

Lesson 3: Saws Used in Woodworking

Introduction

In woodworking, Saws are the cornerstones of the craft. They enable you to transform raw material into precise shapes and forms. Whether you are making a delicate joinery or furniture, choosing the right saw will help you attain an efficient, accurate, and safe way of working on your workpiece. Choosing the right saw can make or break your project. From fine joinery to heavy ripping, the right tool saves time, improves accuracy, and elevates craftsmanship.



Introduction to Saws

Saws are among the most fundamental and needed tools in woodworking. Whether they come in as handheld or power-operated, they enable you to shape raw lumber into precise and useful components. In order to obtain certain shapes and forms, there are several types of saws that fit different applications, and in order to have a presentable outfit, one must know which type of saw to use in order to get the desired cut.

Panel Saw

A panel saw is a versatile saw that usually comes in 16-to 20-inch long. They are designed for making rough crosscuts across the grain on smaller pieces of wood.



Back Saw

A back saw is a handheld saw that has a stiffening rib at the edge opposite the cutting edge, enabling better control.



Japanese Saw

Japanese handsaws, or “nokogiri”, are cutting tools designed to cut on the pull stroke rather than the push stroke. Japanese saws typically feature thinner blades with sharper, more precisely set teeth, allowing for cleaner, more accurate cuts with less effort



Coping Saw

A Coping Saw is a type of saw used for its versatility and precision. The saw allows you to complete intricate cuts and shapes that would be challenging with other saws. Its blade is thin and is usually replaceable and comes with different teeth and sizes



Handheld Power Saws

The **Handheld Power Saws** are known for their speed and their convenience. They do not use muscle power but are operated using batteries and a motor. These tools offer mobility for cutting in place, which makes them perfect for both construction sites and compact workshops.

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Circular Saws

Circular Saws are versatile in power which featuring a toothed blade that spins rapidly. It's designed for making straight cuts in various materials, including wood, plywood, plastic, and even metal.



Jigsaws

The Jigsaw is a versatile power tool that excels at cutting curves and intricate shapes in the workpiece. It uses a reciprocating blade to cut through various materials such as wood and metal sheets.



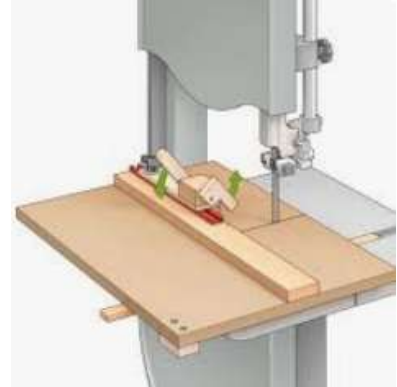
Table Saws

Table saws are versatile power tool that is commonly used for making straight cuts, both along the grain and across the grain.



Band Saws

The Band Saw uses a continuous loop of toothed metal stretched between two or more wheels. It's a good tool for cutting curves and resawing lumber



Terminologies

Finesse – In woodworking, finesse is used to describe a cut that is done with precision, intricate, and delicate control applied during the process.

Crosscut – A cutting technique where in the saw cuts across the grain rather than cutting along it.

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