

4 Reasons Every Wood Shop Needs a PantoRouter®

PantoRouter®

The PantoRouter® makes professional-quality mortise and tenon, box joints, and dovetails and is perfect for high school wood shops.

Students and instructors appreciate the PantoRouter's safety and ability to make high-quality joinery that is fast, accurate and repeatable. There has never been a tool like it available at such an affordable price, and many schools use Perkins grants to buy one or more for their wood shops.

1 Class Time

A big advantage of the PantoRouter in school wood shops is the ability to get multiple students through a joinery lesson in a 40-minute class period. Most operations take under three minutes to set up, and each very high-quality cut the student makes takes just seconds.

2 STEAM Principles

Using the PantoRouter for woodworking projects exposes the student to all aspects of **STEAM** while creating hand-crafted pieces the student and students' families will cherish for generations.

The **Science** of woodworking begins with investigating the properties of different wood types and how moisture and temperature affect wood. Students then experiment with shaping, adhesives and different finishes to continue the scientific process.

The PantoRouter uses interesting and easily explained **Technology**, including levers, slides and an electric motor.

This unique woodworking joinery machine is exceptionally well-engineered and manufactured, and with it, the instructor can explain the

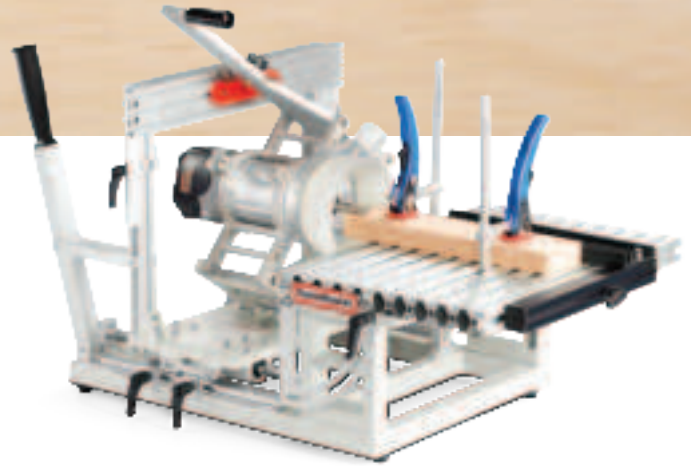
Engineering principles used to create precision joinery. The PantoRouter uses tapered templates and a pantograph with 2:1 reduction and, to date, has ten patents issued worldwide.

The PantoRouter reduces setup time and operation while enhancing precision and repeatability so the class can focus on design and the **Art** of woodworking. If the student can dream it, the PantoRouter will help to make it possible!

While there's little math needed to set up and operate the PantoRouter, there's ample opportunity to teach the **Mathematic** principles involving the 2:1 reduction between the template and joinery, and all scales have both a metric and inch-scale side.

3 Safety

While operating the PantoRouter, the student's hands firmly hold two control levers with a 2:1 mechanical advantage over the router and bit, so the travel of the router bit is only half the distance of the control lever. This dramatically improves control, and since the PantoRouter moves the router to the workpiece instead of moving the workpiece to the router, even long and otherwise unwieldy boards can be safely joined using traditional or advanced joinery methods.



Woodworking routers are a staple in every wood shop, but they can be tricky to work with, especially if handheld by less experienced users. The PantoRouter vastly improves control over the router and is arguably the safest way to use a woodworking router, with the operator's hands well away from the spinning bit.

4 Fun!

Students love working with the PantoRouter, which helps them focus on the instructor's lesson. With the PantoRouter, perfectly fitting joinery for furniture or decorative projects is finally approachable and extremely satisfying for both student and instructor.

For the safest, most accurate and repeatable machine to teach high-quality woodworking, the PantoRouter is the tool to use. Its small footprint, lower noise level than other power tools, and the ease of teaching even a novice to create beautiful furniture make the PantoRouter a priority tool for every woodshop.



To see the PantoRouter in action, click the QR code to watch a 2-minute video.

We also invite you to our website, and if you have any questions, we're just a phone call or email away.