

Buying Guide Woodworking Machinery



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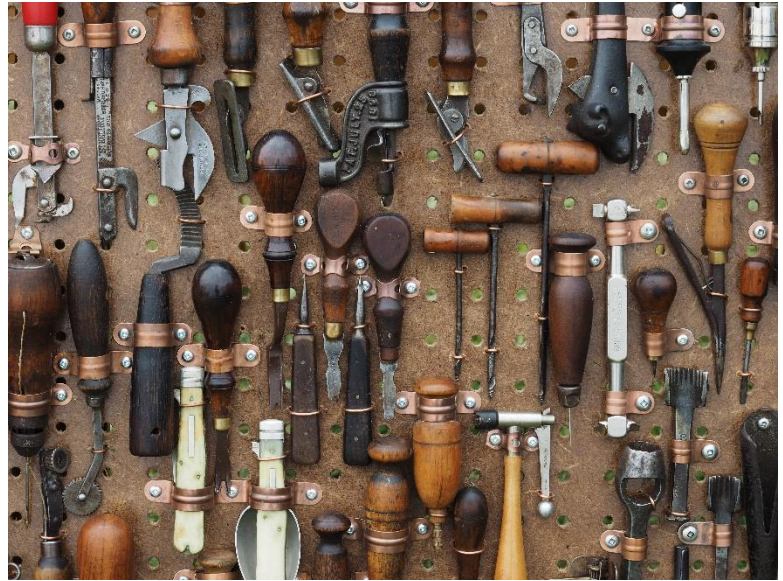
Get premium quality woodworking machinery all at the same place!

Introduction

We have been working with wood since the dawn of time. The first traces of woodworking date over 5,000 years ago, in the Europe's Bronze Age. Even back, woodworking needed precision, time and the right tools and machinery to achieve projects.

We provide you a complete buying guide about specialized woodworking machinery and how all this equipment can help you improve your woodworking skills and create the most amazing projects in your business and workshop.

Federated Tool is proud to offer you an astonishing selection of top-tier [woodworking machinery](#) for all your construction projects, manufacturing and company's renovations.



What is the essential woodworking machinery to have on your worksite?

Whether you are a professional carpenter, a wood furniture manufacturer, a general contractor, or a DIY enthusiast, having the right woodworking machinery is of utmost importance. Each woodworking equipment fulfills a particular task and remains fundamental to the production process.



Bandsaw

What is a bandsaw?

A bandsaw is ideal for cutting curved shapes and thick wood. Smaller bandsaws can cut wood up to 4 inches thick, while larger models can handle cuts up to 6 inches. They are also capable of making longitudinal, cross, and bevel cuts.

Despite their impressive cutting capacity, bandsaws operate efficiently with compact motors, defying the expectation that they would require large power sources.

Check out our [bandsaw and bandsaw accessories](#) inventory!

Table Saw

What is a table saw?

Table saws are typically the centerpiece of professional or home woodworking shops, offering the capability to perform various cuts, such as crosscuts, rip cuts, and grooves. Compared to other types of saws, table saws provide straighter, smoother cutting lines on larger workpieces.

A table saw operates with a circular saw blade mounted on a shaft driven by an electric motor. The blade extends through the table surface, which supports the material to be cut, usually large pieces of wood. The depth of the cut can be adjusted by raising or lowering the blade, and the cutting angle can be modified by tilting the blade.

Check out our [table saws inventory](#) for more details!



Woodworking Planer

What is a woodworking planer?

Whether you're building cabinets, doors, or furniture, ensuring each board has a uniform thickness is crucial. Woodworking planers are designed to smooth rough sawn pieces and achieve precise thickness for your boards. You can adjust the planer to attain the desired thickness.

For smaller projects requiring thinner lumber, a planer is the perfect tool. A high-quality planer will expedite the planing process.

There are numerous planer models available, but stationary planers are ideal for professional woodworking businesses, such as cabinetmaking, furniture manufacturing, or renovation.

Check out our [woodworking planers' inventory](#) for more details!





Drill Press

What is a drill press?

The drill press is a power tool designed for drilling holes in wood, metal, or plastic. It uses various types of drill bits to create holes of different diameters. With a drill press, you can easily drill precise holes, countersink, and even use sanding accessories.

Unlike hand-held drills, which rely on the operator's arm strength and stability to drill precise, clean holes, drill presses are precise. A rotating handle controls the descent of a rotating mechanism called a spindle, which holds the drill bit in a chuck at its end and moves only vertically. This design allows to produce perfectly accurate holes with ease.

Check out our [drill press' inventory](#) for more details!

Dust Collector

What is a dust collector?

In addition to the health hazards of inhaling dust, it can also make the floor slippery. Furthermore, if dust accumulates on the table or fence, it can cause inaccuracies in your work. Therefore, having an effective dust collector is essential.

Dust collectors feature hoses with diameters ranging from 4" to 6", capable of removing large amounts of dust with a suction power of 1.5 horsepower or more. Most models have dual ports for collecting dust from multiple machines simultaneously, and many are equipped with wheels for easy mobility.

Check out our [dust collectors' inventory](#) for more details!



Wood Lathe



What is a wood lathe?

The wood lathe is a highly specialized tool with a unique role in the woodworking industry. Its primary function is to turn wood, creating cylindrical, conical, circular, concave, convex shapes, and objects that combine two or more of these forms.

The basic operation of a wood lathe is straightforward: as the tool rotates a piece of wood, the user guides the cutting edges of various [wood chisels](#), specifically designed for woodturning (known as turning tools), into the wood to remove material and shape the desired object.

Check out our [wood lathes' inventory](#) for more information!

Jointer

What is a jointer?

A jointer is a stationary or bench-mounted tool used to plane the faces and edges of wooden workpieces. It features an infeed table and an outfeed table, known as the "bed," along with a fence and a cutting head.

To use a jointer, you place a piece of wood with one face or edge flat on the infeed table, hold it firmly against the fence, and push it through the blade. The blade removes a thin layer of wood, creating a perfectly flat and smooth surface and squaring the angle between the face and edge.

The primary function of a jointer is to produce flat, perpendicular faces and edges, ideal for precise butt joints. Woodworkers and carpenters commonly use it to smooth out warped or irregular boards.

Check out our [jointers' inventory online](#) for more details!





Woodworking sander

What is a woodworking sander?

A woodworking sander is a power tool used to smooth and finish wood surfaces by abrasion with sandpaper. Sanding is a critical step in the woodworking process, helping to prepare wood for painting, staining, or varnishing, as well as removing imperfections and achieving a fine, smooth finish.

They significantly improve the efficiency and quality of sanding tasks, ensuring smooth and prepared surfaces for the next steps in woodworking projects.

Check out our [woodworking sanders'](#) online inventory for more details!

Miter Saw

What is a miter saw?

Considering this tool's size, it's a cross-over between machinery and corded tool. A miter saw is a power tool used for precise crosscuts and angled cuts (miters) in wood and other materials. It features a circular blade mounted on a pivoting arm.

Types include standard miter saws, compound miter saws (for bevel cuts), and sliding compound miter saws (for longer cuts). Common uses include cutting molding, trim, and framing materials. The tool is valued for its accuracy and efficiency in repetitive cuts, making it essential for woodworking and carpentry.

Check out our [miter saws' online](#) inventory for more information!



FAQ (Frequently Asked Question) about woodworking machinery

What is the average budget for a fully equipped professional woodworking business?

Many contractors have posed this question to us, and it's nearly impossible to provide an exact answer. Several factors can influence the cost, including the type of woodworking machinery you need, the brand you choose, the specific equipment you purchase, and any accessories you add to each machine. However, a realistic budget for properly equipping your company's machine shop would be several thousand dollars.

What are the elements to consider prior to purchase woodworking machinery?

- **Specific requirements:** The choice of woodworking machines should be guided by your specific needs. For corporate workshops and projects that demand high precision in shape and size, it's advisable to select professional-quality machines that offer durability and precision.
- **Available workshop space:** The space in your workshop is a crucial consideration. Smaller workshops with limited space will benefit from compact or portable woodworking machines. On the other hand, manufacturers and contractors with larger workshops can accommodate bigger industrial equipment, such as table saws and joinery machines.
- **Operation and maintenance:** It's important to choose woodworking machines that are easy to operate and maintain. Machines that can be easily handled by one or a few people save time on training and simplify long-term maintenance.
- **Budget:** Your budget plays a significant role in selecting woodworking machinery. While some machines can be quite expensive, there are affordable options available, particularly in the used machinery market. However, larger industries often prioritize quality over cost, ensuring they invest in durable and reliable equipment.

What are the benefits of using woodworking machinery?

Using woodworking machinery offers several benefits over hand tools and corded tools:

- **Speed and efficiency:** Machines can perform tasks much faster and more efficiently than human hands, significantly increasing productivity.
- **Reduced waste:** Machinery creates smoother cuts and requires less material to be removed during shaping operations, resulting in less waste.
- **Consistency:** Machines produce consistent results, meeting tight tolerances more easily than hand-held tools.
- **Precision:** Advanced machinery can achieve high levels of accuracy that are difficult to match with manual tools.
- **Versatility:** Woodworking machines can perform a wide range of tasks, from cutting and shaping to sanding and finishing.
- **Safety:** Properly used machinery can reduce the risk of repetitive strain injuries and other hazards associated with manual tool use.

What are the best brands of woodworking machinery?

There are multiple great brands of woodworking equipment and machinery on the market nowadays. However, certain companies do stand out by the durability, ease of use, efficiency, and high quality. Here are four brands you can always count on for, and that have proven their worth in recent years.

[King Canada](#) : King Canada is highly regarded for its woodworking tools due to their quality and durability, comprehensive product range, innovative features, and competitive pricing. The brand offers strong customer support and warranties, ensuring reliability and satisfaction. Positive reviews and a reputation for Canadian engineering excellence further solidify its standing in the woodworking community.

[Laguna Tools](#) : Laguna Tools is renowned for its high-precision, durable woodworking machinery, ideal for intricate projects. The brand offers advanced features such as CNC controls and digital interfaces, ensuring superior performance and ease of use. Laguna's robust construction and long service life make their tools reliable for both hobbyists and professionals.

[DeWalt](#) : DeWalt is highly regarded for its woodworking machinery and tools due to their durability, rugged build, and ability to handle tough conditions. The brand offers a wide range of professional-grade tools known for reliability and precision, making them suitable for various woodworking applications. DeWalt is also praised for its innovative features and excellent customer support, which enhance user experience and maintain high standards of performance.

[Makita](#) : Makita is a top choice for woodworking tools due to their reliability, efficiency, and ergonomic designs. The brand consistently delivers high-performance tools with innovative features that enhance precision and ease of use. Known for producing durable and robust equipment, Makita ensures longevity and value for money.

I have a limited budget for woodworking machinery for our company. Which machinery should I buy first?

When you start off your company, it can happen that you are on a tight budget. Here's our suggestions for the first five woodworking machinery that should be in your workspace.

- Band saws
- Table saws
- Planers
- Jointers

If you have a specific business that implies woodworking (carpentry, furniture manufacturing, general contractor, etc.), don't hesitate to our expert team for advice on which woodworking equipment you should get first.

Any questions?

Do you want to learn more about woodworking machinery, our prices, or our services? Contact us today by phone or e-mail! Our team of experts will be happy to answer your questions! You can order your woodworking machinery online and get fast shipping everywhere in Ontario and Canada.



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Sunday: Closed

