

LASER CELL

Model F5000H-K - High speed laser marking

- Welded frame design with class 4 safety covers
- Laser head:
 - 30 Watt CO₂ 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
 - Dual-drive for shorter product loading/unloading time
 - Grated "ESD safe" edge belts with automatic width adjust system
- Machine:
 - Pneumatic actuated board stop and locate system
 - PC based control system
 - 15" LCD touchscreen monitor
 - Programmable laser marking position
 - Ready to be connected to central exhaust system
- CE compliance



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

TECHNICAL CHARACTERISTICS

Machine dimensions (L×W×H)	800 mm x 1050 mm x 1492 mm (32" x 42" x 59,7")
Machine weight	250kg (550lbs)
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	100-240V AC single phase 50/60Hz, 10A
Pneumatics	500kPa at 36 l/min (80psi at 2 cfm)

