

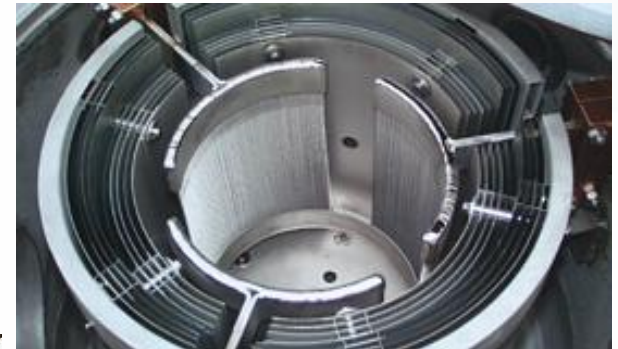
Manufacturing & Research Complex

- Manufacturing- Luoyang, PR China
 - 400,000 ft²
 - 250 people
 - Brand new- state of the art facility
 - Expanding at very rapid pace
 - New Tungsten facility initiated
- US Warehouse / Sales office
 - 14,000ft²
 - 10 people



Key Markets

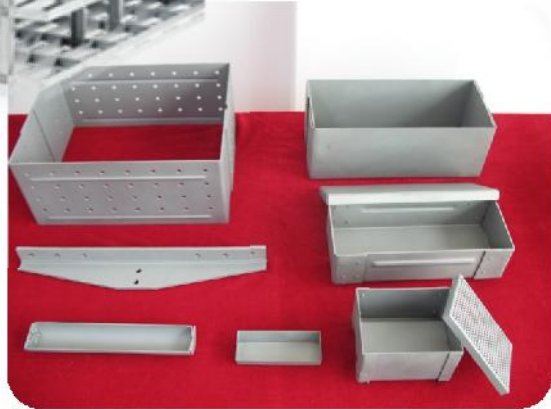
- Molybdenum
 - Solar- sputtering targets
 - Vacuum furnaces
 - Orthopedics
 - Crucibles, Evaporation boats
 - LED lighting
 - Electrodes, furnace equipment
 - Sapphire production
 - Aircraft
 - Clean Energy
 - Military
 - Nuclear Power
- Tungsten
 - Sputtering Targets
 - Crucibles
 - Furnace Equipment
 - Sapphire
 - Semi-Conductor



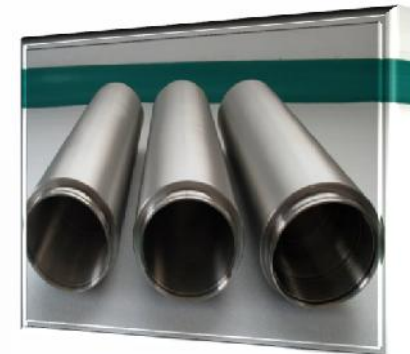
Diversified Customer Base - Long-Term Fortune 500 & Small Customer Base



Product Examples



Product Examples



Glass Melting Electrodes

- **Melting Point 2620 °C (4748 °F)**
- **Excellent creep resistance properties.**
- **Excellent corrosion resistance**
- **Good electrical conductivity and thermal conductivity**
- **Highest Purity**
- **Full grain structure control**
- **Coating Available**



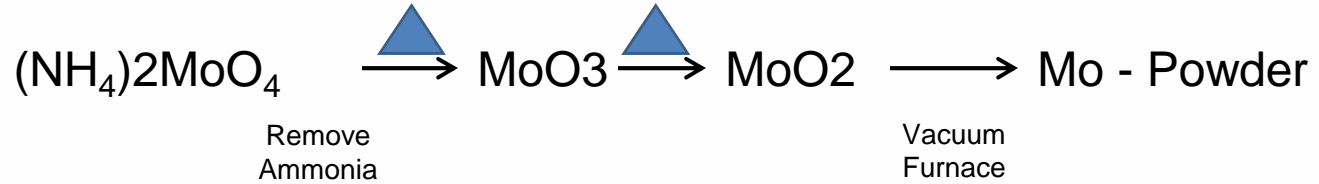
Molybdenum Bar Process / Production



Molybdenum Process Map

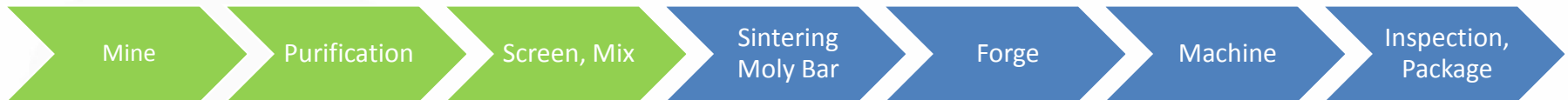


Purification: Multi-Step Process



Screen

Mix



Molybdenum Vacuum Furnace/ Forge

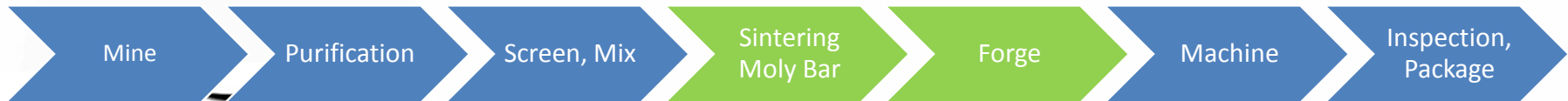
Note: For competitive Reasons, we do not show pictures of our top machines / equipment or processes.



Vacuum Furnaces



Hammer / Forge



Molybdenum Machining

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Mine

Purification

Screen, Mix

Sintering
Moly Bar

Forge

Machine

Inspection,
Package



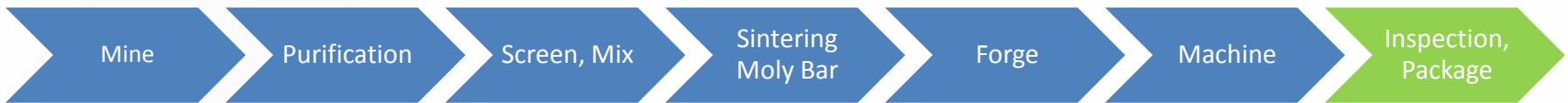
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Molybdenum CNC- Computer Numerical Controlled

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Inspection



Laboratory Equipment

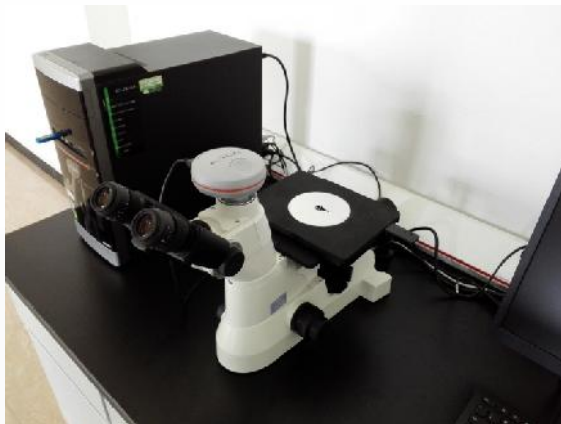
**JEOL Series Scanning
Electron Microscope**



**Atomic Absorption
Spectrometry**



Metallurgical Microscope



Universal Testing Machine



Laboratory Equipment

**Friend CMM Measurement /
3-axis Measurement**



Video Imager / Measurement



Tesa Hite "Height" Gauge



Roughness Tester

