



Mid End & Laboratory Pouch Cell Production Line


Battery Material Sintering

Description	Listing Price
UL Standard 1200° C Split Tube Furnace with Vacuum Flanges and 80mm Quartz Tube – OTF-1200X-UL	


Ball Milling

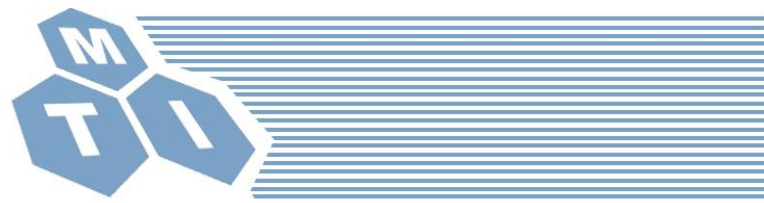
High Speed Vibrating Ball Mill with 2 Jars 80 mL SS and Nylon 2 Years Warranty – MSK-SFM-3	
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Slurry Vacuum Mixing

Compact Dual-Shaft Planetary Vacuum Mixer with one 150 mL container – MSK-SFM-16	
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Coating and Drying

Compact Tape Casting Film Coater with Dryer, Vacuum Chuck & Adjustable Film Applicator 110 V - MSK-AFA-III-VP110	
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Calendaring and Pressing

Description	Listing Price
8" Dia. x 10" Width Hot Rolling Press with Dual Micrometer up to 80°C with Variable Speed - MSK-HRP-03	 CE


Edge Slitting

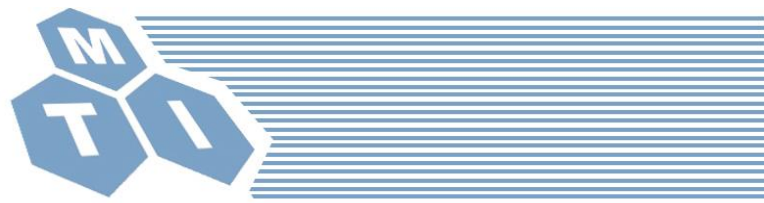
Semi-Automatic Slitting Machine for Electrodes of Cylinder Battery – MSK-CS-300	
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Drying

UL Standard 53 Liters 250° C Vacuum Oven 16"x 13"x14" with Programmable Controller - EQ-DZF-6050-UL	 CE
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Pouch Case Forming (Optional)

Pouch Cell Case/Cup Forming Machine for Aluminum-Laminated Films with Optional Die - MSK-120	 CE
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Electrode Die Cutting

Description	Listing Price
Compact Pneumatic Electrode Die Cutter for Pouch Cell – MSK-180S	


Ultrasonic Welding

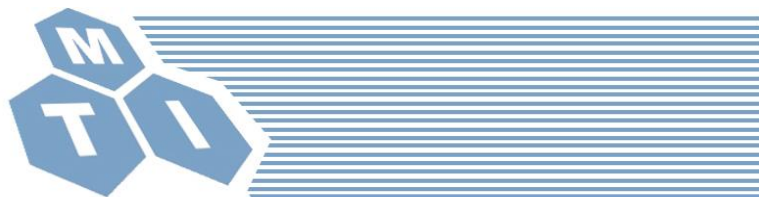
Desk-Top 800W Ultrasonic Metal Welder (Tabbing) with Touch-Screen Digital Controller, 40KHz - MSK-800W	
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Electrode Stacking

Semi-Auto Stacking Machine for Pouch Cell Electrodes – MSK-111A-L	
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Heat Sealing

Compact Heating Sealer for Sealing Laminated Aluminum Case of Pouch Cells 3.2 mm Sealing width- MSK-140	
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Electrolyte Injection

Automatic Digital Bottle Dispenser with one 32 Oz Glass Bottle for 0 – 50 mL Electrolyte – [BD-50ML-LD](#)



Vacuum Standing (Optional)

Electrolyte Diffusion & Degassing Chamber for Professional Li-on Battery Research - [MSK-170](#)



Vacuum Sealing

Compact Vacuum Sealer with Integrated Sealing Temperature and Pressure Control – [MSK-115A-S](#)



Glove Box

Glove Box with H₂O & O₂ Purification System and Openable Front Window – [EQ-VGB-60P-LD](#)



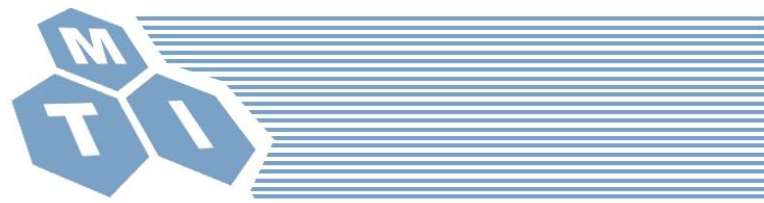
Cell Testing

Description

Listing Price

8 Channel Battery Analyzer (6 mA-3000 mA, up to 5V) with Adjustable Cell Holders and Laptop & Software – [BST8-3](#)





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Subtotal Cost for 17 equipment including Glove Box

~\$170,000.00

Crating Handling

TBD

Estimate LTL Freight (Truck) Shipping

TBD

On-site Training

TBD

Estimated Total Cost

~ \$190,000.00

Estimated Total Power Consumption for 17 equipment

~15 kW

**Estimated Total Room Space required for 17 equipment
(Glove Box: 80" x 40" x 75")**

1,800 Square Feet