



COMPANY PROFILE 2026

Super Scientific Instruments

Scientific equipment and laboratory solutions for research, education and industry

Bhopal, India
Supporting customers across India

kavish.maheshwari@superscientificinstruments.in



SSI at a Glance

Scientific instruments, research consumables and laboratory systems

SSI supplies laboratory equipment and technical solutions for academic institutions, research laboratories and industrial customers.

We help customers select products around their application, operating ranges and project requirements.

Customers and applications

Universities and teaching laboratories
Research and government organizations
Industrial testing and development

Electrochemistry & Hydrogen

Cells, electrolyzers, fuel cells and consumables

Battery & EV Systems

Cell preparation, assembly, cycling and training

Test, Measurement & Power

Bench instruments and programmable power systems

RF & Communications

RF measurement, microwave and communication labs

Materials & Semiconductor

Characterization, thermal and vacuum equipment

Education & Integration

Workbenches, trainers and laboratory configurations

Electrochemistry & Hydrogen

Equipment and materials for electrochemical research and energy development

Research Cells & In-situ Systems

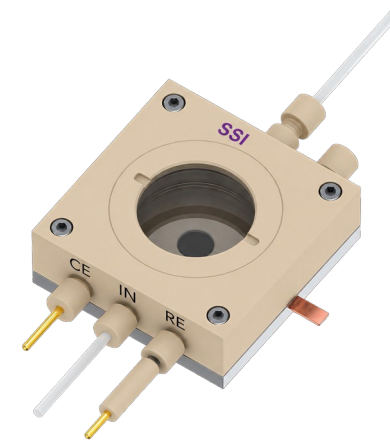
Flow, gas-diffusion, MEA and optical cells.
Raman, FTIR and XRD configurations.
Electrochemical workstations and accessories.

Electrolyzers & Fuel Cells

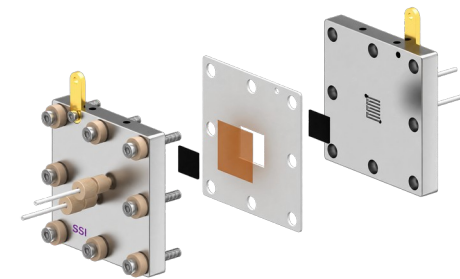
PEM, AEM and alkaline electrolyzers.
CO₂ electrolysis systems, fuel cells and stacks.
Hydrogen systems for research and demonstration.

Materials & Consumables

Membranes, ionomers and catalysts.
Reference electrodes, carbon cloth, nickel felt
and foam, GDLs and MEA components.



In-situ Raman cell



MEA electrolysis cell

Battery Development & Testing

Equipment for coin, pouch and cylindrical cell research



Coin-cell crimping



Pouch-cell stacking



Cylindrical winding



Battery cycling

Electrode Preparation

Mixing and film coating.
Calendering, vacuum drying.
Electrode cutting and dosing.
Glovebox assembly options.

Cell Assembly

Coin, pouch and cylindrical.
Winding, stacking, welding.
Filling and vacuum sealing.
Format-specific cell tooling.

Formation & Cycling

8-channel cycler options:
5 V / 20 mA and 5 V / 12 A.
Capacity and cycle-life tests.
Cell formation and grading.

Test, Measurement & Power

Instruments for electronics, power conversion and automated testing



Bench Instruments

Oscilloscopes, digital multimeters, waveform generators and power analyzers. 12-bit scope families: 70 MHz to 1 GHz. Additional bandwidth options by series.

Accessories: probes, clips, panel connections, adapters and calibration products

Representative ranges vary by model and configuration.



Programmable Power & Loads

DC / AC sources and electronic loads. Battery simulators and current sensing. Programmable DC source families from 1.5 kW to 300 kW.

RF, Microwave & Communications

Measurement platforms and laboratory configurations for RF applications



Spectrum & Signal Analysis

Selected platforms cover 2 Hz to 50 GHz.

Vector Network Analysis

Model configurations to 110 GHz.
S-parameter and component characterization.



RF Signal Generation

Frequency options to 40 GHz.

Specialized Measurement

Power meters, sensors, noise figure,
field analysis and calibration accessories.

Materials, Thermal & Semiconductor

Equipment for sample characterization and controlled laboratory conditions



Probe Station

Electrical Characterization

Probe stations, four-probe setups, dielectric fixtures and resistivity measurement configurations.

Thermal & Vacuum

Vacuum ovens and gloveboxes. Furnaces, vacuum chambers and research accessories.

Semiconductor Labs

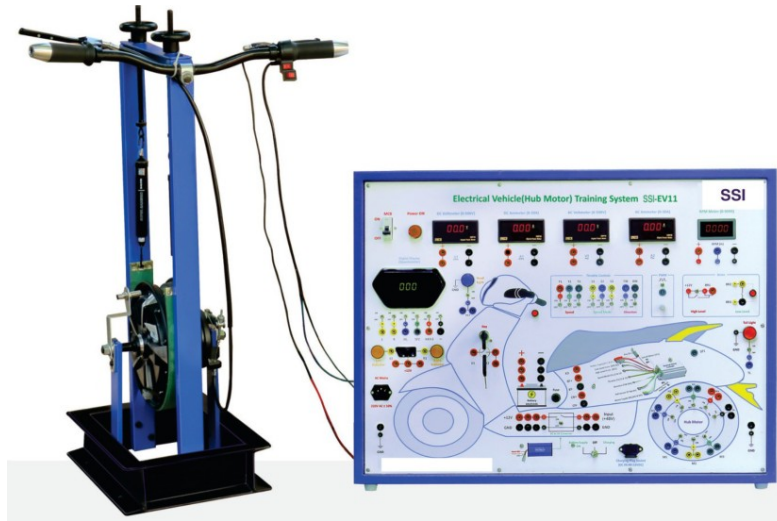
Device testing and learning systems for semiconductor and materials research laboratories.



Vacuum Oven

EV, Renewable Energy & Training

Teaching and research systems for electrical mobility and energy laboratories



EV & Motor Training

Motor and drive trainers, battery management, battery characteristics, regenerative braking and CAN analysis.



Renewable Energy

Solar, wind and hybrid-energy trainers. PV I-V / P-V characterization. Hydrogen and fuel-cell demonstrations.

Also available: electronics, 5G, SDR, IoT, robotics and earth-science training systems

Engineering & Laboratory Integration

Equipment selection, customization and coordinated laboratory requirements

Application & Configuration

Equipment selection around voltage, current, power, channels, sample size and required accessories.

Test Benches & Automation

Automated testing, data acquisition and control panels. Remote monitoring, embedded interfaces and application-specific integration.

Laboratory Planning

Workbenches and experiment-oriented systems. Combined equipment requirements for teaching, research and industrial development.



Robotics Learning Workbench

Contact SSI

Scientific equipment and laboratory solutions



Super Scientific Instruments

Kavish Maheshwari

EMAIL

kavish.maheshwari@superscientificinstruments.in

PHONE

[+91 78369 83884](tel:+917836983884)

Bhopal, Madhya Pradesh, India

Share your application, specifications and required quantities.