

Router

A router is basically a motor that turns a cutter head at very high speed. It is used to perform an extensive range of smooth finishing and decorative cuts.

Safety Rules

1. Use sharp bits, inspect them before each use, and handle them with care. Never use dull or damaged bits or bits with cracked carbide.
2. Consult a speed chart for the correct speed setting for the bit.
3. Use only bits that have a cutting diameter less than the opening in the router base.
4. Unplug the router when changing a bit.
5. When changing a router bit, insert the new bit as far into the collet as possible, then withdraw it about 3/16" before tightening the collet. Make sure that the bit shaft is engaged in the collet at least 1/2".
6. Always use the wrenches provided with the tool to make adjustments.
7. Be sure that the collet nut and any other adjustment devices are securely tightened before turning the router on. Loose adjustment devices can unexpectedly shift, causing loss of control; loose bits and collets may be thrown violently.
8. Make sure the work surface is free from nails, knots, and other foreign objects. Do not shape particleboard; it could fly apart while being routed.
9. Hold the workpiece securely in a vise or other clamping device. Holding the workpiece by hand is unstable and dangerous.
10. Follow the tool manufacturer's recommendation for the depth of cut.
11. Hold the router firmly with both hands. Motor torque can cause it to twist.
12. Feed the cut against the direction of bit rotation. Feeding the tool in the wrong direction causes the cutting edge of the bit to climb out of the workpiece and may cause loss of control.
13. Never lay the tool down until the motor and bit have come to a complete stop. The spinning bit can grab a surface and pull the tool out of your control.
14. Don't touch the bit immediately after use. It may be hot.
15. Return the bit to the bit holder located in the tool cabinet after use. Never store bits loose in a drawer.

