

AutoGraver[®]

Accessories & Instructions

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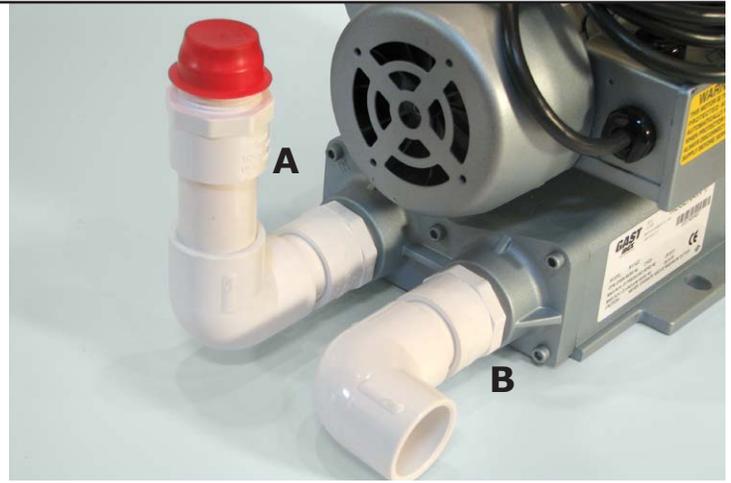
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Scott Machine Development Corp.

200 Prospect Ave., Walton, NY 13856
Tel: 607/865-6511 8:30-5:00 ET M-F
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AutoGraver[®] Vacuum System



Assembly Instructions

- 1 Install the air intake piping on the blower assembly in Position A marked "IN". Tighten snug to prevent an air leak. Thread sealant has already been provided. Take care to position the pipe vertically for later installation of the container.
- 2 Thread the exhaust piping on the blower assembly in Position B marked "OUT". Point the elbow to direct exhausted air away from the vacuum unit.
- 3 Install the chip container by threading the bottom fitting on the intake piping at Position C and tighten.
- 4 Finally, thread the hose fitting into the container lid at Position D and connect the hose to your engraver.



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AutoGraver-Vacuum-Instructions-June2016

AutoGraver®

Engraving Table Tacky Mat

Engraving Table Tacky Mat—the new, revolutionary engraving hold down mat, designed to make your engraving jobs easier and faster! It is a double-sided mat which can be applied to virtually any engraving table top to provide a stable, self sticking surface for practically any flat engraving material. No more problems with difficult engraving stock to hold down—perfect for brass, aluminum, flexible engraving stock, acrylic, phenolic, and most other types of engraving material.

It is a durable rubber-like material with a rigid core that has special holding properties—engraving stock will not move from side to side, but after engraving it can be easily lifted. This amazing product can be used over and over again and cleans with the most common cleaner in the world—water! No special chemicals or cleaner required.

The mat leaves a slight oily residue on the back of the piece you are engraving. If you wish to adhere anything to the back of the engraved piece, the residue can easily be removed with a cloth and rubbing alcohol.

Why Use Tacky Mat?

Hold down mat offers double the value, as both sides of the mat are usable.

It is easy to use—just press it in place on any size engraving table and it is ready to go.

No more problems with difficult to hold down engraving stock—perfect for brass, aluminum, flexible engraving stock, acrylic, phenolic, and most other types of engraving materials.

It can be used on laser engraving systems to keep warped material flat while being processed.

It completely eliminates the need for clamps, double-stick tape, vacuum tables, or other expensive and time consuming hold down methods.

It is easily rejuvenated by merely cleaning with running water and a soft sponge.



1 Align the tacky mat on the bed.



2 Place your material on the mat. A light touch will hold it in place.



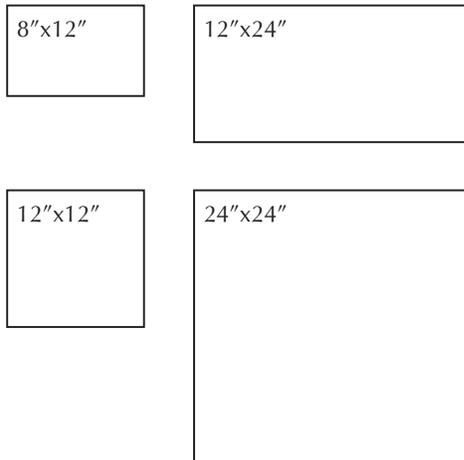
3 That's it! Engrave your workpiece as the mat holds it securely in place. When you're done, just peel it off.

User-Friendly Instructions

- 1 Align the tacky mat on the bed. It is easily repositioned if needed.
- 2 Place your material on the mat. A light touch will be sufficient to hold it securely in place.
- 3 That's it! You are ready to engrave your workpiece. When you're done, the material peels off the mat. The mat can also be peeled from the engraver and cleaned with water.

Engraving Table Tacky Mat Standard Sizes

Tacky Mat is sold in four standard sizes which can be cut with a standard plastic shear, or with a common box cutter and straight edge by the end user. The rigid core prevents low spots on T-slot Tables, as well as durability. Both sides of the mat are usable should one side become worn. The mat can be turned over, thereby presenting a brand new surface.



Frequently Asked Questions

How long will Tacky Mat last?

The life span depends on many factors, including type of use, proper cleaning and handling, but the average user can expect many months of use. One great advantage is that it is double-sided, thereby providing double the life span when compared to other single side products.

What is the cleaning procedure?

Cleaning hold down mat is simple and easy. Merely use a soft sponge and running water to remove chips, dust, or dirt, and then allow to dry. No chemical cleaners are required.

How is it affixed to the engraving table top?

No double-stick tapes, vacuums, or clamps are necessary. The mat can be removed and stored, then reinstalled by placing in to position. No other hold down system is so fast and easy to use.

Is there any clean up required?

For most situations the answer is no, however it does leave a slightly oily residue on the back of some engraving plates. If you wish to use double-stick tape as a plate mounting system this residue can be easily removed with a cloth and rubbing alcohol, or the tape can be applied to the plate before engraving, and then used with the mat.

What happens if I engrave through the engraving material into the mat, is it ruined?

The tacky mat has a self-healing feature. Small cuts in the surface should not cause a problem, and seem to heal. Of course, continued cuts over a long period of time will degrade the effectiveness. Many small enclosed cuts (closed paths such as a series of circles or squares) could cause sections of the mat to come out, which of course would degrade its performance.

It seems expensive, how can I justify paying that much?

Although it will wear out eventually, it is not really a consumable item like double stick tape or labor. It makes life a lot easier on the engraver, and will pay for itself quickly in time saved and ease of use. When the cost of double-stick hold down tape, along with the associated time and labor needed for application and removal is figured in, then it becomes even more cost effective.

How is the mat sold, and how do other engravers utilize it to their best advantage?

Hold down mat is sold in standard sizes: 8x12", 12x12", 12x24", 24x24" and can be cut to size with a standard plastic shear. Some users will cut the mat to their table size. Others prefer to cut their mat into several equal parts corresponding to the size plate they most often engrave. They then use one and keep the others in reserve.

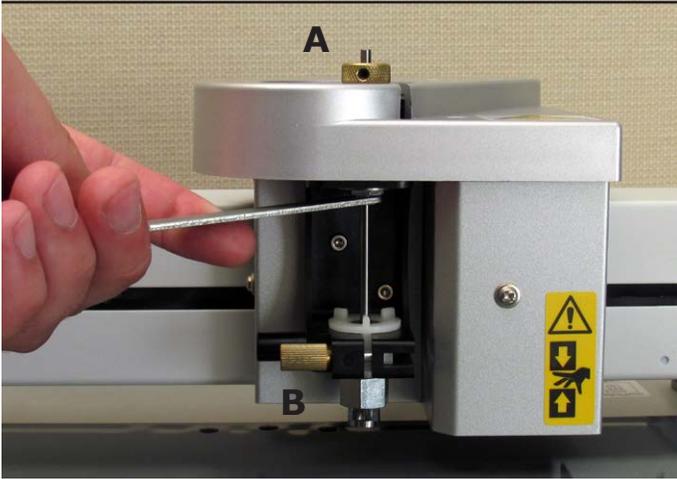


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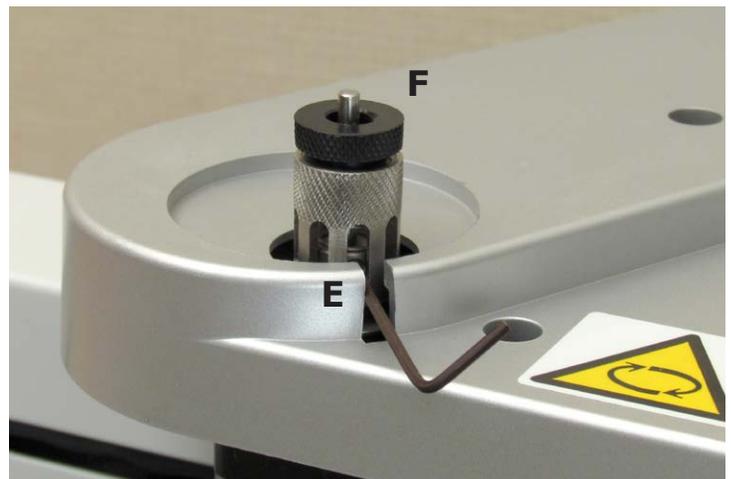
Burnishing Tool



Burnishing Instructions

- 1 Remove the engraving tool holder and cutter (A) from the top of the spindle. Place small end of wrench on the upper flat as seen in photo. (Note that it is a left-hand thread, so turning clockwise will loosen.)
- 2 Remove the depth regulator nose (B). Use the big end of wrench and then continue to unscrew by hand.
- 3 Screw the burnishing tool holder (C) into the top of the spindle. (Note that it is a left-hand thread, so turning counter-clockwise will tighten.)
- 4 Position the piece to be burnished on the machine. Move the spindle over the piece and press the Set Surface key to lower the spindle.
- 5 Insert the burnishing tool (D), and push it down against the material to be burnished.
- 6 Lightly tighten the set screw (E) in the burnishing tool holder.
- 7 Press the Set Surface key again and the spindle will raise. Loosen the set screw and lower the burnishing tool by hand, approximately 1/32" (.030). Retighten the set screw.
- 8 You are now ready to burnish. The burnisher can be adjusted by repeating the previous step. If you are burnishing too deep, raise the burnishing tool. If the burnisher is skipping across the surface, lower the tool.

NOTE: Tension nut (F) is used to increase or decrease tool pressure. Turn clockwise to increase or counterclockwise to decrease pressure.



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