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WIND TUNNEL



- Subsonic Wind Tunnel
- Supersonic Wind Tunnel
- Transonic Wind Tunnel
- Hypersonic Wind Tunnel
- Closed Wind Tunnel
- Small Wind Tunnel

MECHANICAL



FLUID LAB INSTRUMENTS

- HYDRULIC FLUME APPARATUS
- BIG NOTCH APPARATUS
- HYDRAULIC JUMP APPARATUS
- METACENTRIC HEIGHT OF SHIP MODEL
- FLOW MEASURING APPARATUS
- FREE AND FORCE VORTEX FLOW APPARATUS
- NOTCH APPARATUS
- ORIFICE & MOUTHPIECE APPARATUS
- PIPE FITTINGS LOSS APPARATUS (MINOR LOSS)
- PIPE FRICTION LOSS APPARATUS (MAJOR LOSS)
- PRESSURE MEASUREMENT APPARATUS
- REYNOLD'S APPARATUS
- BERNOULLI'S THEOREM APPARATUS
- IMPACT OF JET APPARATUS
- VENTURIMETER & ORIFICEMETER APPARATUS
- PITOT TUBE APPARATUS
- ORIFICE METER APPARATUS
- CENTRE OF PRESSURE APPRATUS
- ELECTRICAL ANALOGY APPARATUS
- HELSHAW APPARATUS

HYDRALIC LAB INSTRUMENTS

- PELTON WHEEL TURBINE
- KAPLAN TURBINE (1 KW)
- FRANACIS TURBINE (1 KW)
- FRANACIS & KAPLAN TURBINE (1 KW)
- MULTI-STAGE CENTRIFUGAL PUMP TEST RING
- JET PUMP TEST RING
- VANE PUMP TEST RING
- GEAR OIL PUMP TEST RING

THERMAL LAB INSTRUMENTS

- RECIPROCATING AIR COMPRESSOR TEST RIG

FLUID POWER LAB INSTRUMENTS

- RECIPROCATING PUMP TEST RIG:
- CENTRIFUGAL PUMP TEST RIG:

HEAT AND MASS TRANSFER LAB INSTRUMENTS

- THERMAL CONDUCTIVITY OF METAL BAR
- STEFAN BOLTZMAN APPARATUS
- HEAT TRANSFER IN NATURAL CONVECTION
- HEAT TRANSFER THOUGH FORCED CONVECTION
- HEAT TRANSFER THOUGH LAGGED PIPE
- HEAT PIPE DEMONSTRATION
- CRITICAL HEAT FLUX APPRATUS
- PIN FIN APPRATUS
- PARALLEL AND COUNTER FLOW HEAT EXCHANGER

ALL VALVE CUTWAY MODEL

AUTOMOBILE



- Petrol Engine
- Diesel Engine
- Transmission
- Gear Box
- Brake System
- Suspension
- Steering
- All Cut Way Models

ELECTRICAL



- All Motor Cutway Model
- AC Motor Board
- DC Motor Board
- Universal Motor Board
- Motor Connection Board
- Motor Drive Board
- Electrical Work Bench

CIVIL

- Shake table
- Construction trainer

PETROLIUM

- RPVOT Oil Testing

I.C

- PLC Trainer
- All Motor Boards

ELECTRONICS



- Basic Electronics
- Microcontroller Boards
- Microprocessor Boards
- All sensor Boards
- Digital Boards
- Bread Board Trainer
- Wireless Modem Boards
- Converters Boards
- Amplifier Boards
- Communication Board
- Control System Board
- Oscillator Boards
- Amplifier Board

- Computer hardware
- Electrician
- Plumber
- Welder
- Assembly
- Carpenter
- Sheet metal Worker
- Fitter & turner

I.T.I. LAB



TESTING LAB

- All type Oven
- Hot Air oven
- Humidity Oven

ALL TYPES PANEL

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Products

Sworld offers learning systems for a broad array of topics including: power and energy, controls, manufacturing processes, design, fluids, fluid power, thermal, electrical, electrical motors, mechanical, communications, robotics, computer integrated manufacturing, mechatronics, and automation. Sworld also offers a rich array of multimedia and eLearning on all key technical topics including hands-on technical skills via virtual trainers.

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