

CLASS: JSS 3

SUBJECT: BASIC TECHNOLOGY

TOPIC: WOODWORK MACHINES

a woodwork machine is an equipment (mostly electrically operated) that is used in performing basic and complex woodwork operations.

Apart from hand tools, machines and portable tools are also used in woodwork to cut, plane, drill holes, and shape items. Some common woodwork machines are band saw, surface planer, thicknesser and circular saw.

Band saw

The band saw is a machine used to cut curves and straight lines in thick and thin pieces of wood. The wood to be cut is placed on a table, in order to make contact with the teeth of the blade as it revolves. The band saw reduces the stress of woodworkers when slicing timber.

Surface Planer



The surface planning machine is used in removing marks and twists on the face of the wood. It is used for making the surface of the timber smoother.

Thicknesser



The thicknesser is a woodwork machine used for planing to a specific thickness. It is similar to the surface planer. This machine is used to produce correct thickness by setting the cutter to the desired size.

Circular saw



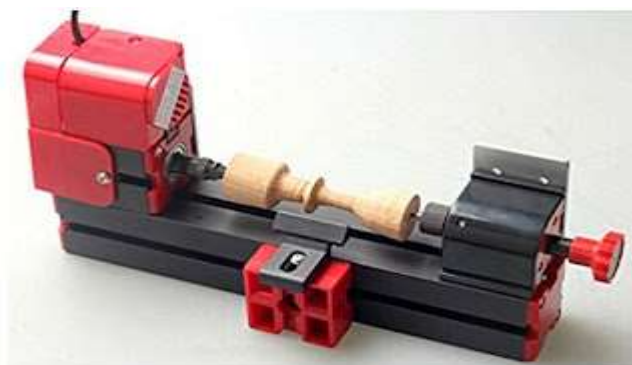
The circular saw is used to prepare or resaw timber into suitable sizes for articles of joinery, furniture and some other items made of wood. This machine has a table, with a revolving knife protruding above the table.

Drill press



The drill press is used to drill holes in wood. However, it can be adapted to carry out other operations such as mortising, shaping, shading and boring.

Wood lathe



The wood lathe is used for turning wood. A turning chisel is attached to the machine to turn timber planks into circular timbers.

Home work: list and explain any five types of wood joints.