

Dependable testing procedures help you stay mission ready.

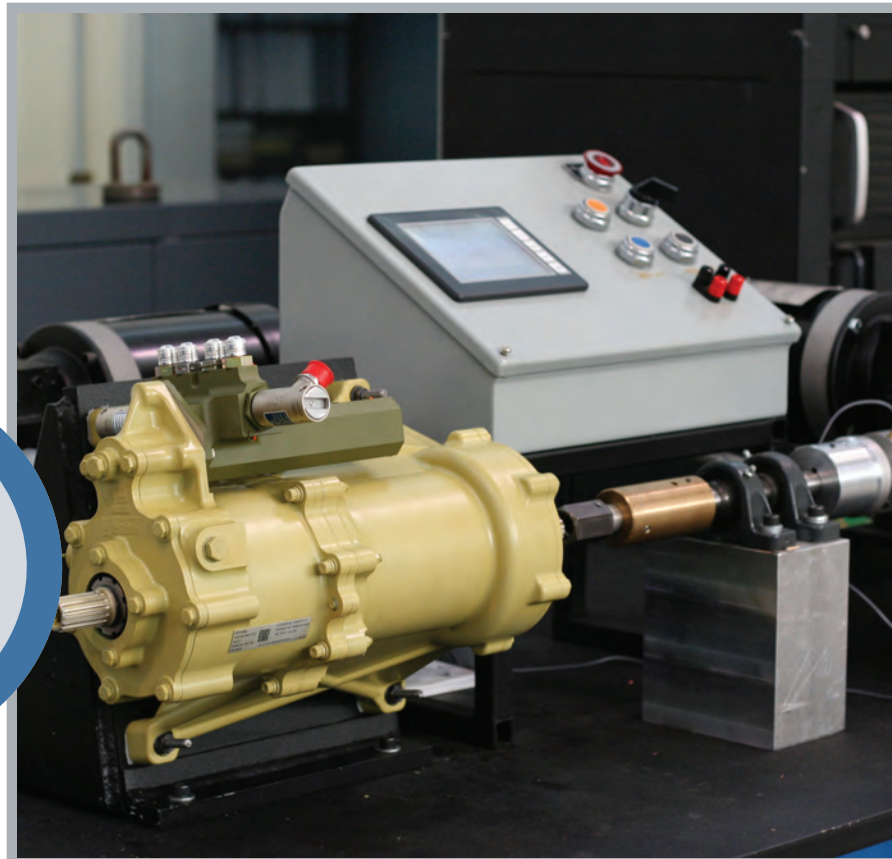
THOMAS INSTRUMENT performs extensive product testing. The testing department is staffed with experienced engineers and technicians trained to develop and perform acceptance and qualification testing according to detailed specifications. Strict adherence to customer requirements are followed to achieve product compliance. Custom test stands and fixtures are fabricated in-house to meet the specific qualification requirements of each product.



ACCEPTANCE

QUALIFICATION

ENDURANCE



TESTING PROCEDURES

ATP - ACCEPTANCE TESTING PROCEDURES

- HYDRAULIC HIGH PRESSURE TESTING
UP TO 90 GPM AT 6,000 PSI & 10,000 PSI STATIC PRESSURE
- LIQUID & GASEOUS NITROGEN TESTING
TO 120 LBS PER MINUTE
- BALL SCREW TESTING
MEASURING LOAD & EFFICIENCY UP TO 20,000 LBS
- DYNAMOMETER TESTING
MEASURING SPEED, LOAD, & TORQUE

QTP - QUALIFICATION TEST PROCEDURES

ENVIRONMENTAL TESTING PER MIL-STD-810

- THERMAL TESTING
FROM -70 DEGREES (F) TO +600 DEGREES (F)
- TEMPERATURE SHOCK
- ALTITUDE CHAMBER TESTING
TO 65,000 FEET
- VIBRATION TESTING
UP TO 100 G's
- MECHANICAL SHOCK
- HUMIDITY TESTING
- BALL SCREW TESTING
- BLOWING SAND & DUST
- SALT FOG

ENDURANCE TESTING

- HIGH PRESSURE HIGH FLOW HYDRAULIC TESTING
- IMPULSE TESTING
PRESSURE PROFILES TO 5,000 PSI
- BALL SCREW TESTING
DYNAMIC COMPRESSION / TENSION LOADING
- DYNAMOMETER TESTING
MEASURING SPEED, LOAD, & TORQUE
- WINCH / HOIST LOAD TESTING
UP TO 20,000 LBS



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