



Laboratory Scale Pouch Cell Line in ONE Glove Box

Slurry Vacuum Mixing

Compact Dual-Shaft Planetary Vacuum Mixer with a 150 mL Container – [MSK-SFM-16](#)



Coating and Drying

Compact Tape Casting Coater with Bottom Heating Vacuum Chuck and Adjustable Film Applicator
[MSK-AFA-III-UL](#)



Calendaring and Pressing

4" Width Electric Hot Rolling Press with Variable Speed up to 100°C – [MSK-HRP-01](#) (NRTL Ready & Argon Gas Compatible)



Pouch Case (Consumables)

Formed Pouch Cell Case; 62 x 45 x 5(thickness) mm; 50 pcs/bag – [EQ-PLiB-54560](#)





Laboratory Scale Pouch Cell Line in ONE Glove Box

Electrode Die Cutting

Compact & Precision Pneumatic Die Cutter with A Pair Die Set for Pouch Battery Research – [MSK-180S](#)



Ultrasonic Welding

Desk-Top 800W Ultrasonic Metal Welder (Tabbing) with Touch-Screen Digital Controller, 40KHz - [MSK-800W-AR-110V](#)



Electrode Stacking

Manual Stacking Machine for Layer by Layer Pouch Cell – [MSK-111A](#)



Electrolyte Injection

Automatic Digital Bottle top Dispenser with 32oz Boston Round Glass Bottle for 0 – 50 mL Electrolyte Liquid – [BD-50ML-LD](#)



Vacuum Sealing

Compact Vacuum Sealer with Integrated Temperature and Pressure Control in One Unit for Pouch Battery – [MSK-115A-S](#)





Laboratory Scale Pouch Cell Line in ONE Glove Box

Heating Sealing

Compact Heating Sealer for Sealing
Laminated Aluminum Case of
Pouch Cells –
[MSK-140](#)



Glove Box

Triple Chambers Glove Box (140" x
32" x 36") with Gas Purification
System (H₂O & O₂ < 1 ppm) and
Mid Openable Front Window –
[EQ-VGB-11](#)



On-Site Training

Time Frame: One Business Day
By Appointment
Location: [MTI Corporation](#);
Richmond, CA

Content:
1. Battery Safety Lecture;
2. Equipment Training;
3. Lab Tour

Estimated Total Cost

~\$150,000.00

Estimated Total Power Consumption

8 kW ~ 10 kW

**Recommended: 2 people lab; Total 12 hours of work
20 ~ 40 Ah Daily Yield Capacity**