



LEVITATOR HEIGHT CONTROL SENSOR AND TORCH LIFTER

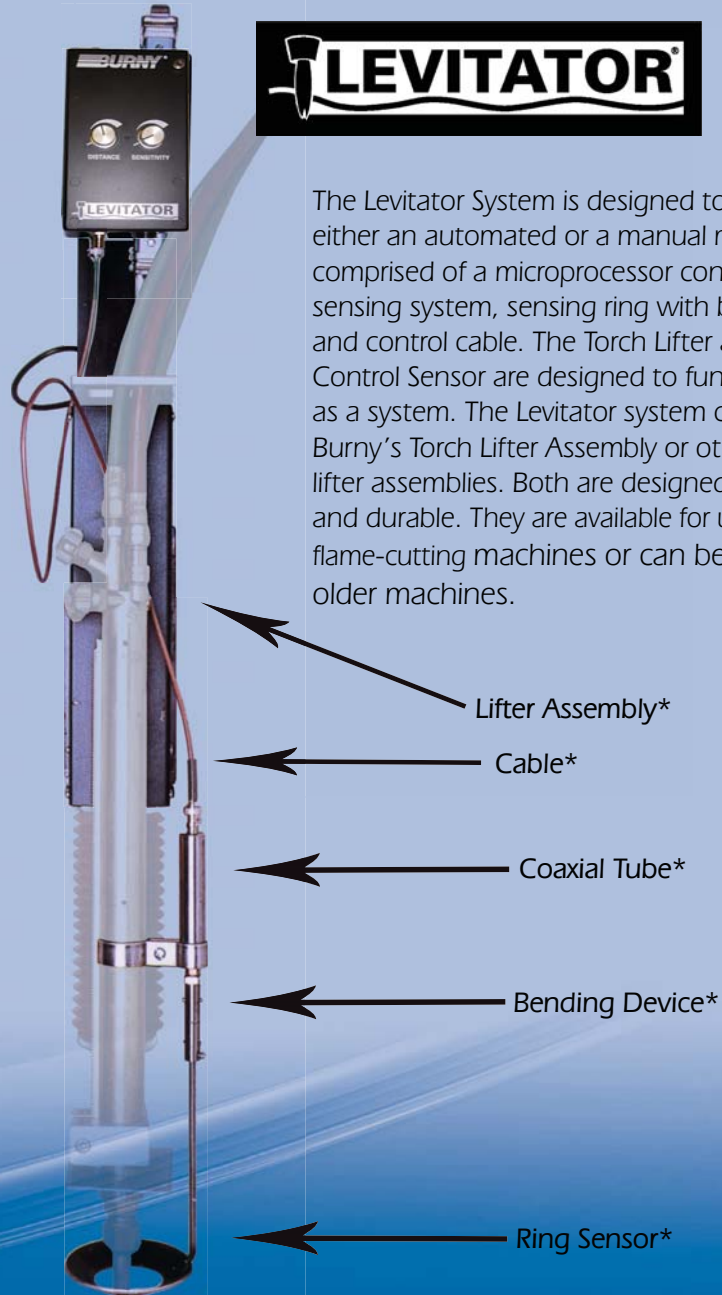
Burny Levitator systems automatically maintain the optimum distance between a flame cutting torch and steel plate

- Improves cut quality and reduces scrap
- Numerous design features and performance benefits maximize productivity
- Interface to many different motor configurations
- Available with new machinery or to retrofit existing torches
- Available as a complete system including sensor ring, cable and bending device or as a stand alone control console

The new Levitator System makes it easy for operators of gantry or cantilever shape cutting machines to maintain an optimum cutting distance between the torch tip and the steel plate. It is available from the Burny Division of Cleveland Motion Controls, the global leader in dedicated shape cutting controls and drive systems that improve productivity and reduce costs. By maintaining a constant working distance between the torch tip and the plate, the Levitator System provides consistent high quality cuts, provides faster and more reliable piercing cycles, and enables the machine to cut at maximum speeds. With consistent quality and accuracy, it reduces scrap. In addition, the Levitator System can maximize productivity with automation by freeing the operator to perform other tasks while the torches operate unattended.



The Levitator System is designed to operate in either an automated or a manual mode. It is comprised of a microprocessor controlled height sensing system, sensing ring with bending device and control cable. The Torch Lifter and Torch Height Control Sensor are designed to function together as a system. The Levitator system can operate with Burny's Torch Lifter Assembly or other third party lifter assemblies. Both are designed to be rugged and durable. They are available for use with new flame-cutting machines or can be fitted to older machines.



* Available Separately from Burny



LEVITATOR HEIGHT CONTROL SENSOR AND TORCH LIFTER

LEVITATOR HEIGHT CONTROL SENSOR

1. Maintains an optimum distance between the torch tip and the steel plate through non-contact capacitive measurement.
2. Available in a variety of models (see datasheet):
 - With a tristate relay stepped output (AR50 or CHC6)
 - With a PWM (pulse-widthmodulated) servo linear output (AR300)



MOTORIZED TORCHLIFTER

1. Mechanism consists of a motorized lifter, a manual torch holder and miscellaneous torch holder hardware.
2. Heavy-duty lead screw linear actuator design.
3. Compact design for easy mounting.
4. Narrow width (4.00", 85 mm) promotes optimum space utilization of machine cross-axis travel
5. Lightweight (16 lbs., 7.25 Kg.)
6. Permanent-magnet DC drive motor for smooth and precise movement.
7. End of travel up/down limit switches.
8. Depending upon lifter model, unit provides a stroke of up to 10 inches (250 mm), lifter speeds up to 67 inches per minute (1,700 mm).
9. Levitator can be interfaced to the Burny Levitator for Automatic Height Control or it can be operated manually.
10. Rugged and durable construction to withstand severe duty environments.

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