

**Center for Agile and Adaptive Additive Manufacturing
(CAAAM) Fee Schedule 2023**

**Pre and Post Additive Manufacturing
Processing Characterization and Analysis Equipment
For Internal Users**

Equipment	Rate, Per/Hour
Aconity Ultrasonic Powder Sieve	\$ -
AIP 6-30H Hot Isostatic Press (HIP)	\$ 40.00
Atmosphere Controlled Tube Furnace, Rapid Temp 1600	\$ 25.00
Automated Micro Hardness Tester, NANOVEA	\$ 50.00
Carbon Analyzer, LECO	\$ 5.00
High Resolution Optical Microscope	\$ -
Large Sample Mechanical Testing Unit, Instron	\$ 30.00
Mechanical Shaker Powder Sieve	\$ -
Mini Mechanical Testing Unit, Kammrath-Weiss	\$ 75.00
Nanoindentor, KLA iMicro	\$ 70.00
Oxygen/Nitrogen Analyzer, LECO	\$ 5.00
Particle Size Analyzer, Microtrac	\$ -
Pilot-Tech Powder Spray Dryer	\$ 15.00
Plasma Spheroidization, TekSphero15	\$ 40.00
Raman Spectrometer Analyzer, Renishaw	\$ 60.00
Tap Densitometer/Hall Flowmeter	\$ -
Trump2000 Powder Sieve	\$ -
Vibrating Sample Magnetometer (VSM)	\$ 80.00
X-Ray Tomograph; ZEISS Xradia Crystal CT	\$ 200.00

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**Pre and Post Additive Manufacturing
Processing Characterization and Analysis Equipment
For External Users**

Equipment	Rate, Per/Hour
Aconity Ultrasonic Powder Sieve	\$ 30.00
AIP 6-30H Hot Isostatic Press (HIP)	\$ 45.00
Atmosphere Controlled Tube Furnace, Rapid Temp 1600	\$ 35.00
Automated Micro Hardness Tester, NANOVEA	\$ 85.00
Carbon Analyzer, LECO	\$ 60.00
High Resolution Optical Microscope	\$ 60.00
Large Sample Mechanical Testing Unit, Instron	\$ 50.00
Mechanical Shaker Powder Sieve	\$ 20.00
Mini Mechanical Testing Unit, Kammrath-Weiss	\$ 100.00
Nanoindentor, KLA iMicro	\$ 115.00
Oxygen/Nitrogen Analyzer, LECO	\$ 60.00
Particle Size Analyzer	\$ 25.00
Pilot-Tech Powder Spray Dryer	\$ 20.00
Plasma Spheroidization, TekSphero15	\$ 60.00
Raman Spectrometer Analyzer, Renishaw	\$ 85.00
Tap Densitometer/Hall Flowmeter	\$ 20.00
Trump2000 Powder Sieve	\$ 20.00
Vibrating Sample Magnetometer (VSM)	\$ 130.00
X-Ray Tomograph; ZEISS Xradia Crystal CT	\$ 275.00

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**3D Printing/Additive Manufacturing Equipment
For Internal Users**

Equipment	Rate; Per/Hour
Aerosol Jet System, nScrypt 3Dn	\$ 90.00
Binder Jetting System, ExOne Innovent+	\$ 55.00
Direct Write Extrusion Printer, 30M Hyrel 3M	\$ 25.00
Directed Energy Deposition System, Hybrid MFG. Ambit	\$ 110.00
Directed Energy Deposition System, Optomec CS-250	\$ 130.00
Directed Energy Deposition System, Optomec LENS-750	\$ 45.00
Friction Stir Deposition System, MELD-B8	\$ 120.00
Powder Bed Fusion System, Aconity MIDI	\$ 140.00
Powder Bed Fusion System, Trumpf TruPrint 1000	\$ 60.00
Powder Bed Fusion System, Trumpf TruPrint 2000	\$ 115.00

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**3D Printing/Additive Manufacturing Equipment
For External Users**

Equipment	Rate; Per/Hour
Aerosol Jet System, nScript 3Dn	\$ 135.00
Binder Jetting System, ExOne Innovent+	\$ 175.00
Direct Write Extrusion Printer, 30M Hyrel	\$ 40.00
Directed Energy Deposition System, Hybrid MFG. Ambit	\$ 125.00
Directed Energy Deposition System, Optomec CS-250	\$ 200.00
Directed Energy Deposition System, Optomec LENS-750	\$ 63.09
Friction Stir Deposition System, MELD-B8	\$ 200.00
Powder Bed Fusion System, Aconity MIDI	\$ 225.00
Powder Bed Fusion System, Trumpf TruPrint 1000	\$ 90.00
Powder Bed Fusion System, Trumpf TruPrint 2000	\$ 175.00

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**3D Printing/Additive Manufacturing Related Educational Equipment
For Internal Users**

Item	Rate
Senior Design Project	A group of 2-4 students \$60.00 per hour or \$2,500 per semester
Additive Manufacturing Course	\$60.00 per hour or \$4,000 per semester
3D Laser Scanner	\$ 10.00
Formlabs Form3 Polymer Printer	\$ 12.00
Makerbot Method X Polymer Printer	\$ 15.00
Markforged Mark 2 Polymer Printer	\$ 15.00
Zortrax M200+ Polymer Printer	\$ 12.00

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**3D Printing/Additive Manufacturing Related Educational Equipment
For External Users**

Item	Rate
Senior Design Project	A group of 2-4 students \$75.00 per hour or \$3,000 per semester
Additive Manufacturing Course	\$75.00 per hour or \$4,500 per semester
3D Laser Scanner	\$ 15.00
Formlabs Form3 Polymer Printer	\$ 20.00
Makerbot Method X Polymer Printer	\$ 25.00
Markforged Mark 2 Polymer Printer	\$ 25.00
Zortrax M200+ Polymer Printer	\$ 20.00