot movements to the robot, and a head-mounted display that allows the user to see from the robot's perspective.

Installation of Torque Servo Modules

Core Capabilities

- *Flexible Control Technology* to control the force of contact the robot makes with any individuals or objects in its surrounding environment.
- *Whole-body Coordination and Balance Control Technology* to maintain the robot's balance if it collides with objects in its environment.
- *Real Remote Maneuvering Technology* to give users seamless and intuitive control over the robot.

Technical Specifications

	Master Maneuvering System	T-HR3
Size	W:850 mm x D:1500 mm x H:1450 mm	H:1540 mm
Weight	170 kg	75 kg
Moving Parts	16 axes	32 axes and 10 fingers
Accessories	Data Glove, Head-Mounted Display	-