

# Precision Machining in Western Massachusetts

## The Western Massachusetts Business Advantage

**Everything is closer than you think-** One hour to Boston and Albany; Three hours to New York City; Thirty minutes to Hartford

**Market Access-** Home to Bradley International Airport, (now offering non-stop daily service to Amsterdam's Schiphol Airport) and Westover Metropolitan Airport, home of Skybus Airlines; Central location in U.S. Northeast Region; Abundant rail and freight services; Superb highway connectivity

**Knowledge Corridor-** The Hartford-Springfield region, known as the "Knowledge Corridor" is the home of 29 colleges and universities and 100,000 higher education students, creating one of the nation's best-educated workforces

Among these schools are prestigious and world-renowned institutions including the University of Massachusetts, Smith, Mount Holyoke and Amherst Colleges

Western Massachusetts is home to 230 precision machining companies with more than 7,700 employees. These companies perform high mix, low volume, highly engineered precision machining of components and assemblies for major commercial manufacturers, aircraft engine builders and military equipment contractors across the globe.

This cluster's presence in the Hartford-Springfield Knowledge Corridor has resulted in new orders flowing down the supply chain from large aviation companies such as Pratt & Whitney, Hamilton Sundstrand and Sikorsky.

The region's precision machining companies have adopted new technologies to increase productivity and competitiveness as suppliers. These businesses also have the available infrastructure, equipment, and employee skills sets needed to commercialize projects now being designed and developed for markets such as alternative energy, bio-technology, clean technology and medical devices.

The Western Massachusetts Chapter of the National Tooling and Machining Association (WMNTMA) and its more than 60 member-companies are committed to developing new technology, providing applications engineering support, implementing sustainable workforce development strategies, enhancing employee skills and developing business partnerships.

A dense concentration of companies, industry networks and academic support programs enhance the precision machining environment in Western Massachusetts in which manufacturers are united in working for innovation, new technologies and partnerships.



*The Economic Development Council  
Of Western Massachusetts*

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**[www.westernmassedc.com](http://www.westernmassedc.com)**

# Precision Machining Companies and Resources

## Companies

**Advance Manufacturing** is a leader in precision machining specializing in highly critical, close tolerance work for the aerospace, defense, semi-conductor and power generation industries.

[www.advancemfg.com](http://www.advancemfg.com)

**Advance Welding** offers high quality welding, brazing and fabricating services to the medical, military and defense, aerospace and power generation industries.

[www.theperfectweld.com](http://www.theperfectweld.com)

**Berkshire Industries** is a job shop specializing in the machining of complex parts for the Aerospace and Defense Industries.

[www.berkshireindustries.com](http://www.berkshireindustries.com)

**Hayden Corporation** provides a wide selection of thermal spray coating, hardfacing and laser cladding services with a full-service metallurgical laboratory and an experienced engineering staff.

[www.haydencorp.com](http://www.haydencorp.com)

**Hoppe Tool, Inc.** supplies mechanical components and assemblies to major commercial manufacturers, aircraft engine builders and military equipment contractors in the United States and internationally.

[www.hoppetool.com](http://www.hoppetool.com)

**Mitchell Machine** designs and builds special machinery and processing equipment, focusing in precision sub-contract machining, fabrication, assembly, robotic integration, project management, automation, process equipment, control systems and turn-key solutions.

[www.mitchellmachine.com](http://www.mitchellmachine.com)

**Peerless Precision, Inc.**, an AS9100 and ISO9001 certified company, is a full-service, one-stop, high precision, machine shop. The company provides grinding (JIG, ID, OD), assembly, lapping (round & flat), turning (CNC & manual), milling (4 & 5-Axis CNC & manual) and project management for the aerospace, high technology and defense markets.

[www.peerlessprecision.com](http://www.peerlessprecision.com)

**Tell Tool, Inc.** manufactures aircraft and spacecraft parts, from small components to complex machined castings, forgings and wrought material.

[www.telltool.com](http://www.telltool.com)

**WGI, Inc.** is a leading international supplier of medical, commercial and military precision parts.

[www.wgi.us](http://www.wgi.us)

## Industry Resources

**The Materials and Manufacturing Technology Network**, led by the Regional Technology Corporation (RTC), brings together companies and academic institutions with areas of common interest including manufacturing, environmental and technology commercialization issues. The main goal of uniting these approximately 50 members (companies and individuals) is to increase business opportunities and competitiveness by promoting complementary resources and shared technologies.

**The Western Massachusetts Chapter of the National Tooling and Machining Association** is a formal alliance of more than 60 member companies, united to promote the precision machining industry, provide critical business intelligence to members. This group's main focuses are in public policy as well as the development of education, workforce, industry and membership.

## Educational Institutions

Western Massachusetts public schools offer a Machine Tool Technology Program for high school students in five districts. Upon completion, students have obtained the skills required to set-up and operate manual and CNC equipment, interpret engineering drawings, and perform quality inspection processes.

Westfield Public School District

Holyoke Public School District

Pathfinder Regional Vocational-Technical High School

Chicopee Public School District

Northampton Public School District

Asnuntuck and Springfield Technical Community Colleges offer Manufacturing Technology (Asnuntuck) and Mechanical Engineering Technology (STCC) Associate degree and Certificate programs that prepare students for a myriad of careers in precision manufacturing.

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### **The Economic Development Council of Western Massachusetts**

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**The Economic Development Council of Western Massachusetts, along with its affiliated partner, the Regional Technology Corporation, supports the precision machining industry by providing a full range of business services including site selection for companies that want to locate or expand here, access to incentives and financing and networking to corporate or research partners.**