



**Product Design, Development, and Manufacturing
focused on you and your customers:**

AMSI offers a range of equipment and solutions to help you develop and design effective prototypes, scale up to production parts, and optimize manufacturing processes all at a price that is notably less than traditional shops. Our staff includes industry and educational professionals that have extensive experience in innovation, design, testing, and manufacturing. Improve your throughput by outsourcing your overcapacity work; think of us as extra shop capacity. Let us help you bring your idea to life or further your manufacturing success!

Additive Manufacturing

- Polymer: Stratasys Fortus 900 Build Volume: 36"x24"x36"
- Metal: XM200C Metal Powder-Bed Fusion 3D Printer

Subtractive Manufacturing

- 2 Axis CNC Lathe: Hardinge SV-150 Machining Volume 11"x 16"
- Haas VF3-YT 3-Axis Vertical CNC
- Haas Mini Mill (x2) 3-Axis Vertical CNC

Cutting, Engraving

- Laser: Boss HP2436 - Machine Travel: 36"x 24"
- Laser: Epilog Fusion M2 - Machine Travel: 32"x 20"

Metal Forming, Cutting

- Shear, Brake, Bender, Roller

Welding

- Mig, Tig
- Pre and Post Processing
- Ultrasonic Cleaner (3D prints), Finisher, Powder Coat, Paint Booth

Measurement and Test

- Optical Comparator
- Coordinate Measuring Machine
- Tension / Compression / Vibration
- Uniteq Corp. PS-2305 Power Supplies
- Rigol DS1104Z Oscilloscopes
- Rigol DG1022 Function Generator
- Rigol DM3058E Digital Multi-Meter

Assembly

- Sub-Assemble parts and components for your production line
- Final Product Assembly

Woodworking

- Table Saws, Routers, Sanders, Etc.



Hourly Rates:

Department Chair =	\$166.84
Senior Academic =	\$128.04
Academic =	\$100.88
Junior Academic =	\$ 81.48
Graduate Student =	\$ 54.94
Undergraduate Student =	\$ 36.63

**What our Industry Partners
Say:**

AMSI has been a great resource for building our prototype designs and helping to ensure that our products are delivered on time with the highest quality.

Geoff Rabinowitz
York Space Systems

Contact for free quote:



Phone: (303) 615-0880

Email: amsi@msudenver.edu



Our team has extensive experience in design and fabrication including part prototypes, manufacturing processes, quality inspection, and test initiatives.

Other Services:

Consulting Services

- Industry 4.0 Digital Transformation
- Prototype Design
- Quality Inspection, Test, Engineering

Prototype Design & Build

- CAD (Solidworks, Fusion 360)
- 3D Printing, CNC Machining

Reverse Engineering

- 3D Scanning
- Precision Measurement
- CAD Modeling

Quality Inspection, Test, Engineering

- Gage Design
- GD&T Interpretation
- Lean Six Sigma



MSU Denver's Advanced Manufacturing Sciences Institute is at the forefront of a revolution in America's manufacturing economy: The use of smarter, leaner factories to develop and produce innovative new products, materials, and techniques.

Our students will acquire real-world learning through state-of-the-art manufacturing equipment and materials, soft skills through carefully chosen curriculum, and collaborations with the professional community to augment the development of skills, knowledge, and dispositions that enable our graduates to immediately fill sought-after positions within advanced manufacturing industries.

The Advanced Manufacturing Sciences baccalaureate degree is a multi-disciplinary major that emphasizes both theoretical and practical applications providing students with a solid foundation in core skills, knowledge, and dispositions to facilitate employability in advanced manufacturing professional positions.

