



## **Internal Charges for Equipment in the Missouri Protoplex Center for Advanced Manufacturing**

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The Missouri Protoplex Center for Advanced Manufacturing (CAM) has a growing portfolio of manufacturing equipment that is available for use by Missouri S&T faculty, staff, and students. For internal users, i.e., those users who pay via a Missouri S&T MOCODE, the equipment use charges are based on the cost occurred by the CAM and are in accordance with University Policy and Office of Management and Budget (OMB) Circular A-21, "Cost Principles for Education Institutions". Internal users are charged for supplies, equipment depreciation, and operator salary via a pre-arranged Non-University Use of University Equipment, Facilities, and Resources Contract.]

Missouri S&T faculty/staff/students wanting to use this equipment should contact the persons listed below. Special scheduling arrangements can often be made to fit unique circumstances.

<b><u>Equipment</u></b>	<b><u>Point of Contact for Scheduling</u></b>
Sodick Wire EDM	Elias Snider ( <a href="mailto:esnider@mst.edu">esnider@mst.edu</a> )
Impossible Objects CBAM	Bradley Deuser ( <a href="mailto:bdeuser@mst.edu">bdeuser@mst.edu</a> )
IO Clemco Pulsar 55-S Media Blaster	Elias Snider ( <a href="mailto:esnider@mst.edu">esnider@mst.edu</a> )
IO 30-Ton Heated Compression Press	Bradley Deuser ( <a href="mailto:bdeuser@mst.edu">bdeuser@mst.edu</a> )
Spee3D Cold Spray 3D Printer	Bradley Deuser ( <a href="mailto:bdeuser@mst.edu">bdeuser@mst.edu</a> )
Alpha Laser Micro Welder	Elias Snider ( <a href="mailto:esnider@mst.edu">esnider@mst.edu</a> )
Induction Rod Casting Furnace	Katie Kiser ( <a href="mailto:kekmkq@mst.edu">kekmkq@mst.edu</a> )
Wire Drawing Equipment	Katie Kiser ( <a href="mailto:kekmkq@mst.edu">kekmkq@mst.edu</a> )
Wire Rolling Press with Induction	Katie Kiser ( <a href="mailto:kekmkq@mst.edu">kekmkq@mst.edu</a> )
BOND GL7 Friction Stir Welding	Xavier Jimenez ( <a href="mailto:xavier.jimenez@mst.edu">xavier.jimenez@mst.edu</a> )
MTS Fatigue Testing Frame Low Cycle	Katie Kiser ( <a href="mailto:kekmkq@mst.edu">kekmkq@mst.edu</a> )
SLM-500 Quad LPBF	Xavier Jimenez ( <a href="mailto:xavier.jimenez@mst.edu">xavier.jimenez@mst.edu</a> )

# Internal Use Charges for Equipment in the Missouri Protoplex Center for Advanced Manufacturing

*Charges Billed to MOCode Account*

<b>I. Sodick Wire EDM</b>		
1. Internal Use Rate		\$113.23/hr
2. Internal Use Rate for Unassisted User		\$26.05/hr
<b>II. Impossible Objects CBAM2 Printing System</b>		
1. Internal Use Rate		\$112.04/hr
2. Internal Use Rate for Unassisted User		\$57.08/hr
<b>III. IO Clemco Pulsar 55-S Media Blaster</b>		
1. Internal Use Rate		\$70.43/hr
2. Internal Use Rate for Unassisted User		\$15.46/hr
<b>IV. 30-Ton Heated Compression Press</b>		
1. Internal Use Rate		\$102.67/hr
2. Internal Use Rate for Unassisted User		\$47.70/hr
<b>V. Spee3D Cold Spray 3D Printer</b>		
1. Internal Use Rate		\$201.14/hr
2. Internal Use Rate for Unassisted User		\$117.76/hr
<b>VI. Alpha Laser Micro Welder</b>		
1. Internal Use Rate		\$105.32/hr
2. Internal Use Rate for Unassisted User		\$50.35/hr
<b>VII. Induction Rod Casting Furnace</b>		
1. Internal Use Rate		\$165.34/hr
2. Internal Use Rate for Unassisted User		\$92.00/hr
<b>VIII. Wire Drawing Equipment</b>		
1. Internal Use Rate		\$125.36/hr
2. Internal Use Rate for Unassisted User		\$52.02/hr
<b>IX. Wire Rolling Press with Induction</b>		
1. Internal Use Rate		\$116.34/hr
2. Internal Use Rate for Unassisted User		\$43.00/hr
<b>X. BOND GL7 Friction Stir Welding</b>		
1. Internal Use Rate		\$178.24/hr
2. Internal Use Rate for Unassisted User		\$118.09/hr
<b>XI. MTS Fatigue Testing Frame (Low Cycle)</b>		
1. Internal Use Rate		\$21.19/hr
2. Internal Use Rate for Unassisted User		\$10.48/hr
<b>XII. SLM-500 Quad Laser Powder Bed Fusion</b>		
1. Internal Use Rate		\$185.94/hr
2. Internal Use Rate for Unassisted User		\$123.73/hr