



GREATER PORTLAND

# METALS & MACHINERY



Greater Portland is a manufacturing leader with extensive expertise in metals, machinery and advanced materials. The region is home to firms that manufacture highly specialized products, including Freightliner from Daimler Trucks, combat crafts and cargo ships from Vigor Industrial and aerospace parts from Boeing.

## Our industry strengths



### UNIQUELY SKILLED WORKFORCE

Greater Portland is home to a sophisticated advanced manufacturing industry base. Our workforce learns first-hand at institutions like the **Oregon Manufacturing Innovation Center**. And **150 area companies partner with four universities to offer internships** through the region's two engineering co-op programs.



### LOW ENERGY COSTS

Washington and Oregon are ranked **No. 1 and No. 3, respectively, for lowest energy costs** in the U.S. This was a key factor in De Beers' decision to expand in Greater Portland. Its subsidiary, Element Six, now makes lab-grown diamonds in Gresham, just east of Portland.



### PREMIER SHIPPING ACCESS

The region is home to four ports, including deep-water ports in Portland and Vancouver, which handle **30+ million tons of cargo a year**.

## KEY PORTLAND METRO EMPLOYERS \*Denotes headquarters

		DAIMLER			
Employees:	2,500*	2,159*	1,500	1,500*	1,299*

## REGIONAL INDUSTRY HIGHLIGHTS

22,600

Employees

574

Establishments

4x industry

Greater Portland's industry concentration is 4x the national average.

2x talent

In the last five years, our civil engineering and structural iron and steel workforce has grown more than 2x the national rate.

1.5x workers

Greater Portland has 1.5x the concentration of CNC tool operators, metal fabricators and sheet metal workers.



# METALS & MACHINERY ECOSYSTEM

## Industry Clusters

### MACHINERY MANUFACTURING

- Balzer Pacific Equipment Co
- Blount International
- Columbia Steel Casting Co
- Cornell Pump Co
- Ebara Technologies
- ICC Northwest
- Micropump
- Pacific Machinery & Tool Steel
- Pierce Pacific Mfg
- Rockmore International
- Rogers Machinery Co
- Skutt Ceramics
- Stanley Hydraulic Tools
- Western Integrated Tech

### IRON + STEEL MANUFACTURING

- Alaskan Copper & Brass Co.
- Northwest Pipe Co.
- Sapa Extrusions
- Schnitzer Steel

### PLASTICS + POLYMERS

- Apex Industries
- Cascade Window
- Kaso Plastics

### FABRICATED METALS & PRODUCTS

- Consolidated Metco
- Eagle Foundry Co
- Evraz North America
- Farwest Steel Reinforcing
- Fought & Co
- The Greenbrier Companies
- H W Metal Products
- Maiden Foundry
- Marks Metal Technology
- McGuire Bearing Co
- P & A Metal Fab
- Pella Vinyl Portland
- Precision Castparts Corp
- Thompson Metal Fab
- Transco Industries
- Triax Metal Products
- US Metal Works

### MOTOR VEHICLE, AIRCRAFT, SHIP MANUFACTURING

- Astronics PECO
- The Boeing Company  
Daimler Trucks North America
- Temco Metal Products
- Vigor Industrial

### LIGHT METALS, COMPOSITES, DRAWING, EXTRUDING

- A-Dec
- Aalign Thortex
- Bodycote IMT
- Columbia Machine
- Davis Tool
- Element Six
- ESCO Corp
- Helser Industries
- Oregon Iron Works
- Pentagon EMS
- Pioneer Metal Finishing
- Portland Bolt & Mfg Co
- SAPA Anodizing
- Treske Precision Machining

### SAW BLADE + HANDTOOL MANUFACTURING

- Benchmade
- Carter Cutlery
- COAST Products
- CRKT
- Gerber
- Kershaw
- Leatherman Tool Group
- Oregon Tool
- William Henry

## LEADER IN SHIPBUILDING



*Vigor repairs and builds ships for government and commercial customers and are experts in complex fabrication, including aerospace, nuclear products, clean energy tech and military craft.*

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