



# LASER CELL

## Genius LX – High speed laser marking

- Welded frame design with class 1 safety covers
- Laser head:
  - 30 Watt CO<sub>2</sub> laser marker
  - Mounted on actuated XY-Axis
  - Laser spot diameter 100µm
  - Laser scan speed up to 6000mm per second
  - Software adjustable Z-axis focus height of ±21mm
- Edge belts:
  - Stationary
  - "ESD safe" edge belts with automatic width adjust system
- Machine:
  - Pneumatic actuated board stop and locate system
  - PC based control system
  - 17" LCD touchscreen monitor
  - Programmable laser marking position
  - Ready to be connected to central exhaust system
- CE compliance



### TECHNICAL CHARACTERISTICS

Machine dimensions (LxWxH)	860 x 1106 x 1507 mm
Machine weight	250kg (550 lbs)
Board size	50 mm x 75 mm (2" x 3") up to 500 mm x 450 mm (20" x 18")
Marking area	500 mm x 450 mm (20" x 18")
Laser marking position repeatability	- ±0.1 mm
Average board changeover time	- < 5s

### INSTALLATION REQUIREMENTS

Power	100V 60Hz 1ph or 230V 50Hz 1ph, 10A
Pneumatics	500kPa at 36 l/min (80psi at 2 cfm)

### OPTIONS

- Code verification package
- Fiducial recognition package
- Servo controlled X-Y axis for reader or vision camera
- External fume extractor with activated carbon
- Software integration into customer's database server