



MECHANICAL TESTING Inc.

DRONE SALES & INSPECTIONS-DRONE REPAIRS-RENTALS-COMMISSIONING

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WWW.MTIDRONES.COM

Mechanical Testing Inc. is a NYS, NYC (WBE) and federally certified WOSB and WBENC Women Owned Business. We specialize in Drone Sales, Repairs, Training and Services. We also utilize the latest technology by providing customers with UAV building envelope thermal scans, industrial tower inspections, land surveying, 3D modeling and crop analysis to quickly identify deficiencies using our roster of DJI Drones and the variety of payload options.

What sets MTI's Team apart from the competition?

- ✓ We sell UAVs (drones) as an Enterprise DJI Dealer and are able to offer training services on any UAV purchased from MTI
- ✓ Our team has Part 107 pilots paired with specific flight training for every application, including Thermography.
- ✓ Every MTI project includes a deliverable report summarizing the data collected for quick team collaboration (unless otherwise specified)
- ✓ Updated/Calibrated state of the art equipment encompassing the latest technology from 4K cameras to the industry leader Flir thermal cameras
- ✓ Paperless reporting solutions for quicker turnaround and sneak peeks of reports, 24 hour project access for team members
- ✓ We take out the pain for our customers by assisting with coordination and follow up.
- ✓ MTI has been in business for 53 years since 1967! Which means we have Experience and provide excellent customer service
- ✓ Our Drone Department was added to our day to day operations in 2018 but we have quickly navigated the business to integrate our processes.

Core Capabilities

Our Part 107 Pilots and Repair Technicians will research, test, and implement solutions in the areas of:

- ✓ Thermal Imaging scans of buildings
- ✓ DJI Enterprise Authorized Drone Dealer
- ✓ DJI Certified Enterprise and Consumer Repair Center
- ✓ Drone Demonstrations for Local Public Safety Agencies and Organizations
- ✓ Visual Inspections (Buildings, Infrastructure, Powerline, etc.)
- ✓ Orthomosaic Mapping (Agriculture, Construction, etc.)
- ✓ Research and Development of new drone applications

Our Fleet

Our current drone fleet consists of:

- Phantom 4 Pro
- Phantom 4 Pro RTK
- Mavic 2 Enterprise Dual

- Matrice 210 V1
- Matrice 600 Pro
- Mavic Pro
- Mavic Mini for small spaces and interior inspections

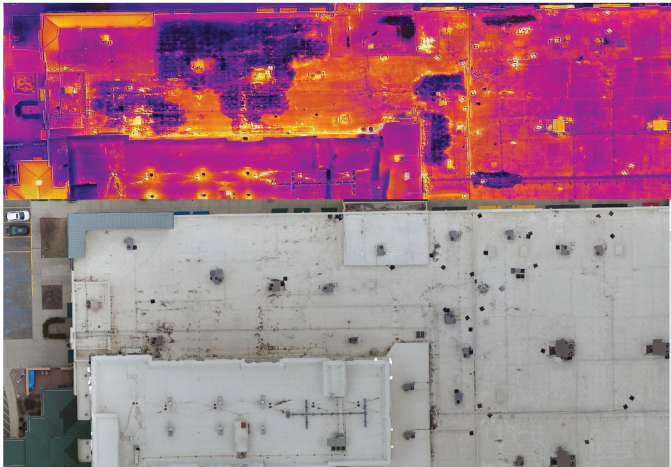
We offer all **DJI** and **Flir** products.

- Our current sensors consist of :
- Zenmuse Z30
- Zenmuse XT2 - 640x512 13mm (ZXT2A13FR)
- X3 Multispectral
- X3 RGB
- Zenmuse X5S
- Sentera NDVI Sensor

Our Services

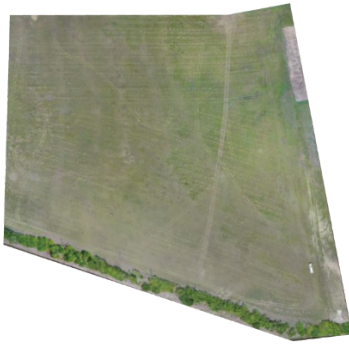
Thermal Inspection

- Using our Matrice 210 with Zenmuse XT2 we are able to identify and mitigate the accurate area of deficiencies on a roof or facade of a building. Our rate includes a full deliverable labeling and identifying any areas of concern.
- Utilizing a drone equipped with a high resolution thermal camera can also be utilized during EarthWork activities to avoid areas with insufficient drainage run off to prevent or mitigate construction site flooding.



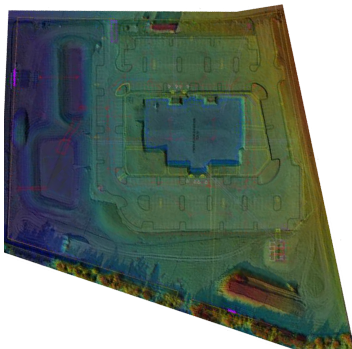
Site Progression Orthomosaic Mapping

- An orthomosaic map is one large high resolution image composed of hundreds of lower elevation images stitched together. The creation of this map is possible, due to geo-reference points being stamped every time an image is taken using an MTI payload.
- An orthomosaic map can be used to calculate accurate area, volume, distance and slope measurements. While utilizing this map, you'll also have the ability to overlay blueprints and drawings from ProCore to compare design versus the build reality.
- When safety is paramount nothing helps analyze job site hazards like the perspective an aerial reconnaissance. Drones are an affordable alternative to helicopters, planes and other sources of aerial data.



Elevation Mapping

- Ahead of your pre construction planning, drone technology can quickly generate an elevation map. This is beneficial to any EarthWorks project to accurately calculate any Cut & Fill Volume.



3D Modeling

- Structural Models can be shown to contractors or builders to help save significant time in the construction process. This leads to a faster designing and building process. 3D modeling can construct structures much faster than 2D drawings



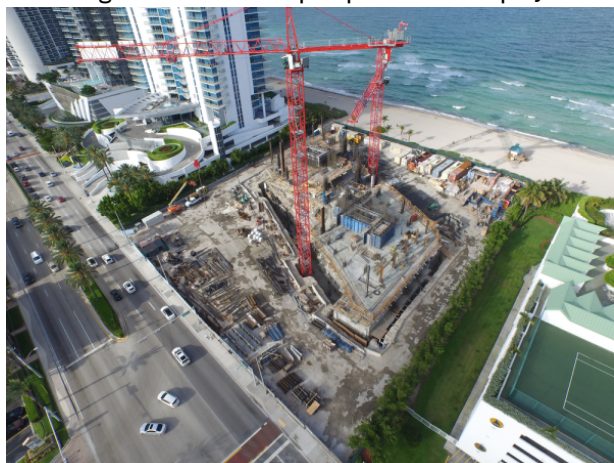
High Resolution Inspection

- Utilizing a drone from an inspection standpoint is without a doubt a more cost efficient and safer option. MTI Drones utilizes an 180x Zoom Camera to inspect a variety of structures and objects, while allowing OSHA and Management to worry less while their team members are performing a high risk operation. Let's get rid of scaffolding unless 100% needed!



Marketing Imagery & Video

- MTI Drones poses multiple drones with high resolution cinematography cameras. This will give both the client and their marketing team a different perspective of the project under construction.



Federal Certification

WBENC Certification #20051226825 Exp 5/26/21 and WOSB # WOSB191159 Exp 5/26/21

GSA Contract # [47QSHA20D001C](#)

State Certifications

NYS Certified WBE, NYC Certified WBE and SCA Certified WBE

Other Industry Certifications: Thermography 1, DJI Repair Certified and TABB, AABC, NEBB, CxA

Industry Clients

OrganizationName	Contact Information
Clough Harbor Associates (CHA)	Fabio Bendana (585) 743-8027
Airosmith Development	Jason Harden (518) 306-1730
Tyler Technologies	Kim Lawlor (800) 433-5330
Measure UAS	Andy Justicia (787) 374-3741
Saratoga County Sheriff's Department	Sergeant Chris Rudolph (518) 928-1017
New York State Troopers	Frank Johnston (518) 727-9551

General Information

Registered Company Name: Mechanical Testing, Inc.

DBA: Mechanical Testing Inc.

Year Incorporated: 1967

State of Incorporation: New York State
Corporation Type: Subchapter S
Federal ID 14-1498182
DUNS Number 098356397
Cage Code 6AGZ2
NYS Contract Reporter #100013831

Contact Information

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