

# LZS-003-HS

## Guarding System for High Speed Press Brakes



The LZS-003-HS press brake guarding system offers a highly effective solution for both operator safety and machine productivity. The LZS-003-HS system is Category 4 compliant and meets the world's most demanding international safety standards.

The LZS-003-HS features a laser transmitter and receiver that are mounted on the upper beam of the press. Two continuous parallel flat-band lasers provide a 40mm protective zone directly below the punch, allowing the operator to remain close to the work piece as the tools close at high speed. If an obstruction is detected, the beam movement is stopped so that the punch cannot make contact with the obstruction.

The dual laser design is suitable for high speed press brakes with a fast closing speed of >150mm/s. As the tools close the bottom laser is muted just above the work piece triggering a deceleration of the machine to pressing speed while the top laser continues to provide protection until the tools enter the bending phase of the stroke.

### Benefits

- Ensures maximum safety without compromising productivity.
- Allows tools to close at high speed, increasing productivity.
- Complex shapes can be achieved in high speed with Tray/Box Mode.
- Minimal slow speed travel in each stroke ensures maximum productivity is achieved.
- The intelligent LCD operator control with on-screen instructions and easy to read messages makes the system simple to operate.
- The mute point is automatically detected, easily set and continuously monitored.
- Encoder feedback provides continuous closed loop monitoring of the speed and stopping distance of the pressing beam.
- The laser transmitter and receiver can be quickly moved clear during tool changes, are very easily adjusted and highly tolerant to vibration.

### Key Features



Dual laser system



Fast response time



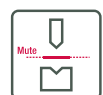
Minimal slow speed for maximum productivity



Safety speed automatically monitored



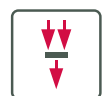
Stopping distance automatically monitored



Mute point automatically detected and monitored



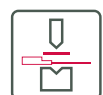
Tray mode for high speed bending of tray and box shapes



Mute stop mode



Vibration Resistant



Sensor blanking eliminates back gauge interference

The LZS-003-HS system is available as standard on new machines from leading press brake manufacturers, or as a retrofit for your existing machine. Contact your machinery dealer or your authorized Lazer Safe installer.



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