



# HT-EOL™

## End-of-line Test System for hand throttles with resistive and Hall-effect sensors.



**HT-EOL™** is a stand-alone machine designed for test of electric hand throttles. It can handle resistive (potentiometric) sensor and hall-effect sensor.

**HT-EOL™** is a turnkey solution, ready for production lines.

### MAIN FEATURES:

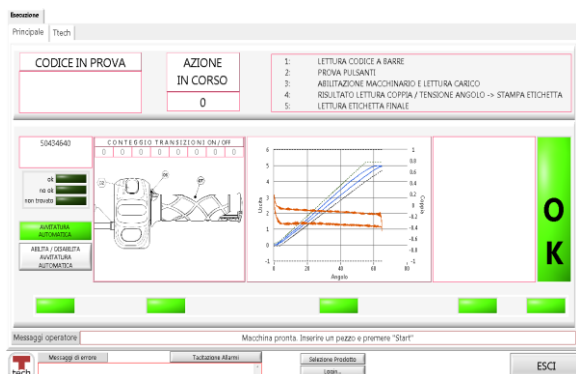
- ❑ Motion control unit with self-centering three-jaw chuck to lock and move throttle.
- ❑ Torque and angle simultaneous reading during throttle motion for force-displacement measurement
- ❑ Self-guided check of electrical switches connection before to start sensor test.
- ❑ Voltage or Current selectable source.
- ❑ Built-in MQTT 5.0 client for Industry 4.0 conformance.
- ❑ Full memory access to Hall sensor's parameters.
- ❑ Calibration of Hall's sensor available on demand.
- ❑ Database for traceability

### TECHNICAL SPECIFICATIONS

Specification	Details	Values
Sensor source	Current Voltage	100 uA – 2 mA 2 V – 20 V
Sensor Measurement	Voltage Accuracy.	0.1%
Torque	Range	5 Nm (limited to 2.8 Nm by electromagnetic clutch)
Angle	Accuracy Resolution	0.05% 12.000 pulses per revolution
Power supply	Voltage Frequency	230 VAC 50 Hz
Dimensions	WxHxD : 800 x 1800 x 1000 mm	Weight 200 Kg

## SOFTWARE FEATURES

- ❑ Applicative software with easy user interface displaying test sequence with limits and measured values, pass-fail indication for each step with different background color
- ❑ Multi-language interface, with user editable labels and messages
- ❑ Manual operation panel and sequence editor under password
- ❑ Customizable sequence to perform different tests configurations
- ❑ Sensor EEPROM parameters fully customizable.
- ❑ Test Report saved for each part
- ❑ Database for Traceability (MySQL Database; Tool for Statistic Analysis)



## APPLICATIONS

- ❑ Potentiometric electric hand throttles
- ❑ Hall-effect electric hand throttles

## CONFIGURATIONS AND OPTIONS

Product Code	Description
HT-EOL-P	End of Line station for potentiometric hand throttles
HT-EOL-H	End of Line station for Programmable Hall-effect hand throttles