TECH INC™

Company Profile

Laboratory, pilot and skid-mounted systems for membrane research, oil and gas, sampling and analysis. Designed to your process data, built in our own facilities and factory-tested before dispatch.



Part of an engineering group founded in 1990 · Vaughan · Chennai · Tallinn · Al Khobar
mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

Who we are

Tech Inc. is the research and process equipment company of an engineering group founded in 1990. We design, build and factory-test the machines that make and test membranes, the instruments that characterise porous materials, and the skid-mounted systems that sample, analyse, inject, control and condition process fluids in oil and gas, power and chemical plants.

1990
group founded

110+
countries exported to

400+
products in more than 60 ranges

4
offices: Canada, India, Estonia, Saudi Arabia

What sets us apart

- **Everything under one roof:** mechanical fabrication, electrical works, PLC and SCADA automation and R&D in our own facilities.
- **Complete scope:** design, supply, installation, commissioning, factory acceptance testing (FAT) and site acceptance testing (SAT).
- **Engineered to your specification:** drawings to your P&ID, data sheets and company standards, approved before manufacture.
- **From bench to plant:** the same team builds laboratory, pilot and production-scale equipment.

Credentials

- Established supplier to Saudi Aramco; equipment supplied to national oil companies and refineries.
- Trusted by universities and R&D laboratories in North America, Europe, the Middle East and Asia.
- Management systems certified to ISO 9001, ISO 14001 and ISO 45001, with CE marking.
- Directors are graduates of Stanford University and the University of Cincinnati.

Where we are

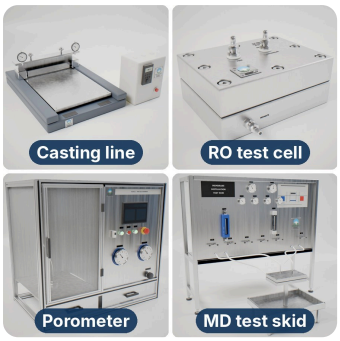
Vaughan, Ontario
Head office, Tech Inc International Corporation

Chennai, India
Manufacturing centre, Ambattur SIDCO Industrial Estate

Tallinn, Estonia
European office, VDT Europa

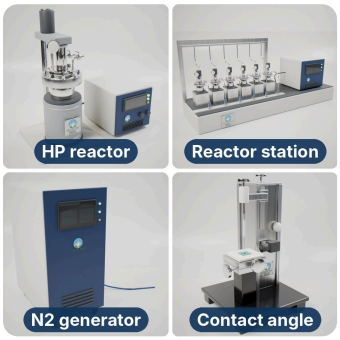
Al Khobar, Saudi Arabia
Gulf office

What we make



Membrane research equipment

Flat sheet and roll casting machines, hollow fibre spinning machines from laboratory to commercial lines, electrospinning, coating and module-making equipment; RO, NF, UF, MF, FO, MD, pervaporation and MBR testing systems from bench to pilot scale; crossflow, dead-end and stirred test cells; membranes, polymers, spacers and consumables.



Characterisation and laboratory instruments

Capillary flow porometers, porosimeters and permeameters; contact angle and membrane strength testers; BET surface area, chemisorption and pycnometry; core analysis instruments for reservoir laboratories; high-pressure reactors; laboratory gas generators; water quality and SDI instruments.



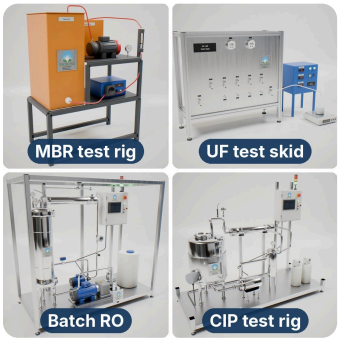
Oil and gas skid systems

Closed-loop and automatic sampling systems, analyser shelters and sample conditioning; chemical injection and metering skids; wellhead control panels, ESD and HIPPS; hydraulic power and pressure test units; gas conditioning, separation and produced water packages; lubrication stations; high-pressure gas and SF6 handling equipment.



Process, pharma and new energy

Pharmaceutical purified water, WFI and pure steam skids; battery recycling pilot lines; liquid-cooling service equipment for data centres and battery storage; biogas upgrading and CO2 recovery skids; pilot plants and process skids built to your duty.



Contract testing

Porometry, porosimetry, permeability, BET surface area, contact angle, flux and rejection, molecular weight cut-off, tensile, filter integrity, barrier (WVTR and OTR), burst pressure and core analysis tests on the instruments we build.

Customers and research

Our equipment runs in university laboratories, national laboratories, refineries and process plants. Published research made with Tech Inc. equipment includes work from:

Installed systems

- Clarkson University, USA: pilot hollow fibre spinning machine
- University of Texas Permian Basin, USA: flat sheet casting machine
- KFUPM, Saudi Arabia, and Los Alamos National Laboratory, USA: roll casting machines
- NIT Agartala, India: membrane distillation test skid
- Indian Institutes of Technology and CSIR laboratories

Peer-reviewed papers using our equipment

- University of Technology Sydney with IIT Guwahati: AL-500 porometer (Membranes, 2022 and 2023)
- West Pomeranian University of Technology, Szczecin: capillary PTFE membranes (Membranes, 2023)
- BITS Pilani: nanofiltration membranes and polysulfone (Scientific Reports, RSC Advances, 2025)
- CIPET, UTAR and UTP, VIT: membrane casting machines (2021 to 2024)
- SRM Institute and SVCE: hollow fibre contactor and cellulose acetate membranes

Full list: techincresearch.com/post/research-using-tech-inc-equipment

How a project runs

1
Your process data and specification

2
P&ID, GA drawing and datasheet for approval

3
Manufacture and factory acceptance test

4
Delivery, commissioning, training and support

Contact

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com
Send your process data or specification for a datasheet, drawing and quotation.

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