

UNIVERSAL SHEET METAL MACHINE - ROLLING, BENDING & CUTTING 3 IN 1



- 3 x Rollers including rear pinch roll and top slip out roll.
- 4 x holes for locking the equipment.
- Segmented press brake tooling for box and pan folding up to 90°.
- Hardened and ground reversible shear blade.
- Front squaring arm and rear back stop.
- Operating handle can be left or right side.
- With adjustable back stop.
- Contains 4 adjustable V-shaped carbon steel dies for making compound bends.
- A must have equipment in the tool room.

GARVIN[®]
T O O L S

Cat No.	BLADE LENGTH	OVERALL DIMENSION	BENDING ANGLE
GUB-5205	200mm	250x180x250 mm	0 - 90 Degree

How to Use

Using a Universal Sheet Metal Machine that offers rolling, bending, and cutting capabilities in one can be a versatile tool for various metalworking and sheet metal fabrication tasks. Here's a general guide on how to use such a machine:

Safety Precautions: Before you begin, make sure to take the necessary safety precautions. This includes wearing appropriate personal protective equipment (PPE), such as safety glasses, ear protection, and gloves. Ensure that the machine is on a stable surface and that you have read the machine's manual and are familiar with its specific safety guidelines.

1. ROLLING:

- **Set up the machine:** Ensure the machine is properly set up and secured to a stable surface. Adjust any clamps or locking mechanisms to keep the machine in place.
- **Adjust the rolling rollers:** Depending on the thickness and width of the metal sheet you are working with, adjust the rolling rollers to the appropriate position. The rollers can typically be adjusted using the machine's knobs or levers.
- **Feed the metal sheet:** Place your metal sheet into the rollers and adjust the entry guide to ensure that the sheet enters the machine correctly. The rolling process will pull the metal sheet through the rollers and curve or roll it to the desired shape.
- **Roll the metal sheet:** Turn the machine's handle or use the motor (if available) to start the rolling process. Gradually feed the sheet through the rollers, applying even pressure to shape the metal according to your requirements.
- **Check the result:** Once the metal sheet has passed through the rollers, inspect the curve or shape. Make any necessary adjustments and rerun the sheet if needed.

2. BENDING:

- **Adjust the bending ake:** If your machine includes bending capabilities, set the bending ake to the desired angle or degree. The bending ake may have adjustment knobs or levers for this purpose.
- **Position the metal sheet:** Place the metal sheet between the bending ake's upper and lower jaws. Ensure that it is correctly aligned with the bending line.
- **Apply pressure:** Use the machine's handle or motor to apply pressure, bending the metal sheet to the desired angle or shape. Take it slowly, especially if you are working with thick or stiff metal sheets.
- **Check the result:** Inspect the bent metal sheet for accuracy and adjust as necessary.

3. CUTTING

- **Set up the cutting blades:** If your machine has cutting capabilities, make sure the cutting blades are properly adjusted and in good condition.
- **Mark the cutting line:** Use a marker or scribe to mark the cutting line on the metal sheet.
- **Position the metal sheet:** Place the metal sheet under the cutting blades, ensuring that the marked line is aligned with the cutting edge.
- **Activate the cutting mechanism:** Depending on the machine, you may need to use a lever, handle, or motor to activate the cutting blades. Apply consistent pressure to cut the metal sheet along the marked line.
- **Check the cut:** Examine the cut edge to ensure it is clean and accurate. Make any necessary adjustments to the cutting blades if the cut is not as desired.

Remember that the specific steps and features of your universal sheet metal machine may vary, so always consult the machine's manual for detailed instructions. Additionally, practice on scrap pieces of metal to gain proficiency with the machine before working on your final projects.



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