Shown with optional FT100 Torch Igniter and SensoMat®-PAN automatic height sensing.

MESSER
Cutting Systems

EL-170
OXYFUEL LIFTER

Messer Cutting Systems EL-170 Oxyfuel Lifter provides motorized vertical positioning of an oxyfuel torch at 118 IPM with 6.7" of stroke.

The EL-170 Oxyfuel Lifter provides accurate oxyfuel torch positioning using smooth ballscrew drives. The EL-170 Oxyfuel 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.**

- **118 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 vertical travel. Manual adjustment also available in torch holder.**

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SYSTEM DESCRIPTION

To raise or lower the torch, the operator presses the up or down buttons on the Global Control[s]. The lifter will move at rapid speed when button is pressed for longer than two seconds at a reduced speed when the button is tapped.

An optional SensoMat®-PAN automatic height sensor can be added to maximize the performance of the lifter. Automatic height sensing allows unattended operation, with minimal preheat times which helps to prevent damage to the torch. When operator presses the "Cycle Start" button, all torches move to the to the correct height for preheating the material. After the cutting process begins, the patented SensoMat®-PAN accurately maintains the correct cutting height to provide premium cut quality and accurately cut parts.

APPLICATION

Available on the PlateMaster II machine model.