

# Laser Pointer

## Torch and Plate Alignment Tool

### Overview:

The Laser Pointer allows the operator to physically identify the edge or other feature of the plate with a known location on the cutting machine.

### Features and Benefits:

#### Plate Alignment:

- The Laser Pointer is used by the operator to physically identify the edge of a plate by locating 2, 3 or 5 points along an edge.
- To use the Laser Pointer for plate alignment, the operator activates the plate alignment routine (part program rotation). Once the necessary points are identified, the entire part program is automatically offset (rotated) to the actual plate radial position.
- Then, the part program can be executed to cut the part or nest as if the plate were square to the machine axes.
- This feature simplifies set-up, reduces cycle time and eliminates scrap.

#### Layout Assistance:

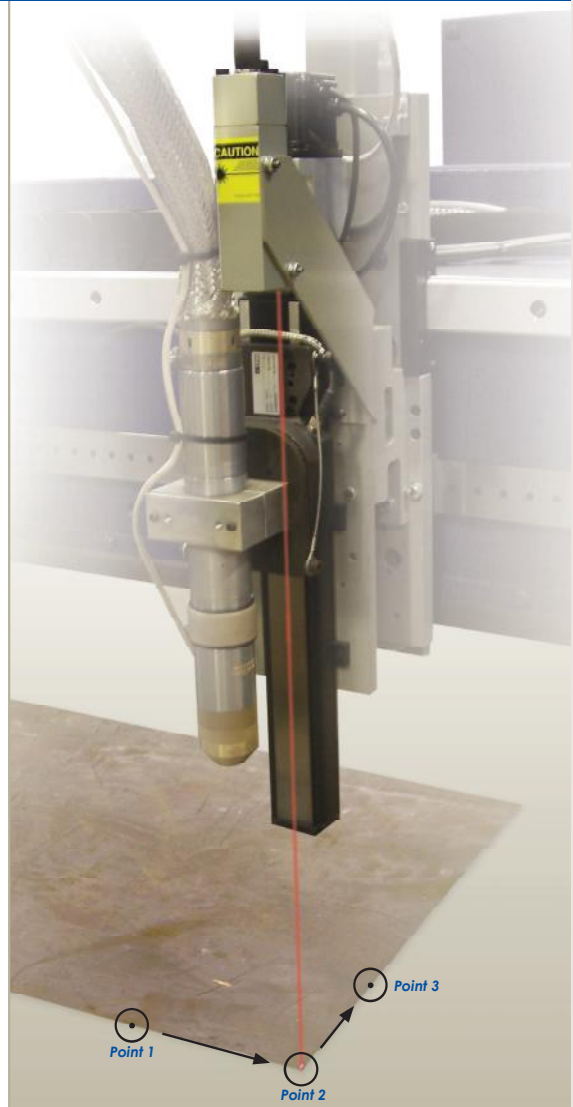
The red dot on the plate created by the Laser Pointer can also be used by the operator during a Dry Run cycle to trace the actual path that will be taken by the cutting or marking tool. This added benefit helps to reduce scrap by minimizing material usage and guaranteeing the part or nest will fit on the plate.

### System Description:

Up to four (4) Laser Pointers can be mounted on separate carriages. The Laser Pointer can be set to one of three states on the Global Control: On, Off or Auto. In the "Auto" position, the Laser Pointer will come on automatically when required to aid in plate alignment and will turn off automatically during the actual cutting or marking process.

### Application:

Available on all Messer machines.



(3 point alignment shown)

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OPTIONS

TABLES

CONTROLS

CUTTING MACHINES