CORNELL MACHINE SHOP SAFETY

DRILL PRESS
SAFETY AWARENESS GUIDE

MINIMUM REQUIRED PPE

- Safety Glasses
- Closed-Toe Shoes

HAZARDS & CONTROLS

- The fast-rotating drill bit creates an entanglement hazard with loose clothing, hair, and jewelry. The drill bit can quickly grab these loose items and pull the operator into the point of operation. Do not wear loose clothing or jewelry and tie back long hair before operating this machine.

- Drill bits are sharp and can easily lacerate/puncture skin. Keep all body parts away from the point of operation. Utilize the guards and holding devices to eliminate the possibility of getting close to the point of operation.

- New cuts on workpieces can create sharp edges, burrs, and chips. Do not touch these fresh cuts with bare hands.

- Chips can also become a flying object hazard. Workpiece guarding along with eye protection can help avoid this hazard. Unsecured workpieces can also become flying projectiles.

- A great amount of friction is created in drilling operations. This can generate a significant amount of heat which can cause skin burns or a fire hazard.
LIMITATIONS

- Drill Presses are only made to put circular holes in workpieces. Do not attempt to mill a workpiece using a drill press. They are not designed to withstand side to side forces. They are only designed to handle up and down forces.
- There are specialized bits and tooling available for boring wood. Only skilled operators with the necessary experience are allowed to use these.

MACHINE GUARDING

*NOTE: ALL MACHINE GUARDS MUST BE IN PLACE AND PROPERLY ADJUSTED BEFORE USE.

- Drill press guards protect the operator from flying projectiles as well as accidentally coming in contact with the rotating drill bit. Drill press guards are easy to retrofit on any style of drill press.

SHOP SPECIFIC PRECAUTIONS