

Drill Press

v2, Updated April 2021

Identify:

Start/stop buttons, Chuck and key, table, hand feed lever

Accompanying Tools:

Goggles, Drill bits, Forstner bits, Spade bits, Hole saws, Cross Vise/Table vise

Safety:

- Use goggles.
- Hair up. No long sleeves, scarves, or gloves.
- Requires immediate adult supervision once trained. Adult should check the student's setup before they start.
- Drill bit binding or insufficient clamping can cause a propellor motion. Move hands away and turn off the machine.

Operation:

- Use the chuck key (mounted on the left side of the machine) to tightly attach the correct bit. Left turn to loosen, right turn to tighten.
- Adjust height of table and material to accommodate the drill depth, pull down lever to check distance.
- Secure material to the table with (at least 3) clamps or a vise, making sure the bit is lined up with the center hole in table or above a piece of scrap material.
- Turn on drill press. Never start drill while the bit is against the material.
- Turn the hand lever slowly and engage the bit with the material. Apply more pressure if debris is fine and not obstructing the hole. Coarse chips and spirals are preferred for effective drill speed and pressure.
- When drilling into metal, speed adjustments and lubricants may be necessary.
- When finished, turn off the drill press, allow it to stop, then remove clamps and material.

