

Glossary of Woodworking Machinery Instructions

Welcome to our Glossary of Woodworking Machinery. Feel free to edit and add terminology to this research page. Please follow the general guidelines as outlined below.

- Add only woodworking terminology that is widely used in the crafts, arts, trades and industry of woodworking.
- Avoid entering terminology that is used locally, or regionally.
- Please research your own entries before entering them here, and verify that they are indeed accurate and reliable.

A

B

Bench grinder



- A smaller machine typically small enough for

a one person to lift, that fits on a bench top, usually outfitted with two grinding wheels on both sides of a single motor. The motors for this smaller grinding machine are usually in the 1/4hp to 1hp range. The bench top grinder can be used for grinding metal, sharpening cutting edges, and with a wire wheel to clean metal surfaces.

Bench top grinders also come in various rpm ranges, the slow speed grinder is preferred for sharpening tools and metal edges, and for buffing metal as well. The slow speed is desired because the speed will not heat up the metal to the point of losing hardness when it comes to sharpening tools and implements.

C

Combination machine - Combination machines is one machine that could consist of two machines or more. A typical combination machine would have a surface planer and joiner planer, run by one motor. There are many different types of combination machines, other examples are multi use machines that may contain up to 5 or 7 operations such as one machine that can perform the following process: table saw, drill

press, horizontal boring, lathe, and disc sand. The more popular machine that can run those tasks from one power source is the Shopsmith machine.



Shopsmith Mark 7 combination machine

D

Drill press - Entry needed

Dust collector - Entry needed

E

F

G

H

Horizontal boring - Entry needed

I

J

K

L

Lathe - Entry needed

M

Mortiser - Entry needed

N

O

P

Planer- See various types below:

- **Double side planer** -
- **Four side planer** -

- **Jointer planer**



- A jointer or in some configurations, a

jointer-planer is a woodworking machine used to produce a flat surface along a board's length. As a jointer, the machine operates on the narrow edge of boards, preparing them for use as butt joint or gluing into panels. A planer-jointer setup has the width that enables smoothing and leveling the faces of boards small enough to fit the tables. ¹

- **Thickness planer** -

Pin router - Entry needed

Q

R

S

Saw - See various types below:

- **Bandsaw** - A bandsaw (also written band saw) is a saw with a long, sharp blade consisting of a continuous band of toothed metal stretched between two or more wheels to cut material. They are used principally in woodworking, metalworking, and lumbering, but may cut a variety of materials.
- **Chop saw** -
- **Compound miter saw** -
- **Miter saw** -
- **Panel saw** -
- **Radial arm saw** - ² A radial arm saw is a cutting machine consisting of a circular saw mounted on a sliding horizontal arm. Invented by Raymond DeWalt in 1922, the radial arm saw was the primary tool used for cutting long pieces of stock to length until the introduction of the power miter saw in the 1970s.
- **Scroll saw** -

- **Table saw** - ³ A table saw is a woodworking tool, consisting of a circular saw blade, mounted on an arbor, that is driven by an electric motor. The blade protrudes through the top of a table, which provides support for the material, usually wood, being cut.

Sander - See various entries below

- **Combo** -
- **Drum** -
- **Edge** -
- **Oscillating** -
- **Wide belt** -

Shaper - Entry needed

T

Tenon machine - Entry needed

U

V

W

X

Y

Z

1 Wikipedia contributors. "Jointer." Wikipedia, The Free Encyclopedia. Wikipedia, The Free Encyclopedia, 12 Aug. 2021. Web. 20 Dec. 2021.

2 Wikipedia contributors. "Radial arm saw." Wikipedia, The Free Encyclopedia. Wikipedia, The Free Encyclopedia, 15 May. 2019. Web. 4 Oct. 2019.

3 Wikipedia contributors. "Table saw." Wikipedia, The Free Encyclopedia. Wikipedia, The Free Encyclopedia, 29 Jun. 2019. Web. 28 Sep. 2019.

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