

STANDARD OPERATING PROCEDURES

Belt-Driven Disc Mill

DO NOT use this machine unless you have received authorization from the Shop Coordinator



Safety glasses must be worn when operating this equipment.



Hearing protection required when operating this equipment.



Sturdy closed-toe shoes must be worn.



Long and loose hair must be contained.



Respiratory protection must be worn.



Gloves must not be worn during operation.

Potential Hazards and Injuries

- Hair/clothing/gloves/limbs getting caught in moving jaws (entrapment or amputation possible).
- Flying rock chips and dust (eye injury).
- Struck by ejected objects e.g., too-large rocks (blunt trauma).
- Silica dust inhalation (respiratory damage).

Pre-Operational Safety Checks

- Locate and ensure you are familiar with all machine operations and controls.
- Ensure that the wall-mounted dust collection system and dust collection box are turned on before starting the disc mill.
- Position the wall mounted dust collection intake facing the disc mill ventilation box.
- De-energize and lock-out machine before attempting any maintenance or when adjusting jaw plate distance.
- Ensure sample materials have been reduced to appropriate size and have been thoroughly dried to avoid getting stuck.
- Ensure sample collection tray is in place under crusher output.
- Put on required PPE before using equipment.

Safe Practices During Operation

- Before making adjustments or before removing the sample collection tray, switch off and bring the machine to a complete standstill.
- Feed samples slowly and with care into the hopper to ensure thorough processing.
- Use the cover plate to block the hopper while samples are being processed.
- Keep long hair, clothing, and limbs away from the spinning pieces of the disc mill.

Ending Operations and Cleaning Up

- Switch off the machine and wait until the machine comes to a complete stop.
- Switch off the dust collection unit.
- Leave the machine in a safe, clean and tidy state.
- Use the shop vac, if necessary, to clean up rock debris on the floor.

DON'T

- Don't use faulty equipment. Immediately report suspect equipment.
- Never leave machine running unattended.
- Do not attempt to unjam stuck rocks while the machine is running.

SOP must be used in conjunction with an effective training program