

Hydraulic Press - 10T and 15T

Rock Trimmer - Zuber MP5

Safe Operating Procedure

Operation of this equipment is restricted to trained personnel familiar with the user instructions, general safety precautions, and laboratory rules. Contact the laboratory manager or your supervisor/group leader to get permission to use this equipment.

Working alone: Avoid using the rock presses and rock trimmer when you are alone in the lab. If being alone in the lab cannot be avoided, please notify the lab manager or other NHM staff member when and for how long you will be using the equipment. Once you finish your work remember to call/email them again!

Always Use Personal Protective Equipment



Safety glasses must be worn.



Foot protection must be worn.



Rings and jewelry must not be worn.

NOTE: Depending on the work to be performed, you may also need to wear gloves, facemask and/or protective clothes.



Pre-Operational Safety Checks

1. Ensure no slip/trip hazards are present in the workspace.
2. Check for any hydraulic fluid leaks.
3. Check for visible damage to the equipment. If any part of the equipment is not in good working order, DO NOT begin the job.
4. Ensure that safety glasses are available and worn by all personnel in the room.
5. Sample sizes must be of an appropriate thickness and safe to use on the equipment.
6. DO NOT use faulty equipment and report suspect machinery.

Operational Safety Checks

1. Place your sample securely between the chisels.
2. Ensure the pressure valve is in closed position before operation.
3. When appropriate, use the press handle in a pumping action to lower the press hammer.
4. Use the shoulder muscles when performing step #3 – NOT your lower back.
5. Make sure your hands and other body parts are away from all clamping and moving parts, especially when you lower the mechanism on the press.
6. Once the sample is pressed, release the hammer pressure at the release valve.

Post-Operational Safety Checks

1. Leave the equipment in a safe, clean and tidy state.
2. Dispose the waste material in the appropriate waste bin.
3. Return all tools to the correct storage location.

Potential Hazards

Potential to cause harm because of crushing from moving parts, 'flying' materials and chemical hazard (release of hydraulic fluid).