

Three Point Alignment Shown



# LASER POINTER

Torch and Plate Alignment Tool

Messer Cutting Systems Laser Pointer allows the machine operator to identify the plate edge or feature of the plate with a known location for proper alignment or layout.

## FEATURES AND BENEFITS

### Manual Plate Alignment:

- Allows the operator to easily identify the edge of a plate by locating 2, 3 or 5 points along an edge.
- When activated, the plate alignment routine (part program rotation) identifies necessary points and the part program automatically offsets (rotates) to the actual plate radial position.
- Once aligned properly, the part program can cut the part or nest as if the plate were square to the machine axes which simplifies set-up, reduces cycle time and eliminates scrap.

### Layout Assistance:

- The Laser Pointer creates a red dot on the plate that can be used during a dry run cycle to trace the path that will be taken by the cutting or marking tool. Layout assistance is an added benefit to any Messer machine as it helps reduce scrap by minimizing material usage and guarantees the part or nest will fit on the plate.

### Automatic Plate Alignment:

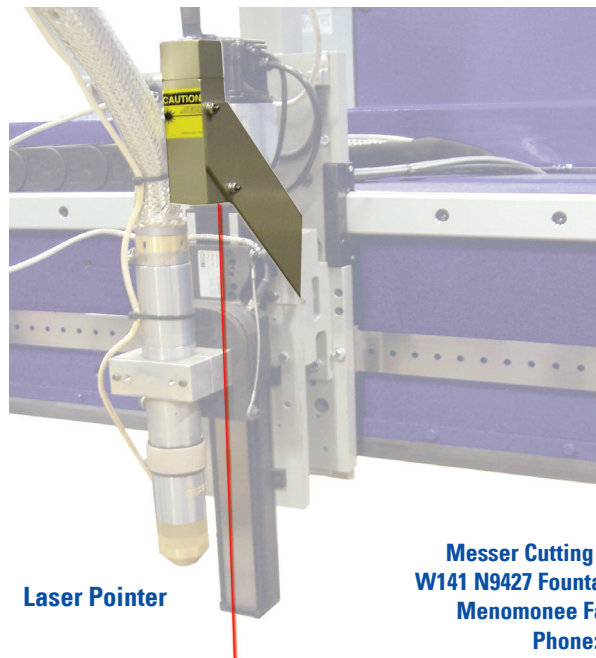
- The optional automatic mode allows the laser to automatically detect the edge(s) of the plate and locates the corner with superior accuracy, saving time versus manual operation.

## SYSTEM DESCRIPTION

Up to four Laser Pointers can be mounted on separate carriages, and set to one of three states on the Global Control on, off, or auto. In the "auto" position, the Laser Pointer will turn on automatically to aid in plate alignment and turnoff automatically when cutting or marking.

## APPLICATION

Available on all machine models.



Laser Pointer

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