

### MECHANICAL

Hydraulic Trainer, Electro Hydraulic Trainer  
Pneumatic Trainer, Electro Pneumatic Trainer  
PLC based Hydraulic & Pneumatic Training System



Milling, Turning, Grinding Machines  
Lathe Machines  
Hydraulic Press, Blender machines

### FLUID MECHANICS

Hydraulic Bench with testing equipments  
Kaplan Turbine, Pelton Turbine Trainers



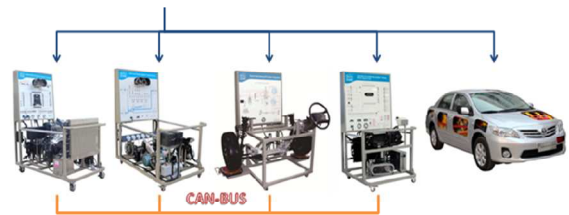
### ADVANCED MACHINERIES

EDM, Wire Cut EDM  
Electro Chemical Machine (ECM)  
Length measuring machine  
Deep Drawing Press, CNC Router  
Electronic Speckle Pattern Interferometer  
Atomic Force Microscope (AFM)  
Tube Hydroforming machine  
Co-ordinate Measuring Machine (CMM)  
SEM, STEM, TEM, 3D Printer/Router

Friction Stir Welding Machine  
Plasma Arc Welding Machine  
CNC Plasma Cutting Machine  
Electron Beam Welding (EBW)  
Submerged Arc Welding machine  
Laser Cutting & Welding machine

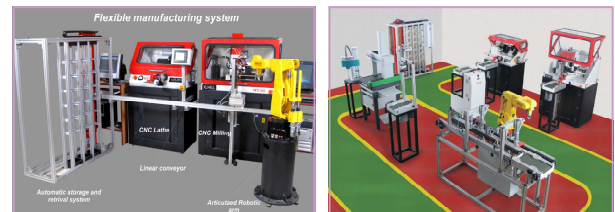
### AUTOMOBILE

Single Stroke, Four Stroke Engine Trainers  
Working model with testing facility  
Dashboard training model for CAN and LIN buses  
Cut-section Models of Automobile equipments  
Gasoline Engine Trainer Kit  
Ignition System Trainer  
Multi-cylinder turbocharged CRDI engine trainer  
Breaking System Trainer  
Air Suspension, Air Conditioning System Trainer  
Finished Automobile Anatomy Teaching Aid  
Diesel Common Rail Engine experiment trainer



### AUTOMATION

Computer Integrated Manufacturing (CIM)  
Flexible Manufacturing System (FMS – MAPS)  
Smart Factory Automation  
LIFT Model  
Bottling Plant – Factory Automation



### ELECTRICAL & MACHINES LAB

Electrical Work Bench  
Electrical Power Transmission System  
Electrical Power Generation System  
Electrical Drive Training Systems  
Transformer Trainer, Servo Motor trainer  
Electricity Safety measurement trainer  
DC Shunt/Series Motor, Generator



**ELECTRONICS**

Electronic Work bench  
 Electronic Trainer, Power Electronics Trainer  
 Programmable Logic Trainer  
 Fibre Optic, Satellite Communication Trainer  
 Robotic Automation, Sensor Trainers



**PROCESS CONTROL**

Flow Process Control Training equipment  
 Level Process Control Training equipment  
 Temperature Process Control Trainer kit



**RENEWABLE ENERGY**

Solar Training System  
 Wind Power Trainer, Fuel Cell Trainer  
 Hydrogen Fuel Cell Training System  
 Smart Grid (Solar/Wind/Fuel Cell) Trainer

**FURNACES & OVENS**

Horizontal Furnaces  
 Vertical Furnaces  
 General Purpose Chamber Furnace  
 High Vacuum Tube Furnace  
 Rapid Heating Chamber Furnace  
 Rotary Reactor Tube Furnace  
 General Purpose Ovens  
 Industrial Ovens, Clean Room Oven

**TEXTILE**

Textile Testing Equipments  
 [for Ginning, Spinning, Blending, Knitting]  
 Strength Tester, Yarn Dyeing  
 Water Repellency Tester, Crock meter  
 Extensio meter, Flammability Tester  
 Magnetic Stirrer, Viscometer  
 Torsion testing equipment

High Pressure Autoclaves  
 Continuous Stirred Tank Reactor  
 Multiple Autoclaves – Fully Automated  
 Petrochemical Flow Reactor (PFR)  
 Heating-Cooling Bath Circulator  
 Microwaveable Acid Digestion Bombs  
**and more .....**

