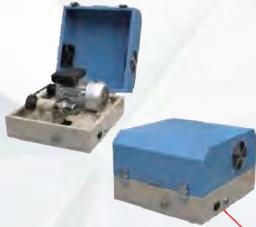


Set Up a Battery or Capacitor Research Lab at affordable cost

MTI provides total solution for research of new generation rechargeable battery, super fast capacitor and energy storage material. We supply whole line of desk-top lab machines from electrode coating, coin cell comprising to battery analysis. You can set up a research lab in one room under \$20K budget.



High speed ball mill for chemical preparation.
Gas controlled tube furnace for Calcining & Sintering



New chemical phase analysis by Mini XRD



Tape casting and roller pressing to preparing electrode film



Electrode disc cutter and coin cell crimping in glove



Test of coin cell and split coin cell with computerized precision battery analyzer (0.002 mA – 3000 mA)

Set Up a Battery or Capacitor Research Lab at affordable cost

MTI provides many different kinds of battery research consumables like electrode powder, binder, separator, electrolyte and battery case with total datasheets for Li-ion battery.

Li-ion Electrode Powder



Cathode: LiCoO_2 , LiFePO_4 , LiMn_2O_4

Anode: CMS Graphite, $\text{Li}_4\text{Ti}_5\text{O}_{12}$

Binder and Substrate/Current Collector



PVDF for Cathode and SBR for Anode



15 μm Al for Cathode and 9 μm Cu for Anode

Single/Double Side Coated Li-ion Battery Electrode



0.1-0.2 mm thickness Cathode LiCoO_2 , LiFePO_4



15 μm Al for Cathode and 9 μm Cu for Anode

Separator and Electrolyte



20 μm thickness Polyethylene



LiPF_6 dissolved in EC+DMC+DEC

Battery Case



CR 1220/2016/2032/2450
Spring & Spacer
Coin Cell Holder



18650 Cylinder Case



Polymer Case Foil