

# HIGHLIGHTS

## Los Alamos National Laboratory and Montana State University Collaborations

Los Alamos National Laboratory (LANL) and Montana State University (MSU) collaborations are rapidly growing. Various milestones have been achieved and more endeavors are being pursued.

Some of the collaboration's achievements are:

- Full Time Expectance % has been increased for each of the MSU research faculty, graduate student participation has increased to three, and the highest number of undergraduates (~15) in the project to date has been achieved.
- The number of groups at LANL for which we are partnering research support and student interaction has increased with the Technical Applications Office being the primary relationship.
- A group of students came to LANL to present their work, tour LANL facilities, and interview onsite with managers. Three Fall graduating seniors accepted job offers at LANL.
- Equipment purchases were made and delivered equipment (2 CNC mills, and 1 CNC lathe) are already making parts for the project.
- There are currently nine Capstone projects in process that are sponsored by, or inspired by, LANL. There are two in Cap II and seven in Cap I (>25 students).
- Dr. Carina Beck and her staff at MSU hosted the first LANL Day on campus this past Fall.
- The Applied Research Laboratory at MSU was approved for Q-cleared work.
- An Institutional Agreement was signed to enable Joint Appointments. The first Joint Appointment has been approved.

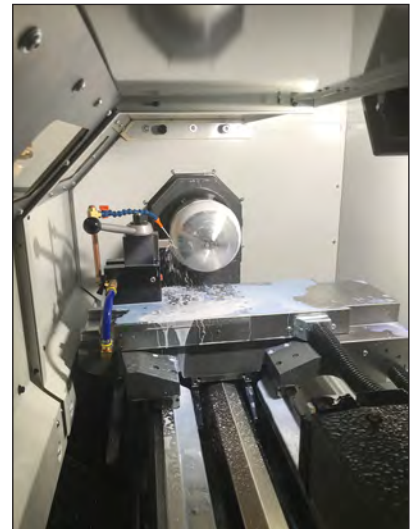
MSU is part of the series of university collaborations and partnerships that is being led by ALDWP-TAO with the assistance of TechSource under funding from NA-191.



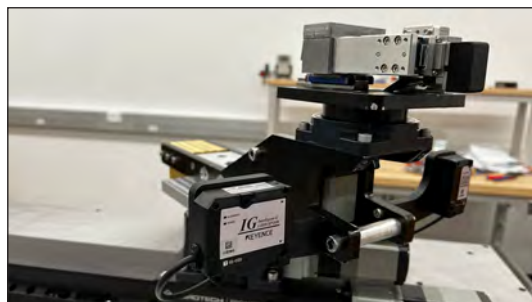
*Making chips with the Pocket NC 50 milling machine.*



*New Haas lathe installation for development activities.*



*Flood cooling during turning operation to maintain consistent component temperature and reduce tool wear.*



*Precision stages setup for next stage of installation process.*



*MSU students visiting Fuller Lodge in Los Alamos.*