

Welcome!
Naugra Lab Equipments

“ Mechanical Engineering Laboratory Equipments
Manufacturers in India ”

To know more visit at

<https://www.naugralabequipments.com/mechanical-engineering-laboratory-equipments>

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Workshop Machines and Workshop Tools

CNC Milling machine

CNC Milling machine: Workshop Machines: It is easy to accommodate this equipment in moderate workshops and stays a very good investment for small scale metal industries. Suitable for applying in variety of industrial machining processes. Perfect workshop tool for engineering industry.

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Materials Testing Lab Equipment

Impact Testing Machine-Digital

Impact Testing Machine Digital: Materials testing lab equipment : Strength of material testing lab equipment: Our offered machine is widely used to determine the anti-impact capability of metal materials under dynamic load. This machine is manufactured using the best quality raw material and latest technology as per the international standards.

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Applied Mechanics Lab Equipments

Bending Moment Apparatus

Bending Moment Apparatus: Applied Mechanics lab equipment: For measurement of bending moment at a section in a beam. The beam has two parts with a ball bearing hinge at the joint. An under hung spring balance with an adjustable length holds the hinge in compression, hence resists bending moment. The beam is simply supported on two end bearings, one with an adjustable height.

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Fluid Mechanics Lab Equipment

Bernoulli's Theorem Demonstration

The advanced Bernoulli's Theorem Demonstration module is mainly composed of a circular section conduit with shape of a truncated cone, transparent and with seven pressure taps to measure, simultaneously, the static pressure of each section. All the pressure taps are connected to a manometer with a water collector (water might be pressurized). The ends of the conduits are removable, enabling to be placed in either convergent or divergent form with respect to the stream direction.

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Turbomachinery Lab Equipments

Francis Turbine Test RIG-1HP

Technical Specifications:

- Francis Turbine Designed to develop 1Kw at 1250 RPM with a flow of 900 LPM at 10 meters supply head, complete with rope brake arrangement, pressure & Vacuum Gauges for conducting experiments.
- Piping system consisting of pipes, valves and fittings complete set suitable for the Francis Turbine Test Rig.
- Supply pump set 5 HP 'Kirloskar' make suitable for supplying water to the above turbine
- Starter suitable for the above motor pump set.
- Flow measuring unit consisting of Venturimeter and mercury manometer.
- Rope brake dynamometer with spring balances.
- Mild steel sump to store sufficient water for experimentation and arranged within the floor space of the main unit and to operate without any concrete foundation.

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Thermal Engineering lab Equipment

Cruise Control Trainer

Cruise Control Trainer developed Cruise Control Trainer is designed to demonstrate how the cruise control system works in a vehicle the device is designed based on the mechanical type CCS to holistically demonstrate the structure and operation of the system.

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Automobile Engineering Lab Equipment

Air Bag Trainer

Air Bag Trainer: Automobile Engineering lab equipment: The Air Bag Trainer allows students to understand the fundamentals of air bag systems as used in today's vehicles. Built with OEM components, the trainer functions in the same way as in the original vehicle with the difference that a light is used instead of the exploding airbag. Using the trainer, students will learn.

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Heat and Mass Transfer Lab Equipment

Drop and Film Condensation

Technical Specifications:

- **Steam generator:** with 1 kw capacity water heater
- **Condensers:** Chrome plated (For consideration in drop forms.)
- **Natural finish.** (For consideration in film forms.)
- **Rota-meter:** 50- 500 LPH for cooling water flow measurement.
- **Pressure gauges:** 0-2 kg/sq. cm.
- **Digital temperature indicator.**
- **Flow control valves for cooling water.**

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Dynamics of Machine Lab Equipment

Cam Analysis Apparatus

Cam Analysis Apparatus: Dynamics of Machine lab equipment: The offers a comprehensive machine that allows students to study cams and followers. It shows how they convert rotary to linear motion, and helps students understand their limits of use before the onset of 'bounce'.

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Refrigeration and Air Conditioning Lab Equipment

Air Conditioning System Trainer

Air Conditioning System Trainer: refrigeration and air conditioning lab equipment: The Air Conditioning System Trainer represents a complete air conditioning system with an air duct and a climatic chamber. The main components of the air conditioning system are the air cooler with condensing unit.



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Measurement Lab Equipment

Computerized Flow Control Trainer

Computerized Flow Control Trainer: Measurement and Instrumentation Lab Equipment: The Trainer provides a comprehensive experimental introduction to the fundamentals of control engineering using.

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CAD and CAM Lab Equipment and Softwares

CNC Lathe Machine

Technical Specification:

Driver

Spindle Motor: Two-speed Motor 4/6 (3 phase 2.2/2.8kw)

Manual three jaw chuck 1pc

Gang Tool Carriage& Gang Tool Holder(3pcs)

Hand Wheel

Thread Function

Coolant Pump

Working Lamp

Enclosed Shield for Ball Screw

RS232 Communication Cable& Communication SoftwareCD

Tricolor Lamp for Machining State Indication



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