

Aero & Space Technology

Products & Services

Provided by:

AEOLUS AERO TECH Pvt. Ltd.

Bengaluru, Karnataka, India

In collaboration with

Space Tango

Kentucky, USA

Promoted by:

Resources International, Inc.

895 Edgewater Drive, Lexington, KY 40502-3159, USA

<https://riinc.net>

Organization

Manufacture & Service

AEOLUS AERO TECH, Pvt. Ltd.

Bengaluru, India



Promotion & Distribution

RESOURCES INTERNATIONAL, Inc.

Lexington, KY, USA



Aeolus Aero Tech (AAT)

- * Global Leader in Aerospace Products and Services
- * Delivers affordable, High Technology Solutions
- * Uncompromising Business Ethics & Delivery
- * World class Technical Expertise & Collaboration
- * Dedicated to Customer Satisfaction & Mission
- * Assist with Manufacturing, Assembly and Testing
- * Provide Life-time Engineering & Technical Support
- * Champion Alternative Wind Energy (500 W to 5 KW)

AEOLUS AERO TECH Pvt. Ltd.

202, 3rd Floor, Rajadathri Building
2nd Main Road, Kasturi Nagar
Bengaluru 560 043, India



Aero-Space Products

A. Educational Labs

B. Heat Pipes & Thermosyphons

C. Wind Tunnels

D. Space Tech Products

E. Micro-Gravity Research

F. CubeSat: Design, Develop & Deploy

G. Alternative Wind Energy (500 W - 5 KW)



A. Educational Labs

- 1) Dynamics Lab
- 2) Fluid Mechanics Lab
- 3) Mechatronics Lab
- 4) Materials Strength Lab
- 5) Thermal Engineering Lab - I
- 6) Thermal Engineering Lab - II



A - 1) DYNAMICS LABORATORY

AAT-DL01	CAM Analysis Apparatus
AAT-DL02	Motorized Gyroscopic Apparatus
AAT-DL03	Governor Apparatus
AAT-DL04	Whirling of Shafts
AAT-DL05	Static & Dynamic Balancing
AAT-DL06	Vibration Test Apparatus
AAT-DL07	Gear Models
AAT-DL08	Epicyclic Gear Train
AAT-DL09	Universal Joint Mechanism
AAT-DL10	Kinematics Engineering



A - 2) Fluid Mechanics LABORATORY

AAT-FM01	Flow Measurement Apparatus
AAT-FM02	Centrifugal Pump
AAT-FM03	Reciprocating Pump
AAT-FM04	Gear Pump
AAT-FM05	Submersible Pump Testing
AAT-FM06	Pelton Wheel Turbine (Closed Circuit)
AAT-FM07	Kaplan Turbine (Closed Circuit)
AAT-FM08	Francis Turbine
AAT-DL09	Universal Joint Mechanism
AAT-DL10	Kinematics Engineering



A - 3) Mechatronics LABORATORY

AAT-MM01	Pneumatic Trainer Kit
AAT-MM02	Basic Hydraulic Trainer Kit
AAT-MM03	Systems Simulation Software
AAT-MM04	Microcontroller Kit, Stepper Motor, Circuits
AAT-MM05	LABVIEW Software



A - 4) Materials Strength LABORATORY

AAT-SM01	Universal Testing Machine
AAT-SM02	Torsion Testing Machine
AAT-SM03	Impact Testing Machine
AAT-SM04	Brinnell Hardness Tester
AAT-SM05	Rockwell Hardness Testing Machine
AAT-SM06	Spring Testing Machine
AAT-SM07	Metallurgical Microscopes
AAT-SM08	Muffle Furnace



A - 5) Thermal LABORATORY - I

AAT-TE01	IC Engine - 2 Stroke Diagram
AAT-TE02	IC Engine - 4 Strokes Diagram
AAT-TE03	Redwood Viscometer
AAT-TE04	Flash & Fire Point Apparatus
AAT-TE05	Diesel Engine Frictional Power
AAT-TE06	Morse Test Multicylinder Petrol Engine
AAT-TE07	4-Stroke Diesel Engine Heat Balance Test
AAT-TE08	Steam Boiler with Turbine
AAT-TE09	Steam Generator Performance & Energy Balance
AAT-TE10	Steam Turbine Performance & Energy Balance



A - 6) Thermal LABORATORY - II

AAT-TE201	Refrigeration Test
AAT-TE202	Reciprocating Air Compressor - Single/Two stage
AAT-TE203	Air Conditioning Test Rig
AAT-TE204	Heat Flow - Parallel and Counterflow
AAT-TE205	Heat Transfer from Pin-Fin Apparatus
AAT-TE206	Stefan-Boltzmann Constant
AAT-TE207	Forced Convection Inside Tube
AAT-TE208	Heat Transfer from Vertical Cylinder
AAT-TE209	Pipe Insulation Thermal Conductivity
AAT-TE210	Guarded Plate Thermal Conductivity

Energy, CubeSat, Space, Microgravity

Aeolus Aero Tech Services



- * 1. Mission Design & Development
- * 2. Mission Preparation & Analysis
- * 3. Subsystem Requirement Analysis
- * 4. Subsystem Development & Testing
- * 5. Product development support
- * 6. Integration, Verification and validation
- * 7. System Integration & Testing
- * 8. Industrial Manufacturing
- * 9. Advanced Engineering Services (CAE/CFD/CAD)
- * 10. Related software development



Contact us

- ✓ AEOLUS AERO TECH Pvt. Ltd. offers several products and services in the Aeronautical, Micro-gravity and Space sectors. Email with your specific needs
- ✓ For details on any product, service, pricing, delivery, warranty, service needs, maintenance, insurance, etc. please contact the undersigned
- ✓ Products and Services offer is subject to required approvals from the regulatory authorities in the respective countries & International Space Protocols
- ✓ Applicable freight, import duty and any VAT / Sales taxes will be added. Shall assist Customer to secure required CubeSat Insurance
- ✓ Aeolus Aero Tech shall provide needed documents to obtain Import clearance. Client shall take care of customs clearance, import duty, local freight, etc.

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Thank You!



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