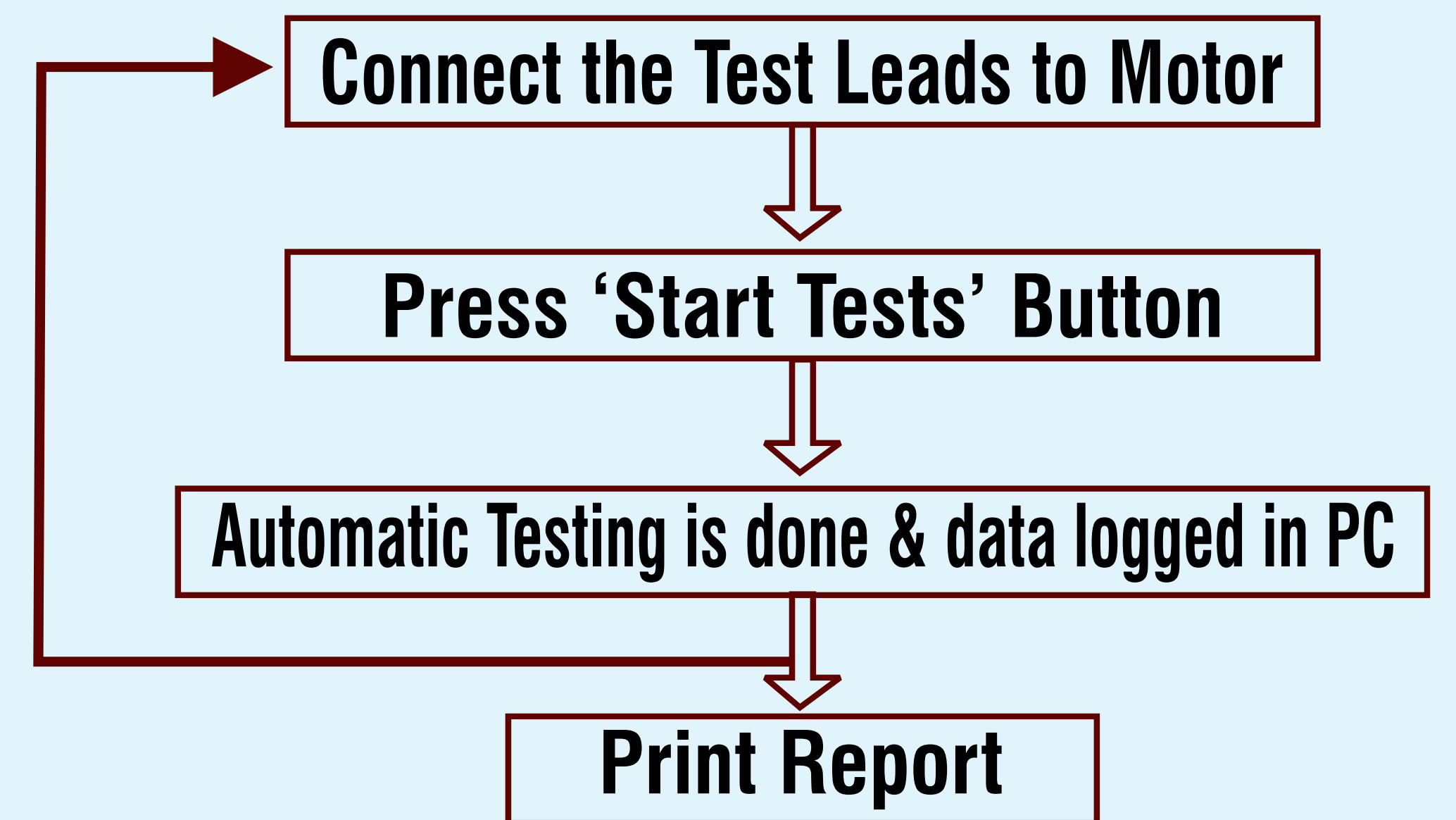


Motor Auto Test (MAT) is a fully integrated test suite for testing of 1/3 phase AC & DC Motors of all ratings.

Chirab Provides

- Routine Tests setup
- Type Tests setup with Regenerative method
- Type Tests setup with Dynamometer
- Customized Motor Test setup

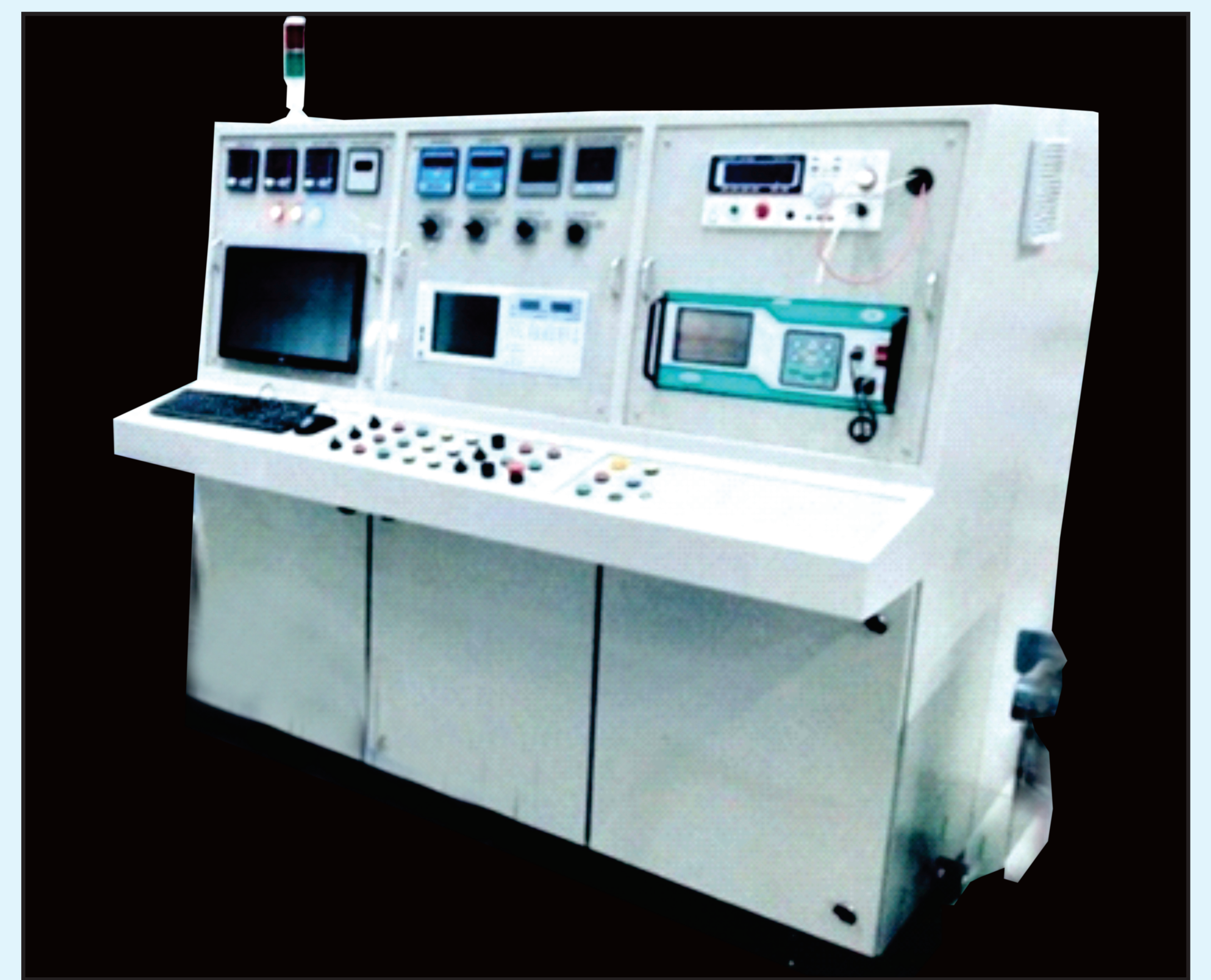


Tests covered by "Motor Test Bro" software

Routine Tests			
1	Resistance & Inductance	2	Locked Rotor
3	Insulation Resistance	4	High Voltage
5	No load	6	Reduced Voltage
Type Tests			
7	Winding Resistance (Hot)	8	Load Curve Tests
9	Efficiency Test	10	Friction and Windage
11	Temperature Rise	12	Momentary Overload
13	Over Speed Test	14	Surge Test
15	Noise level Test	16	Vibration Test
17	Core Loss Test	18	Growler Test
19	Starting, Pull Up, Break - Down, Running & Full Load Torque		

Graphs drawn by "MTBro" Software

- Output Power Vs Efficiency
- Output Power Vs Speed
- Current Vs Voltage (Magnetization Curve)
- V² Vs Power
- Torque & Current Vs Speed
- Temperature Rise Graph



Benefits of MAT

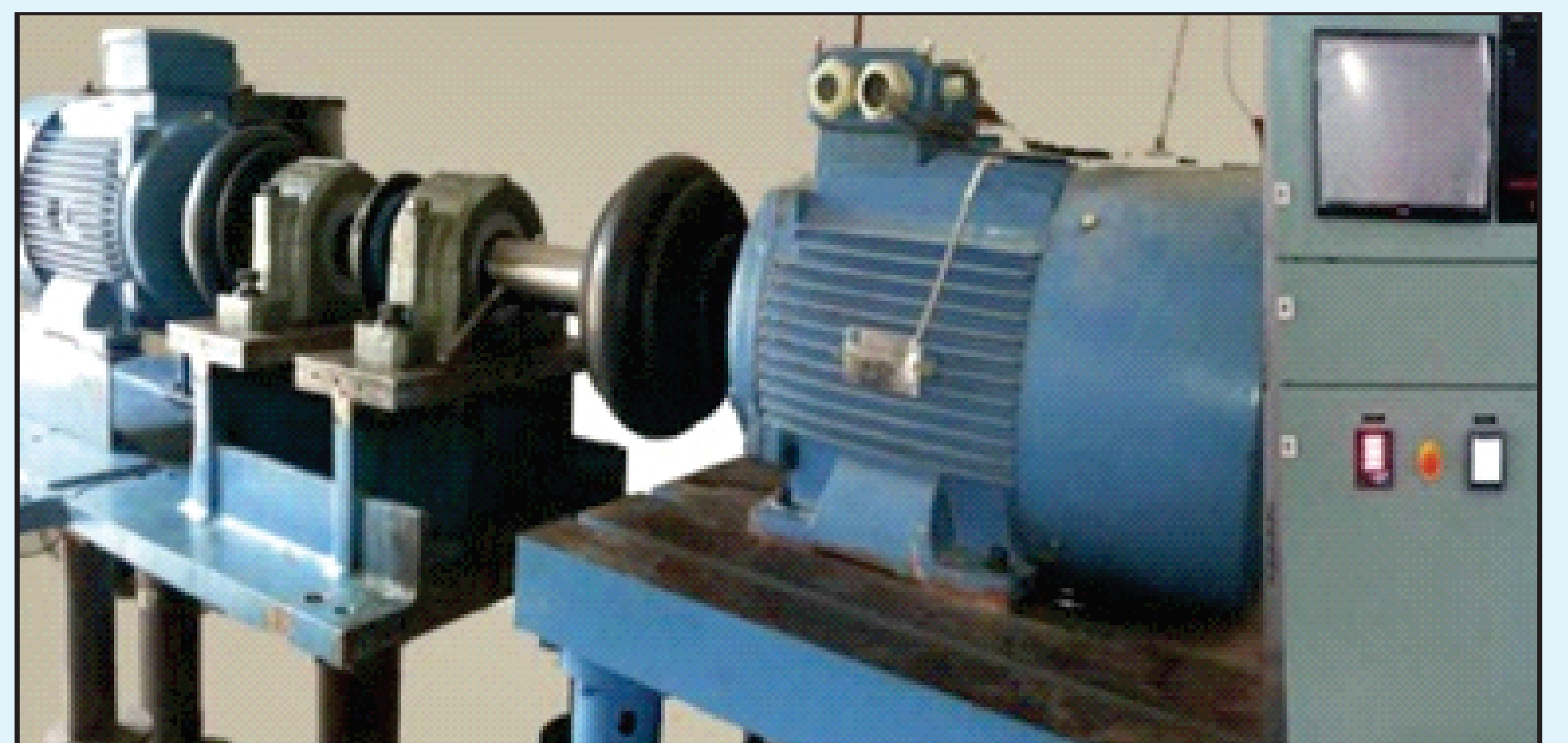
- 1) Cost effective with significant energy savings.
- 2) Automated data acquisition ensures error-free data logging.
- 3) Easy to store and retrieve data with simple but intuitive graphical user interface.
- 4) Enhanced testing accuracy & productivity, reducing test preparation time, testing process time and report generation time.
- 5) Reduced cable connection time.

MAT suite consists of

Test bench	Motor Test Bro-an interface and reporting software
Test Instruments & Sensors	Frequency Converter
Variac	Tapping / Booster transformer
HV Tester	Barcode Printer & Scanner
Name Plate Punching Machine	Rotor Locking Mechanism

Test Instruments & Sensors Covered in MAT

Resistance Meter	Temperature Sensor
Inductance Meter	Vibration Sensor
Insulation Meter	Torque Sensor
Power Meter	Speed Sensor
Noise Level Meter	



Motor Auto Test Labs used by many World-wide

Global Leaders for setting up Integrated & Automated Test Laboratories for Transformers & Motors and Transformer Design Software