



## 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](#)





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### 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

Semi-Auto Stacking Machine for Pouch Cell Electrodes - [MSK-111A-L](#)



### 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](#)





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### 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 (H<sub>2</sub>O & O<sub>2</sub> < 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**