

# TL170

## Oxyfuel Lifter

### Overview:

The TL170 lifter provides motorized vertical positioning of an oxyfuel torch at 40 inches per minute with 6.7" of stroke. Smooth positioning of oxyfuel torches including the MG TurboFlame® cutting torch.

The TL170 provides accurate oxyfuel torch positioning using smooth ballscrew drives. The TL170 lifter utilizes the Safe Raise Height feature in the Global Control S to increase productivity by allowing machine motion while the torch is fully retracting. The lifter reacts quickly to automatic height sensing signals from the optional Sensomat PAN height sensing devices or from manual up and down commands initiated by the operator.

### Features and Benefits:

- Precision ball screw provides smooth positioning of the cutting or marking tool.
- 40 inches per minute (IPM) vertical speed with Safe Raise height minimizes non-productive time.
- Manual positioning of the lifter through the Global Control S operator panel.
- Provides a 6.7" range of travel. Manual adjustment also available in torch holder.

### System Description:

To raise or lower the torch, the operator simply presses the up or down button on the Global Control S. The lifter will move at rapid speed if a button is pressed for longer than 2 seconds. An operator may tap the button to move at a reduced speed to accurately control the lifter.

The optional Sensomat PAN automatic height sensing can be added to maximize the performance of the lifter. Automatic height sensing allows for unattended operation, minimal preheat times and helps to prevent damage to the torch. The operator simply presses the Cycle Start button and all torches come down to the correct height for preheating the material. After the cutting process begins, the patented Sensomat technology accurately maintains the correct cutting height to provide excellent cut quality and accurate cut parts.

### Application:

Available on EdgeMate and EdgeMaster machine models.

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*Shown with optional FT100 torch ignitor and Sensomat PAN automatic height sensing.*

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