ADVANCED MANUFACTURING

Jobs in Demand
Advanced manufacturing firms make things that can’t be outsourced to China or other parts of the developing world. These firms use high technology and expensive raw materials to produce critical parts for the aerospace, medical, semiconductor, automotive, and electronics industries. Lots of different products are made in the Lakes Region, including ball bearings, flexible hose, and rigid tubing for commercial and military aircraft; plastic joints used in orthopedic surgery; and heat sinks for electronic equipment. Below are some of the jobs that will be available at manufacturing firms in the Lakes Region in the next few years. Visit ampednh.com for more information about this exciting field.

Entry Level Jobs

**Machine Operators** ($13.15/hour)
High school diploma and willingness to learn

**CNC* Machinist** ($12.00-$16.68/hour)
0-1 year of manufacturing experience, basic blueprint reading skills, basic understanding of measuring equipment

**Assembler** ($12.00-$16.68/hour)
3 months of manufacturing experience, basic blueprint reading skills, and knowledge of how to use measuring equipment

Mid-Level Jobs

**CNC* Machinist (2)** ($19.98 - $27.03/hour)
Manufacturing experience, ability to read complex blueprints and use a variety of measuring equipment

**CNC* Operators** ($19.50/hour)
2-3 years of manufacturing experience

**Machine Repair Technicians** ($20.00/hour)
3-5 years of experience in manufacturing, preferably related to machine maintenance and repair

INDUSTRY STATS
Belknap County

Average Earnings
$61,200

Jobs
2,310

Companies
85

Annual Openings in Production Jobs
100+

Fastest Growing Types of Manufacturing:

* Jobs Added Since 2003

- Computer Equipment: 110 jobs
- Machine Shops: 60 jobs
- Metal Working: 40 jobs
- Aerospace Products: 30 jobs
- Medical Equipment: 20 jobs

Sampling of Local Companies

- NH Ball Bearings
- Titeflex Aerospace
- Freudenberg NOK
- EFI
- EPTAM Plastics
- Aavid Thermalloy
- Scotia Technology

* CNC: Computer Numerical Control (Details on Page 2)
What are the most critical jobs that will be open in the next five years?

- CNC Machinists
- Research & Development
- Manufacturing Engineers
- Maintenance & Repair Technicians
- Machine Operators

Duties Include

Curious about what these in-demand jobs are like? Below is a quick summary of some of the typical duties associated with jobs in advanced manufacturing.

**CNC Machinist & Operator**
Applies expert knowledge of CNC machines to program, operate, and maintain automated equipment that cuts, bends, and folds metal or plastic into finished parts and is often involved with the design of new equipment.

**Assembler**
Assembles both finished products and parts using tools and machines.

**Maintenance & Repair Technician**
Keeps assembly lines moving and factory machinery operating by diagnosing problems and performing repairs on lifts, conveyers, and other manufacturing equipment.

**Manufacturing Engineers**
Part of the engineering field that deals with research and development of processes, machines, tools, and equipment that turn materials into new products. Develops cost-effective methods to produce high-quality goods efficiently.

**Production Supervisor**
Hands-on leadership role at manufacturing companies that plans and coordinates work activities and obtains resources to ensure the assembly operations deliver products that meet company standards.

**Research & Development Technician**
Performs laboratory tasks and experiments to make sure products are being manufactured in the most optimal way, assembles prototype devices, trouble shoots, and records data and observations.

**Computer Numerical Control (CNC)** is a manufacturing process for machining metal and plastic products using a computer program.

CNC machines perform functions such as precision drilling, tapping, cutting, and shaping raw materials into finished products or parts.