



Laser Marking Technologies

(Original Instruction)

Instructions for Rotary Marking

COBALT LT

Thank you for choosing LMT for your laser needs!

please feel free to contact us per the methods listed below.

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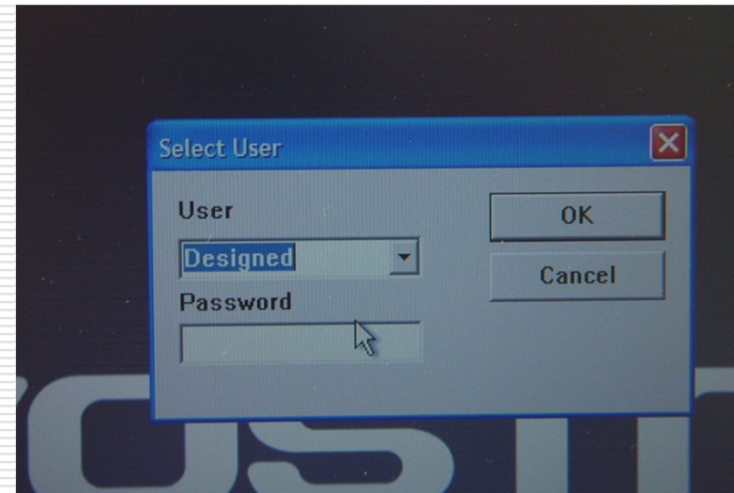
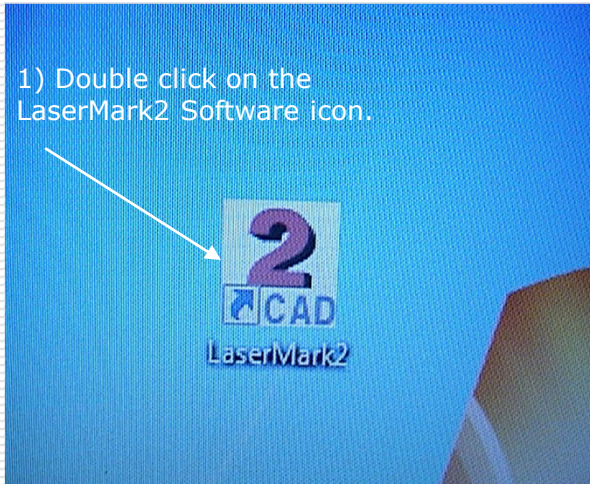
Sales: leo@gsetechnology.com

Phone: +31(0)493 35 21 21

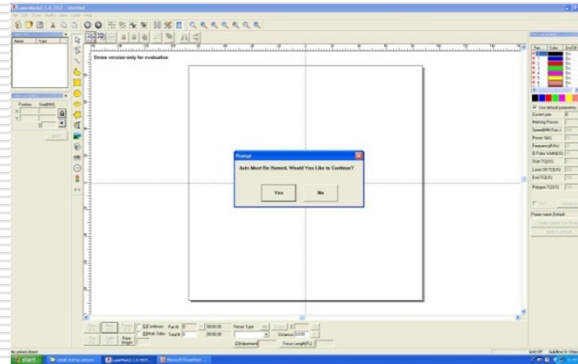
Fax: +31 (0)493 35 21 25

Double click on the Lasermark2 software.

1) Double click on the LaserMark2 Software icon.



3) The LaserMark 2 software will open up.



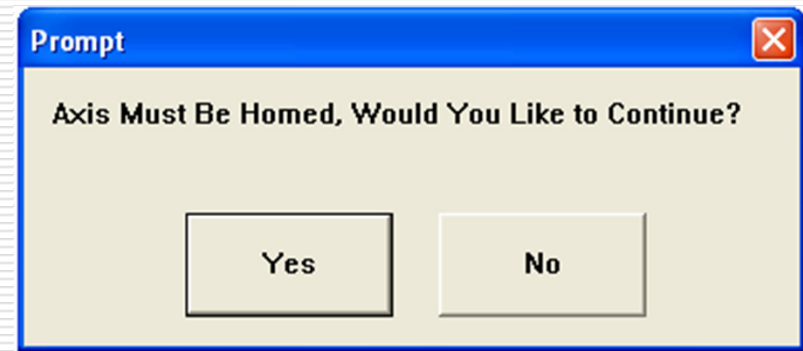
2) Select DESIGNED, then click ok.
Note. (no password needed)

Setting the Z-Axis to zero

Follow steps in order.



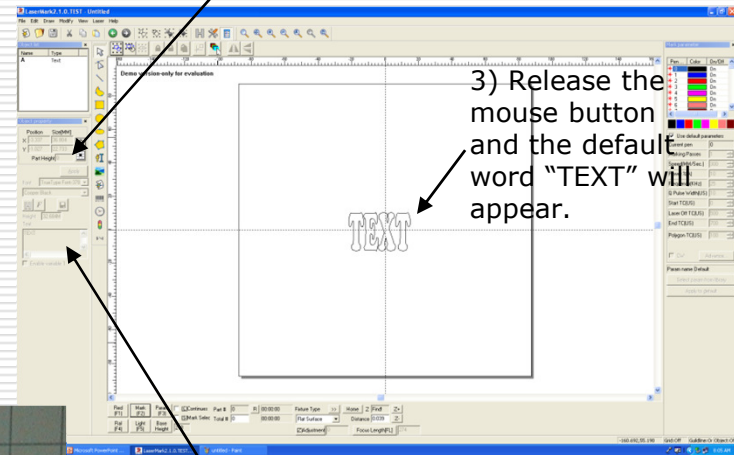
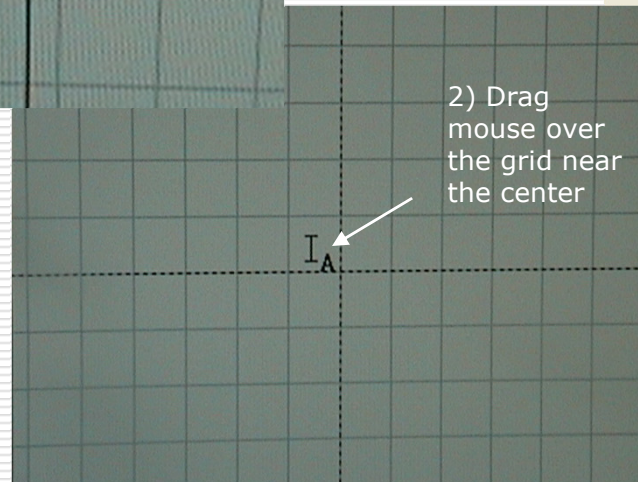
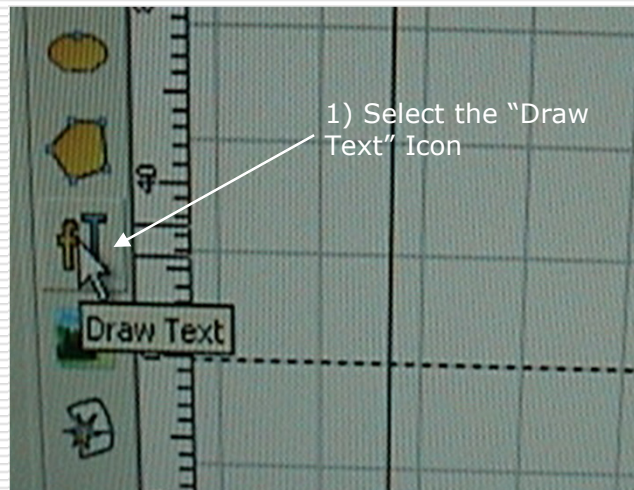
1) Remove lens cap



2) Click YES to home the Z axis.

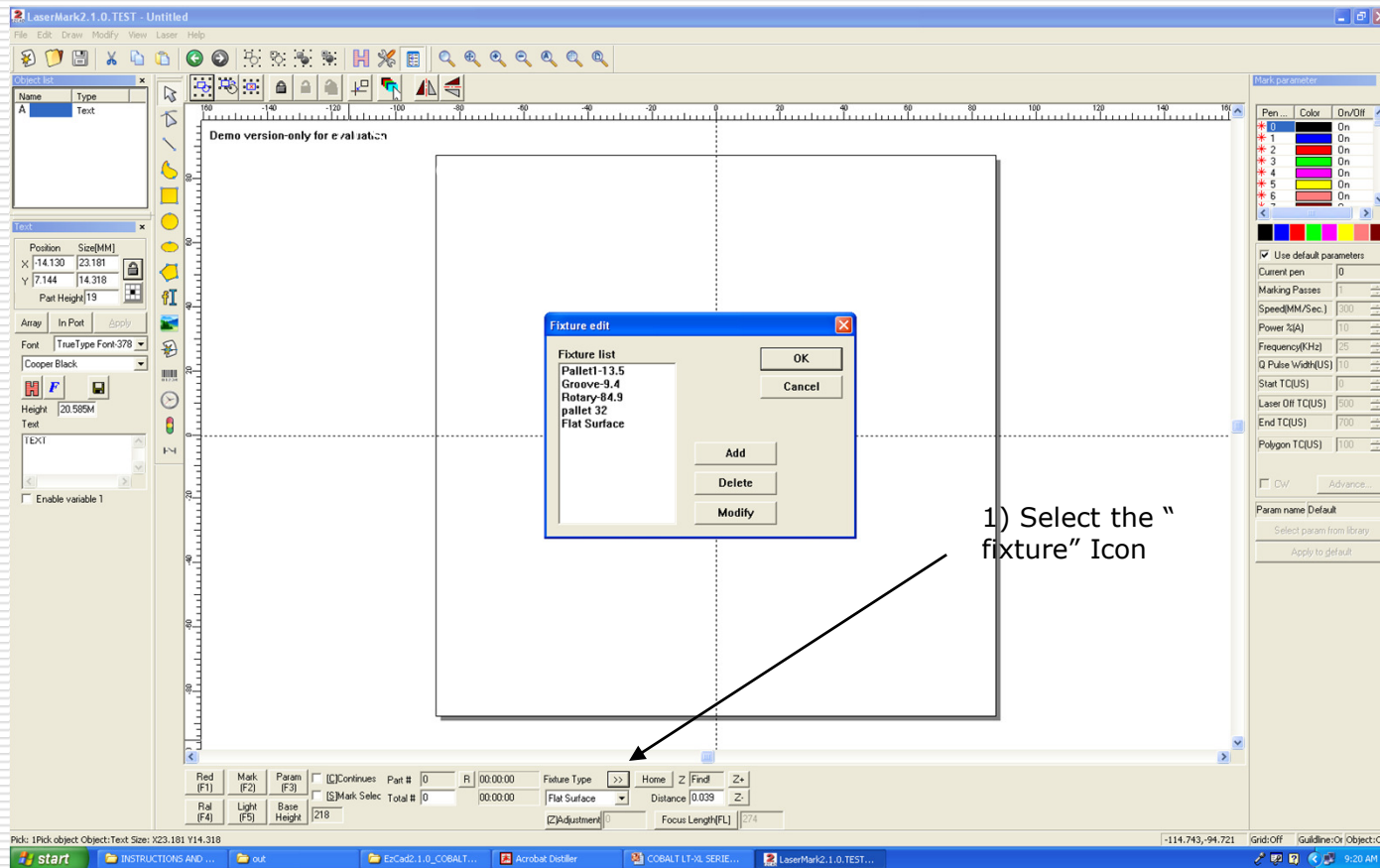
Entering a simple line of text.

4) Insert the part
Diameter



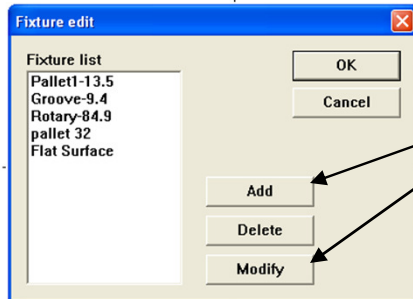
5) The text can then be modified here. (NOTE: You must select the "apply" Icon after any changes)

Selecting the Fixture Type

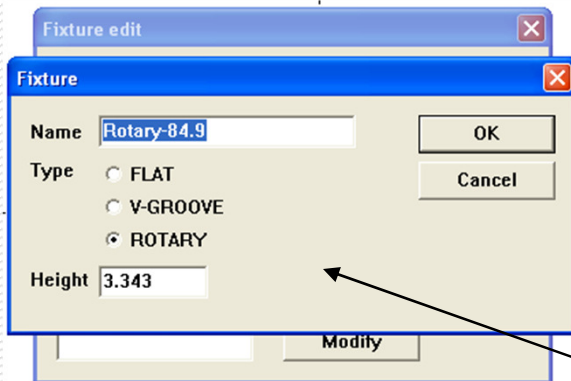


Note: If your machine was purchased with a Rotary, the Rotary fixture will already be set to the correct height, and this step will be unnecessary.

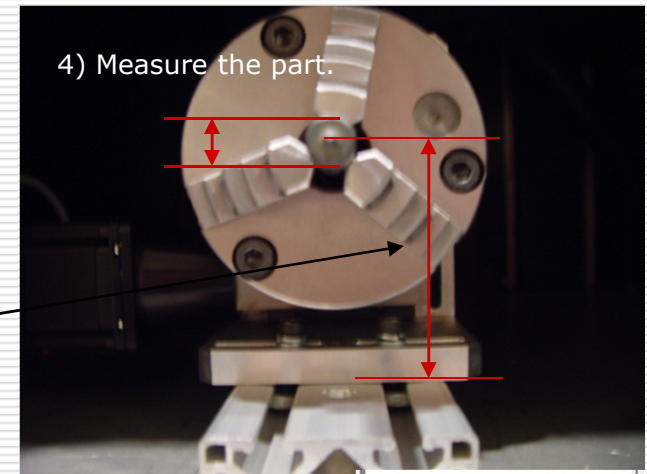
Making a Rotary Fixture



1) Add or modify existing fixture.

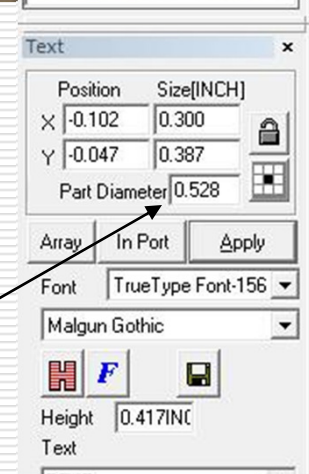


2) design fixture.



4) Measure the part.

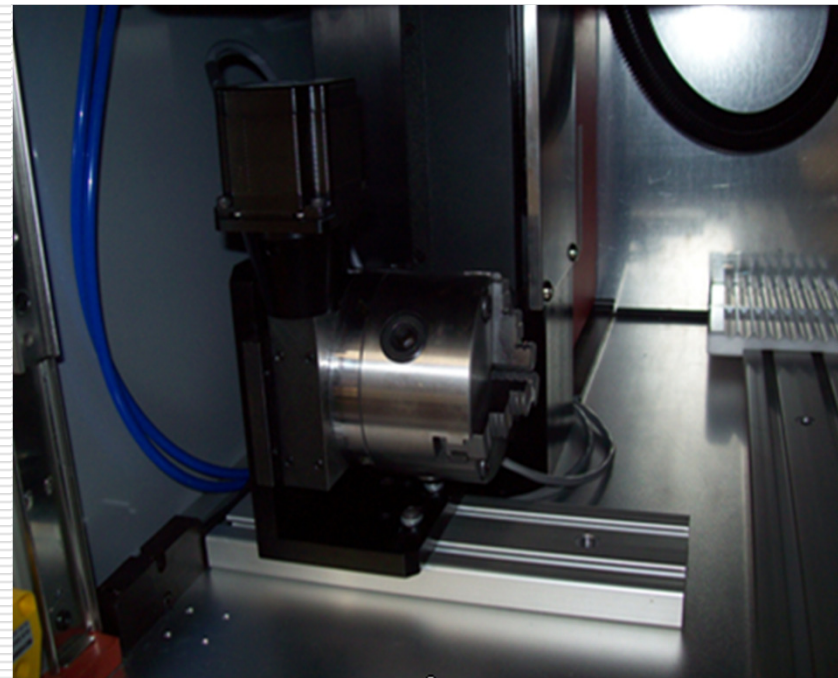
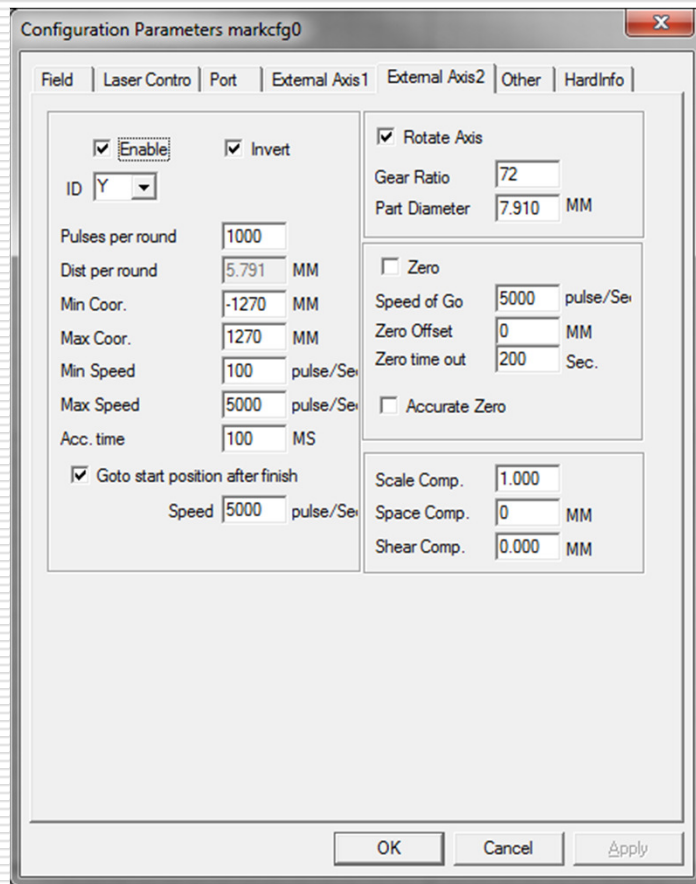
3) Measure from center line of the rotary to the top of the table surface.



5) Enter the Diameter of your part.

Note: If your machine was purchased with a Rotary, the Rotary fixture will already be set to the correct height, and this step will be unnecessary.

Rotary-Y Direction Setting



Setting up general marking parameters.

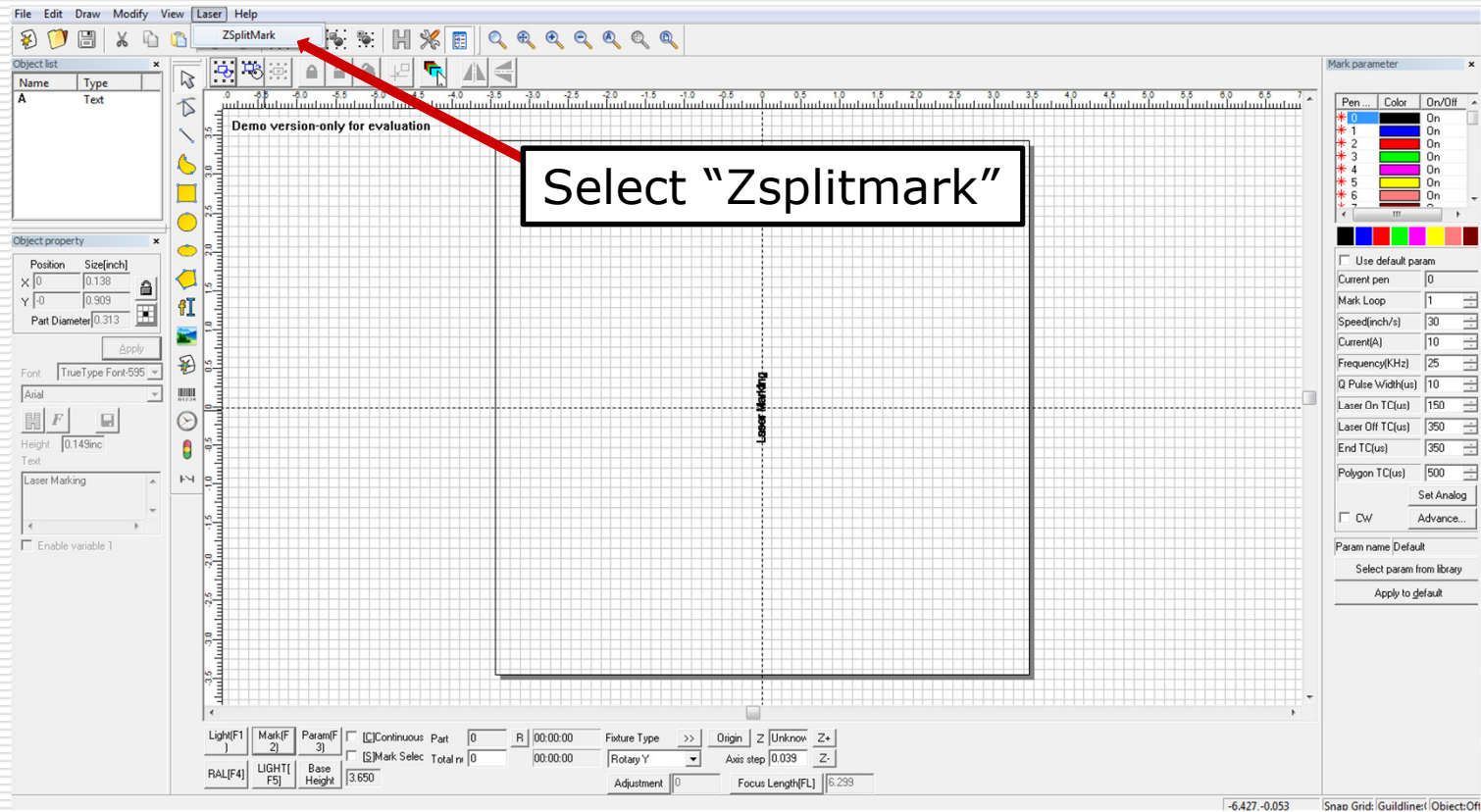


General parameter in inches "starter settings".

A screenshot of a software window titled 'General parameter in inches "starter settings"'. The window contains a list of parameters with their current values and units. A black circle highlights the 'Use default parameters' checkbox at the top left. Below the list of parameters, there are buttons for 'Advance...', 'Select param from library', and 'Apply to default'.

Param name	Default
Current per	0
Marking Passes	1
Speed(INCH/Sec.)	12
Power % (A)	10
Frequency(KHz)	25
Q Pulse Width(US)	10
Start TC(US)	0
Laser Off TC(US)	500
End TC(US)	700
Polygon TC(US)	100

Entering "Split Mark" Mode



Split Mark Screen

When this box is checked, the rotary will move to center in between the red dashed lines you have inserted onto the screen (when using, be certain that no unwanted lines are outside of your viewing area by first scrolling right/left then up/down)

"Origin" buttons are used to home the axis's if they had not previously been homed (z axis is most often homed when the software is opened and the rotary "Y" axis does not have a home switch—making it unnecessary to home as well).

The "Axis step" field is the distance you can manually move the axis's by holding down the "ctrl" key and pushing the left/right arrow keys for the rotary and the up/down arrow keys for the Z axis

If "Mark by split line" is unchecked, this is the field that determines the spacing of the rotary move for each section of marking. (if the circumference of your part was a total of 1", a .25" split size would split the marking into 4 pieces.

Double click anywhere to add a split line/ right click on a line to delete the line/ left click and drag a line to move it anywhere

It is most convenient to place splits between letters/objects so the entire letter is marked before the move, and a split is not created on the letter itself during marking.

Will allow you to exit "Split mark" mode and modify text or mark regularly

Will ask you to move the z into position (see next page) and will display a box where the marking will be.

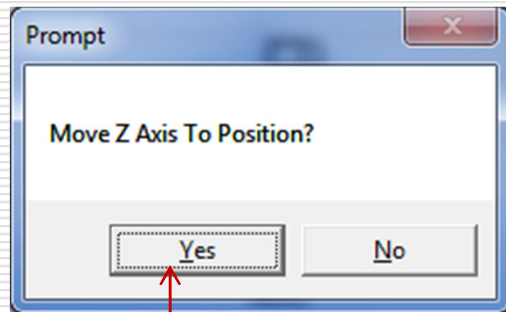
With the door closed and the focal distance checked (see next page), click mark, and the marking process will begin with automated rotary movements in between markings according to the split scenario.

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Checking Focal Distance

Use the focal stick to check the focal distance. The stick will go between the top of your part and the rim on the lens. Note: NOT THE GLASS



Click yes (the z should move to position), then check your focal distance and positioning of the marking on you round part



Thank You

**FOR CHOOSING LMT AS YOUR LASER
MARKING PARTNER**

**For technical support call
TOLL FREE (866)-799-0199
Ask for technical support.**