

Laser Turning Guide Instructions

ASSEMBLE



1. Attach the Upright Support Arm to the Universal Mounting Base using the threaded end and the supplied lock washer.
2. Slide the Height Stop Ring on to the Upright Support Arm and secure with knob.
3. Slide the 90° Bi-Directional Bracket on to the Upright Support Arm until it contacts the Height Stop ring. Secure with knob.
4. Insert the Laser Support Arm into the other opening on the 90° Bi-Directional Bracket & secure with knob.
5. Insert the Laser Pointer into the opening on the end of the Laser Support Arm and secure with knob. Caution: DO NOT over tighten knob as doing so May Damage Laser.

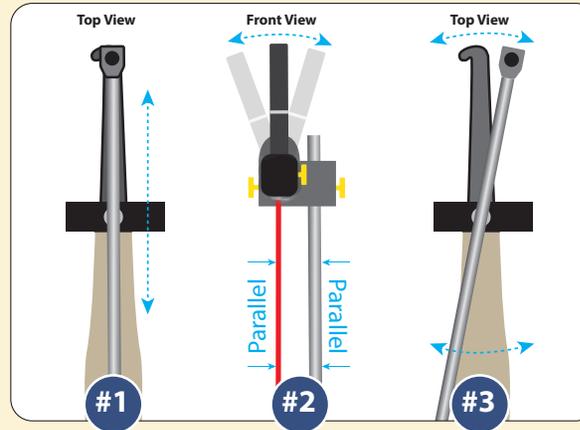
Assembled Turners Laser Guide should resemble the shown photo above.

⚠️ WARNING

⚠️ LASER RADIATION

DO NOT LOOK OR STARE DIRECTLY INTO LASER BEAM OR VIEW WITH AN OPTICAL INSTRUMENT. MAY CAUSE PHYSICAL INJURY OR BLINDNESS.

ALIGN & CALIBRATE



1. Insert your turning tool into the Universal Mounting Base so the ferrule of the tool fits comfortably into the base opening. Secure with the two lock knobs. When securing your tool, tighten both knobs evenly.
2. Adjust the Height of the Laser support arm in relation to the project size you are turning. You do this by loosening the Height Stop Ring and 90° Bi-Directional Bracket. Make sure that you have a min. 1" clearance between the project and bottom of the laser pointer.
3. Loosen the knob on the 90° Bi-Directional Bracket so the Laser Support arm can be adjusted. Slide the Laser Support Arm back and forth until it aligns with the cutter head of your turning tool as shown above in drawing #1.
4. Rotate the Laser Support Arm so that the laser pointer is parallel to the Upright Support Arm as shown above in drawing #2. Lock into place by securing the lock knob.
5. Making sure the Height Stop Ring is secure and the Laser Pointer is turned on, loosen the other knob on the 90° Bi-Directional Bracket and pivot the Laser Support Arm side to side as shown above in drawing #3 until the laser aligns to the edge of your cutter head.

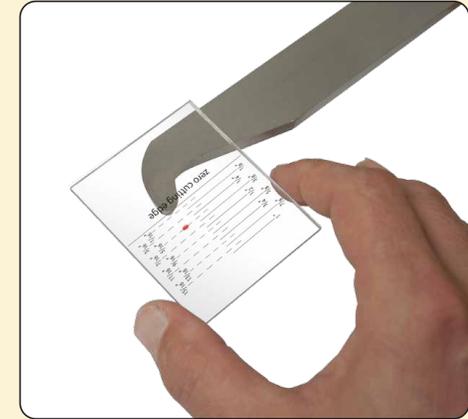
CAUTION

When setting the height of the Laser Support Arm be sure to leave enough space for the vessel. Failure to do so may result in injury or damaging the laser or turning tool.

Shop Note:

You may need to make adjustments to the Laser Support Arm (in and out, side to side and rotation) to achieve proper alignment.

OFFSET THE LASER



The Thickness Gauge lets you set your Turners Laser Guide for the wall thickness of your vessel. This is especially useful when you need to have a narrow or real thin vessel wall.

1. With your turning tool already inserted and properly aligned with Turners Laser Guide, place the Thickness Gauge onto the top of the cutter head of your turning tool.
2. Align the Thickness Gauge so that the "Zero Cutting Edge" line is on the leading cutting edge of your tool.
3. Loosen the 90° Bi-Directional Bracket knob so that you can freely pivot the Laser Support Arm (as shown in step 5, drawing #3 - ALIGN & CALIBRATE section of these instructions).
4. Decide what thickness you want your vessel wall to be, turn on the laser pointer, and align the laser to the desired mark on the thickness gauge. Secure the Laser Support Arm with the lock knob.