



SL100, SL200, SL300 SMARTLIFTER

Messer Optimized System Technology

Messer Cutting Systems SL100, SL200, SL300 SmartLifter provides productivity enhancing features to produce more parts in a shorter period of time. An adaptive initial height sense system “learns” the height of the plate on the cutting table to quickly position the torch to the correct pierce height. Several process optimizing parameters keep the torch close to the plate between pierces. Messer Optimized System Technology is not limited to plasma torches. Customers with oxyfuel torches, and markers can also benefit from this proven technology.

FEATURES AND BENEFITS

- Torch lifters utilizing Messer Optimized System Technology can reduce cycle times by as much as 30% over previous designs.
- Optimal positioning of the plasma, oxyfuel or laser torch produces quality parts that require little to no secondary operations.
- Time is greatly reduced due to the Adaptive IHS system that “learns” the height of the plate on the cutting table.
- Includes Messer’s arc voltage sampling system to compensate for plasma electrode wear while producing accurate, repeatable parts.
- Process Optimization feature minimizes up/down time of the torch(es) between pierces.
- Automatic Consumable Wear Detection reduces operating costs while freeing the operator to perform other duties.
- Surestop Collision Sensor added to lifter for plasma only.

- **Rapid positioning to optimal pierce height results in less preheat time for oxyfuel torches.**
- **EtherCAT communication system with intelligent inputs/outputs provides increased diagnostic capability with a single cable thus reducing RF noise issues.**

APPLICATION

The SL100, SL200, SL300 SmartLifter is available in nominal stokes of 3.75”, 7.75”, and 11.75” versions for plasma, oxyfuel, and marker applications.



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