



## **Floor Drill Press**

- 1. Configuration: overhead drill mounted above adjustable table**
- 2. Cutting Action:**
  - a. Drill bit is mounted in a chuck, which travels up and down on the quill
  - b. Drills holes perpendicular to table
- 3. Adjustments:**
  - a. Variable speed (change with drill on only)
  - b. Table elevation
  - c. Quill can be locked
  - d. Depth stop for setting hole depth
- 4. Safety:**
  - a. Use only bits appropriate for the material.
  - b. Make sure that the bit tight and straight in chuck.
  - c. Remove key from chuck before turning on.
  - d. Secure work, clamping it whenever possible.
  - e. Do not drill into metal table.
  - f. Place a scrap of wood under work to avoid tear-out.
  - g. Check drill speed: faster for soft materials or small bits, slower for hard material or large bits. Adjust speed only with drill on.
  - h. Never use auger bits in the drill press.
  - i. Avoid awkward hand positions in which a sudden slip would cause hand to go into the cutting tool.
  - j. Hold work in left hand and operate drill with right hand.
  - k. Never wear gloves, neckties, jewelry, loose clothing, or long loose hair.