

Machining & Welding Center



Core Facilities Fair 2017

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Machining @ Welding Center



The Machining & Welding Center, or MWC, provides prototype machining, designing, fabrication, welding, consultation, instructional support, and community outreach programs.

The MWC is dedicated to providing expertise for research instrument fabrication, committed to continuous improvement of innovative processes and delivery of superior quality products on time, manufactured with expert precision.

The machining facility on site offers a variety of specialized services, provided by a staff with a combined total of more than 150 years of machining experience. The facility is well equipped with a wide variety of machines. The MWC is also able to bid on large projects, even within the University. Some services offered by the machining facility include precision machining and grinding, prototype instrumentation, mechanical design, instrument repair, and machine shop safety classes. The fabrication facility also offers a variety of services.

The facilities of the Machining and Welding Center total nearly 13,000 square feet, housing a host of equipment for machining, welding, metrology, and material handling.

The MWC regularly works with researchers in the UA's College of Science and College of Engineering, among others. In addition to supporting the University community, the MWC introduces innovative applications to industry partners, including those dedicated to research and development of aerospace technologies and medical devices.

Since its establishment, the MWC has contributed to numerous projects, including the building of NASA's James Webb Space Telescope and the Spacewatch telescope on Kitt Peak.

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Contact

Larry Acedo
Manager
lacedo@email.arizona.edu
520-621-4066
mwc.arizona.edu

Location

Gould-Simpson
Building 77
Room 235