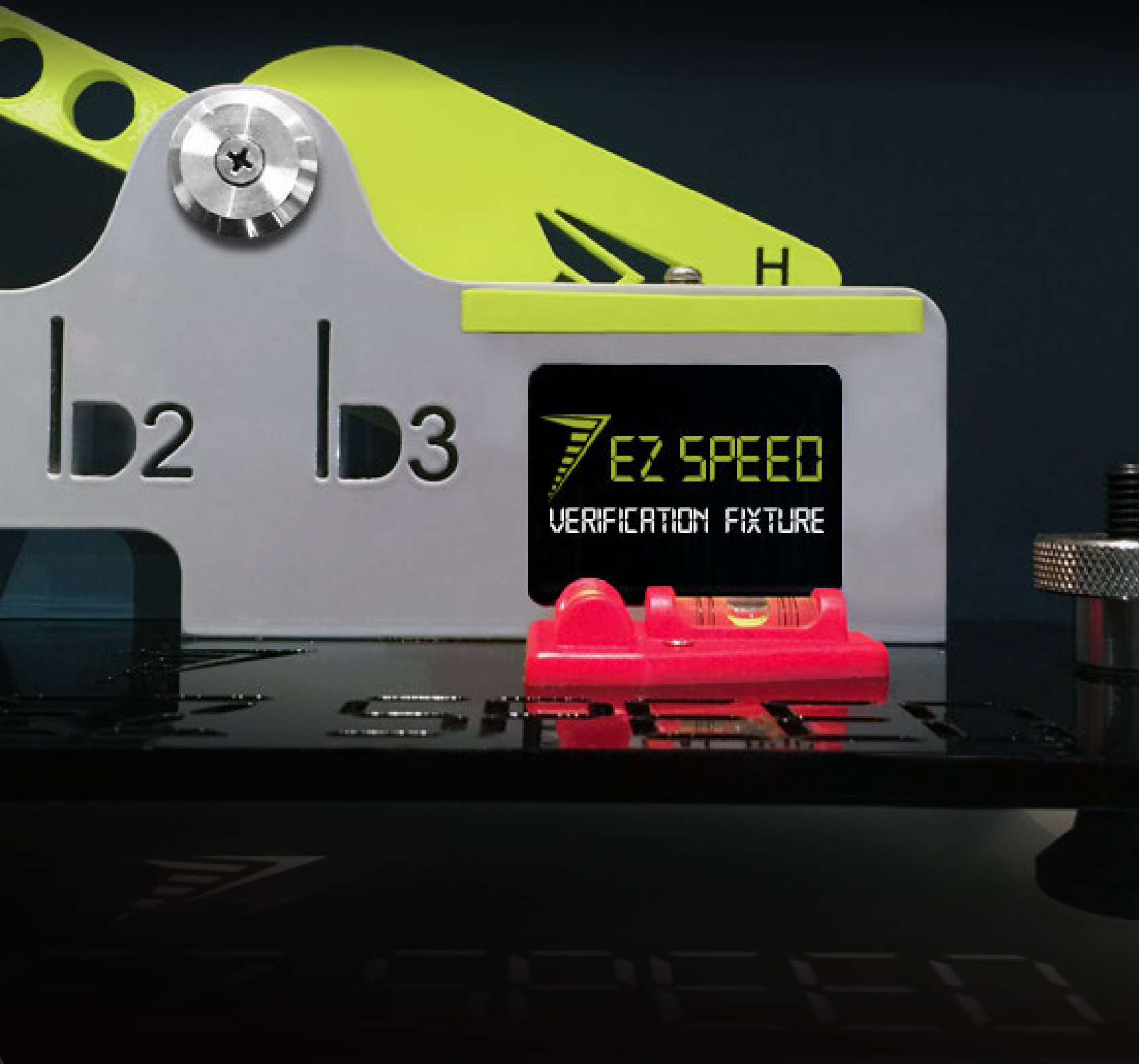




VERIFICATION **FIXTURE**

ENSURES THAT EZSPEED GAUGES ARE MEASURING CONCISELY
AND CONSISTENTLY WITHIN SPECIFIC PARAMETERS



VERIFICATION FIXTURE



★ OPERATION

- The Verification Fixture ensures that EZSpeed gauges are measuring within specified tolerances
- The device uses a simple gravity level to simulate different speeds
- The repeatable speed of the fixture can be used to test repeatability of the speed gauge verifying its performance
- Data is collected from the gauge and compared to the nominal values of the Verification Fixture

+ FEATURES

- Made from high-grade aluminum plates
- Lightweight and easy to use
- Three different distances to provide a wide range of results
- Three different speeds can be measured at each distance, granting nine points of data
- Smooth glossy surface for proper mounting
- Adjustable feet complete with easy-grip knobs to ensure the fixture remains level while performing trials

✓ APPLICATION OPTIONS

- All Verification Fixtures come with certification of the nominal values
- These are obtained using tools traceable to national standards
- Testing templates are available to document the positions and speeds recorded
- A recalibration period of every 2 years is recommended for each device

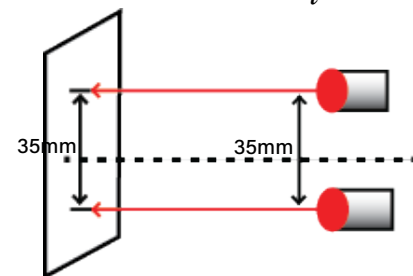
▣ APPLICATIONS

- Verify all tools in your facility on a regular basis
- Verification after incident report (accident, drop, etc.)

⊙ PRINCIPLE OF OPERATION

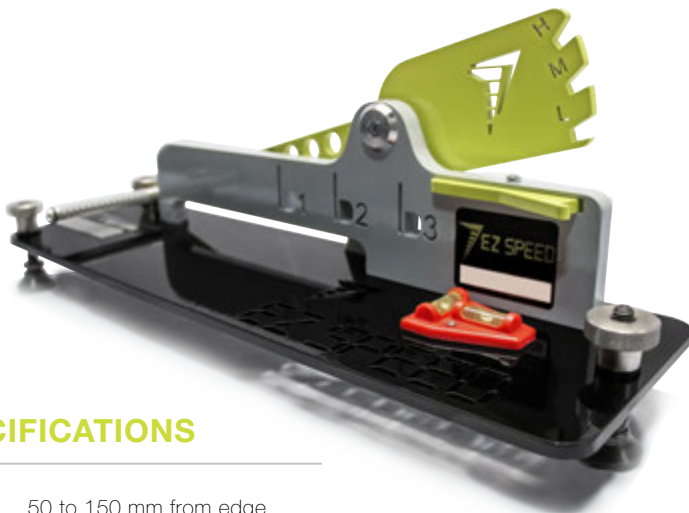
- The main principle of operation of the EZSpeed/EZSpeedBox is based on the measurement of velocity by dividing distance over time. When a surface moves perpendicular to the lasers, it will trigger each one at different times.
- In an ideal situation, if this time = T in seconds, and the distance between the laser (which is a constant of 35mm) = d, the velocity in mm/s is given by:

$$v = \frac{d}{t}$$



🔧 SPECIFICATIONS

Standoff	50 to 150 mm from edge
Speed Range	600, 900, 1200 mm/sec
Resolution	0.001 m/sec
Accuracy	<2% (Traceable)
Weight	3 kg



CLP218