

DYNOTIS ST-151

Built for Bigger Drones. Tuned for Higher Demands.



Introducing the Dynotis ST-151

Precision Reimagined. Performance Redefined.

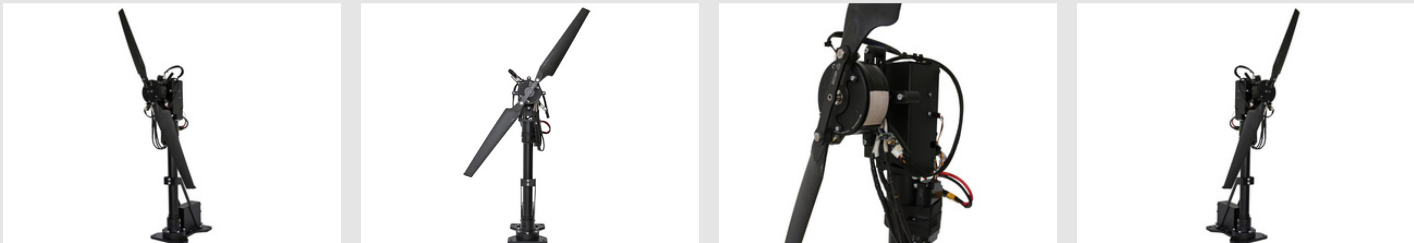
The Dynotis ST-151 is a top-tier thrust test stand engineered for large UAVs, endurance platforms, and propulsion system R&D. It combines rugged design with ultra-precise measurement tools, offering full-spectrum insights into thrust, torque, RPM, voltage, current, and motor temperature. With support for propellers up to 30 inches, a thrust capacity of 15 kgf, and 1000 Hz high-speed sampling.

Whether you're prototyping advanced drones or optimizing motor-prop setups for production, the ST-151 gives you laboratory-grade performance, right at your bench.

Powered by
DYNOTIS

SPECIFICATIONS

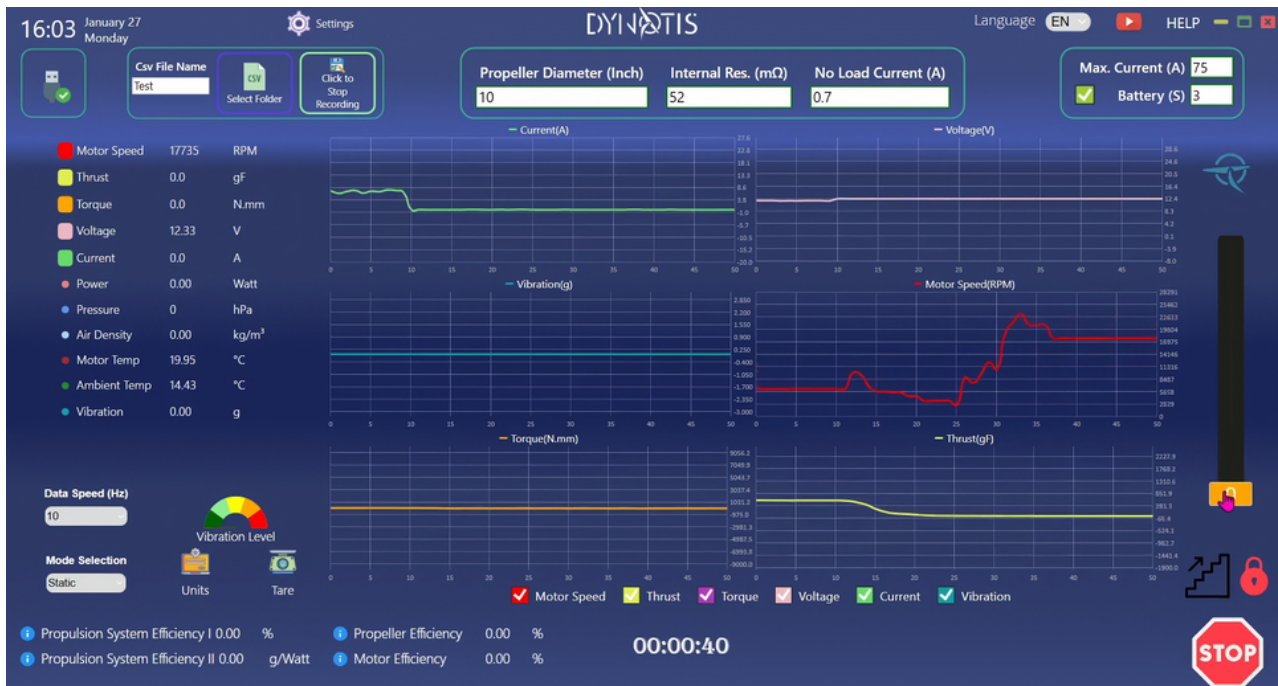
THRUST	15 kgF
THRUST ACCURACY	±1 gF
VOLTAGE	0 - 60 V
VOLTAGE ACCURACY	±0.5%
CURRENT	0 - 75 A
CURRENT ACCURACY	±1%
RPM	0-100,000 (±1 RPM)
TORQUE	5Nm (±4%)
MOTOR TEMPERATURE	-20 ~ +350 °C
MAX PROPELLER DIA	30 inches
SAMPLING RATE	1000Hz
POWER SUPPLY	5V 1A USB Type-C
OPERATING TEMPERATURE	-20°C - 50°C



Dynotis Benchmark Software

Precision in Data. Power in Insight.

Real-time monitoring, precision graphing, and detailed data logging – all in one powerful interface. Designed for seamless testing and performance analysis of UAV propulsion systems.



FEATURES



REAL-TIME DATA MONITORING

View live readings of thrust, torque, RPM, voltage, current, and temperature – all in one intuitive dashboard.



HIGH-SPEED GRAPHING

Visualize system performance with real-time graphs powered by 1000 Hz sampling, ideal for fine-tuning UAV propulsion.



CUSTOMIZABLE DATA PANELS

Arrange and personalize your display to focus on the parameters that matter most to your testing workflow.



DATA LOGGING & EXPORT

Automatically record all performance metrics and export them in CSV or spreadsheet formats for in-depth analysis.



MULTI-AXIS SYNCHRONIZATION

Sync multiple channels for precise correlation of electrical and mechanical parameters over time.



LIVE ALERTS & THRESHOLDS

Set operational limits & receive instant alerts when values exceed safe ranges – enhancing safety.



ANALYSIS-READY REPORTS

Generate Professional test reports for internal R&D, presentations, client documentation – with just one click.



PLUG & PLAY INTEGRATION

Seamlessly connects with all Dynotis test stands via USB, ensuring quick setup with no complex calibration.