



# Rigging, Moving & Crating

## *Factory Relocations*



**Experience that Delivers**

## **Built on Commitment**

MEI Rigging and Crating provides rigging, machinery moving, factory relocation and crating services for industrial and commercial clients. A division of MEI LLC, we've been in business since 1990 serving satisfied customers around the world. Our quality services provide:

- A single-minded customer-oriented service philosophy.
- End-to-End service coordination. MEI is a partner who will coordinate your moving, rigging, shipping and crating projects so you can focus on your core business.
- Experience that delivers. Our experience results in completion of your job with less stress and no surprises.
- Highly trained crews. MEI teams are trained to provide timeliness, attention to detail, superior service and safe work conditions.

## **MEI Rigging & Crating Services**

- Factory or Plant Relocations
  - Domestic or International
  - Complete Project Management
- End-to-End Service Coordination
  - Packing, Rigging, Shipping, Unpacking, Storage & Installation Coordination
  - Project Management through a Partnership Approach
- Industrial & Commercial Rigging
  - Presses, Lathes, Milling & Industrial Equipment
  - Packaging & Production Lines
  - Packing, Rigging, Skidding & Moving
  - Shipping Coordination
- Semiconductor/Microfabrication Equipment Moves
  - Trained Staff with Extensive Cleanroom & Semiconductor Equipment Experience
  - Installation/Removal Services—Wet or Dry
  - Using Specialized Equipment—Skidding, Air Skates, Cleanroom Dollies & Rol-A-Lifts
  - Vacuum Packing & Barrier Bag Capabilities Ensure Maximum Protection
- Cleanroom/Sensitive Environment Moves
  - Vibration, Moisture & Contaminant Sensitive Packing & Moving
  - Excellent Protection of Surrounding Facilities
  - Skills Applicable to Medical, Pharmaceutical, MEMS, Solar Fabrication & Other Clean Environments
- Custom Crating & Packaging
  - Wooden Crates Using Heat Treated Lumber
  - Built for Storage or Shipment by Land, Ocean or Air
  - Meets ASTM & Industry Standards
  - Desiccant, Foam & Shock Monitoring Options
  - Anti-static Bubble Wrap & Stretch Wrap Options
  - Option of US Government or Military Specifications

*At MEI our reputation is built upon our commitment to outstanding customer service.*

# Rigging, Moving & Factory Relocation Services

MEI Rigging & Crating has locations in Oregon, Texas, and Utah. Our experienced and well trained teams have a full inventory of specialized equipment for crating, moving or rigging your equipment. We move whole factories or single pieces of equipment across a wide range of industries. We work locally, nationally and internationally.



**Partnership Approach**

## Plant & Factory Relocations

MEI provides complete project management for factory and equipment moves. We partner with our clients to manage schedule, scope and logistics, and have successfully moved and installed billions of dollars worth of equipment. Great care and attention to detail are given to all of our project management assignments in order to best serve and meet the needs of our customers. Recent projects have included the closing and relocation of a one million square foot semiconductor plant with more than 470 tools over a period of six months, and a move-in and installation of a 300 millimeter semiconductor plant with more than 700 tools over 14 months.

## End-to-End Service Coordination

MEI has the experience and support services capable of providing a one-stop solution for coordinating your equipment moving needs whether your project involves just a local equipment move, or requires rigging, removal, crating, transportation or export shipping, unpacking and re-installation. In addition to rigging, hoisting, moving and crating services, we provide air, land, and ocean freight coordination; consolidation, loading, and forwarding services; storage facilitation; export documentation and shipping; ordering, blocking, and bracing of ocean containers; Dangerous Goods Declarations for IATA, ICAO, IMDG, and US DOT.



**Complete Project Management**



**Local, National & International**

## Industrial & Commercial Equipment Rigging & Moving

MEI has the equipment, experience and personnel capable of handling all of your industrial and commercial hoisting, rigging and machinery moving needs, including crane rental and transportation coordination. MEI has moved machine shop equipment involving CNC mills and lathes, relocated hydraulic presses, and moved complete manufacturing and packaging lines, including an 84,000 pound glass inspection line and a 38,000 pound pharmaceutical sterilizer.

## Custom Crating

MEI's crating team custom builds high quality wooden crates, protecting your product for one-time moves or repeated use. We crate and move industrial or commercial equipment, sensitive equipment, large displays, very heavy, large or challenging items, and much more. We prepare items and crate them—on location or at an MEI facility—for moving locally, nationally or internationally, by land, ocean or air. We use heat-treated lumber and our crates meet or exceed ASTM and industry standards, and can adhere to US Government or Military Specifications as needed.



**Highly Trained & Skilled Teams**



[www.meillc.com/rigging.asp](http://www.meillc.com/rigging.asp)

# Semiconductor Equipment Moving Services



**Semiconductor Equipment Moves**

## Semiconductor/Microfabrication Equipment Rigging & Moving

MEI has more than 18 years of experience in rigging, crating and installing semiconductor process equipment. We are experts in cleanroom and semiconductor equipment moves, and provide services for many of the top semiconductor, MEMS and medical device manufacturers. Our highly trained crews are aware of the contamination, vibration and condensation issues associated with micro-fabrication equipment, and have the specialized crate designs and equipment including cushioned decks, air skates, cleanroom dollies and Rol-A-Lifts to safely and securely handle sensitive machinery.

## Cleanroom/Sensitive Environment Rigging & Installation

MEI Rigging and Crating's teams are trained and experienced in all of the cleanroom specialized services and protocols including contamination, safety, ergonomics, tool/materials cleanliness and hazards/emergency procedures. We provide excellent protection of surrounding facilities during a move. Additional services for cleanroom equipment relocations include custom pedestal and seismic anchors (restraints) manufacture and installation, and raised metal floor fitting and installation services.



**Cleanroom Rigging & Installations**



**Maximum Protection**

## Semiconductor Equipment Crating

MEI's custom crates for semiconductor equipment are built on-site to protect your equipment. All crates are built using heat-treated lumber. Optional vacuum packing is cleanroom compatible and reduces contamination. Barrier bag options ensure maximum protection from dust and moisture/humidity levels. We also have desiccant, anti-static bubble wrap and stretch wrap, foam packing, and tilt and shock monitoring options. We have prepared and crated entire fabs of more than 700 tools for domestic and international shipments.

## On-Site Services/Facilities Outsourcing

Put our team on your site. MEI offers cost-effective facilities outsource services to enhance the use and productivity of your assets. MEI will locate an appropriate team on your site to be on call to handle your facilities moving, coordinating and/or logistics needs. Whether we are simply supplying rigging resources or managing your complete equipment furnishings and logistics program, we deliver commitment-based service to semiconductor, commercial and industrial clients.



**Commitment-based Service**



[www.meillc.com/rigging.asp](http://www.meillc.com/rigging.asp)



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## Our Business Philosophy

*Quality employees working in partnership with demanding customers*

MEI's success is defined by the quality of its employees. To achieve our mission requires employees who are skilled, versatile and extremely hard working. Add to those qualities professionalism and integrity, and you have a description of the typical MEI associate. Every MEI employee knows that customer service is our number one priority. Our division heads have a combined 100 years of experience in the semiconductor manufacturing equipment industry, and 50 years with MEI. This leadership and experience result in the delivery of top quality equipment and service that will exceed your expectations.

Our success relies on our ability to build effective partnerships with our customers. End-to-end service management, planning, and quality execution result in a job well done. Our company is built on commitment, and we deliver.

*Experience that delivers. Less stress. No hassles.*

### MEI Products & Services

MEI Semiconductor Equipment Solutions group provides custom equipment and services for semiconductor and high technology manufacturers, including:

- Wet Process Systems
- Chemical Delivery & Handling Systems
- Automation Software
- Used Semiconductor Systems Reconditioning
- Cleanroom Safety & Ergonomic Equipment
- Field Repair & Service

### Range of Experience

From our locations in Oregon, Texas, Utah and Southern California we provide crating, moving and rigging services for a wide variety of jobs, including moving specialized theme park equipment, assembly systems, medical equipment, industrial equipment, air conditioning units, very large screen displays, foundry equipment, sculptures, air handlers, injection mold machinery, manufacturing or process equipment, material handling systems, large laboratory equipment, and more.

### Customer Praise for MEI Rigging & Crating

*... the job was completed above my expectations and faster than I thought possible. At all times they were neat and worked safely. I was very impressed with the crew you assigned to work for us. They acted as one team and displayed very professional attitudes the entire time.*

—November 2007

*Each PVD install has gone well and they all started with a safe, timely move-in/assembly. I have had both PVD tool vendors comment to me on how much they appreciated the work that the MEI team performed.*

—July 2007