

General Project 35—Sherline-Powered Scroll Saw/Jerry Glickstein

Jerry is a retired toolmaker with 50 years on the job and a longtime contributor to the [Sherline Machinists Yahoo Group](#). A ship modeler since 1981, he has developed a number of custom tools for rigging and other jobs in model ship building. The scroll saw was something he needed to cut out parts for his ship models, and he just wasn't happy with the commercial options available to him. He decided to make one himself, and, having three Sherline lathes and three Sherline mills in his shop, he based the power head on a Sherline motor and speed control. Here are some photos of the finished unit.



Photos 1 and 2—The finished scroll saw is seen from each side.

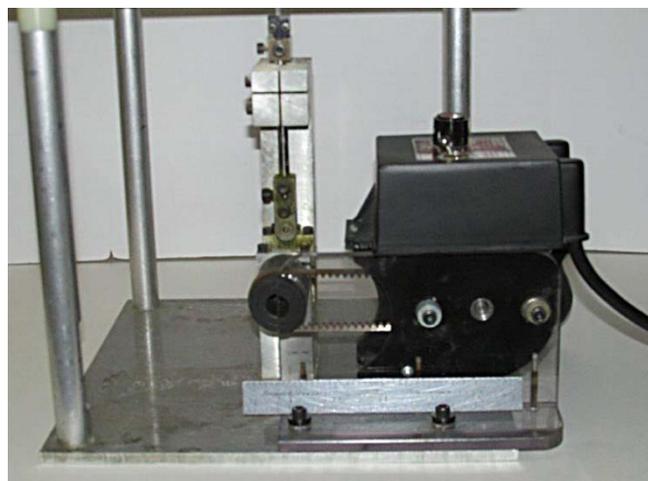


Photo 3—The Sherline power unit and belt drive.

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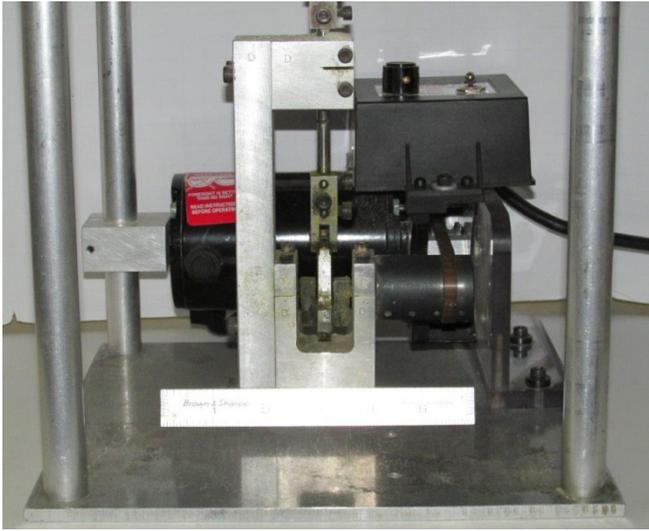


Photo 4—This view shows the eccentric that moves the scroll rod up and down.

Jerry modified the saw to carry special blades in addition to the normal ones. As a result, he can cut just about any material using blades for wood, metal or glass (diamond blades and/or abrasive sanding strips). The use of the Sherline DC motor and speed control also allows him to have infinitely variable speed.

To build the saw, Jerry notes, “Using the skills gathered in my career, I was able to make all the parts myself. The only components I didn’t make were the ball bearings, the Thompson ball bushings for linear movement and the drill blanks that the ball bushing run on. All metal wear parts were heat treated (hardened and ground) for long life.”

To see more of Jerry’s ship model work, see his own web site at www.shipmodelersdesktop.com.