

Rigaku Miniflex XRD

v20211208

Overview

The MiniFlex is a desktop powder X-ray diffractometer (XRD) with an enclosed beam that is completely shielded. ***Any individual who wishes to use the XRD must:***

- Participate in training that demonstrates all safety issues including possible radiation hazards and biological effects of radiation associated with the instrument.
- Receive training in proper operating procedures for the instrument.
- Agree to document that training has been completed.
- Record their time on the log sheet.
- Operate the instrument only according to the manner specified in the SOP.
- Never bypass the instrument safety devices.
- Read, understand, and abide by the contents of this binder (tabs 1-5).
- Abide by all other policies pertaining to WCU's shared instrumentation.

Emergency Contacts

Contact	Role	Office	Email	Phone
Matt Burleson	Instrumentation Specialist, XRD Authorized User	AP 346	mburleson@wcu.edu	828-227-2239
Wes Bintz	Research Operations Manager, Arts & Sciences	AP 221	wwbintz@wcu.edu	828-227-2270
Jamie Wallen	Department Head, CHPH	AP 112	jamiewallen@wcu.edu	828-227-3667
Jon Maddy	Director, Safety and Risk Management	-	jmaddy@wcu.edu	828-227-7442
Amanda Lytle	Lab Safety Officer, Safety and Risk Management	-	alafferty@wcu.edu	828-227-3645
Campus Police	Non-emergency/after hours contact	-	-	828-227-730
Campus Dispatch	Fire/Medical/Police Emergency Response	-	-	828-227-8911
NC Radiation Protection Section	State Emergency Center	-	-	800-858-0368

Safety

- Please see the "**Safety Overview**" tab for safety information specific to the XRD.
- Please see the "**Safety Overview**" tab for the Notice to Employees.
- In an emergency, press the **Red Stop Button** on the front of the instrument. If you believe you have been exposed to X-rays, report it immediately to one of the contacts listed above!

Remember to document your time on the log sheet!