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Laser Engraving Plate & XY Slide w/18" Table



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SKU: N/A

Category: Laser Engraving

Description	Instructions	Replacement Parts	Video
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Shortly after Sherline purchased a new engraving laser from **Jimani** we decided to manufacture our own laser engraving tooling plate. Jimani was already using our rotary table, and since we make our own X/Y tables we believed that we could build a custom X/Y table with a tooling plate that would enhance the operation of the laser while adding ease and versatility to set-ups.



The photo shows the new X/Y table up close and integrated with a Langolier Open Table system.

The tooling plate is 8" x 18" x 3/4" black anodized 6061 aluminum.

This tooling plate was designed to mount close and integrated with a Langolier on our **18" Industrial X/Y Slide**. The slide Open Table system. has 5" of Y-axis travel and 13.6" of X-axis travel. Handwheels are calibrated in .001" increments for the inch slide and in .01mm increments for metric.

We at Sherline Products believe that our 8" x 18" laser engraving tooling plate will be a great addition to any engraving laser. Custom tooling plate hole patterns can be quoted upon request.

About the XY Slide w/18" Table

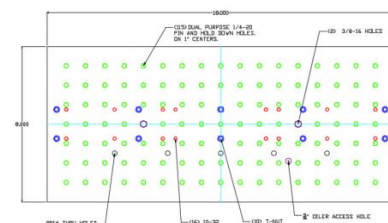
The 2-axis XY machine slide has an 18" table with plain handwheels.

Travel: X=13.38" (340 mm), Y=4" (102 mm)

Some of the Features of the Tooling Plate

- (115 **Green**) Dual purpose 1/4" holes, on 1" centers. These holes are threaded 1/4-20 on the bottom and reamed to 1/4" on the top. This allows each hole to be used as a "part locating" hole when you insert a 1/4" dowel pin. Each hole can also be used as a clamping hole using the 1/4-20 thread.
- In addition to the 1/4-20 holes, the plate also has (16 **Red**) 10-32 holes which are positioned to mount our Sherline **rotary table** and **tilting angle table**.
- There are (5 **Black**) 1/4" through holes for locating the tooling plate square to the table.
- There is one (**Purple**) 5/16" oiler access hole so you can fill the mill saddle oiler without removing the tooling plate.
- There are (10 **Blue**) T-nut mounting holes to assemble the plate to our mill table.

See diagram below for hole location and description.



Click on diagram to view a larger image.

For more details on the 2-axis machines slides with exploded views, [CLICK HERE](#).

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Our machines are small in size, but they are capable of making precision parts out of steel, aluminum, brass, or softer materials such as wood and plastic. All of our products are made in the USA. These machines are perfect for light-industrial and home-shop use.

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