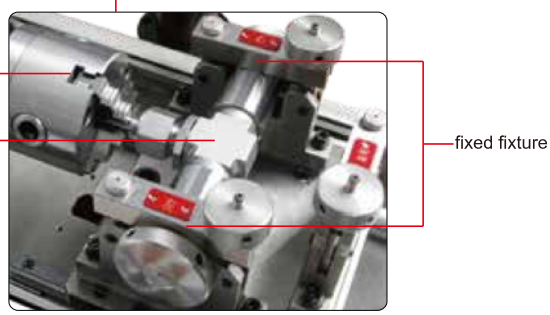
WORKPIECE TORSION FATIGUE TESTING MACHINE
CODE ITU-A102

CUSTOMIZED ACCORDING TO WORKPIECES

built-in dynamic torque sensor IST-TA10



workpiece fixture

SPECIFICATION

Main unit	Servo control mode	torque, angle and speed
	Range of test torque	20%~100%FS
	Range of torsion angle	0~9999°
	Max. test RPM	100rpm
	Direction of torsion test	clockwise and counter-clockwise reciprocating test
	Number of preset test programs	99
	Continuous working time	15 days
	Storage of test data	export in CSV format
Dynamic torque sensor*	Torque capacity	10N.m
	Torque signal	±5V transformed voltage output
	RPM signal	120/60/10 pulses/rev.
	Accuracy	0.1%F.S.
	Hysteresis	0.5%F.S.
	Annual stability	0.3%/year
	Extreme overload	200%
Power supply		AC 220V, 50Hz
Weight		230kg

*Dynamic torque sensors with different codes for different workpieces

test waveform

- Main unit is equipped with servo motor, with excellent control precision and low friction resistance, ensuring stable operation for a long time
- Non-contact dynamic torque sensor, no mechanical wear to ensure continuous operation, support for multiple data transfer protocols and fast communication rate
- Triple safety with emergency stop button, security cover and programmed safety alarm

steps

Step 1: place the workpiece on fixed fixture and lock it in place
Step 2: select the workpiece test program and set the number of fatigue test
Step 3: close the security cover
Step 4: press the start button and perform reciprocating fatigue test according to the test program