CTI SYSTEMS
A Conveyor Technologies Company
Automated Mechanical Assembly Systems

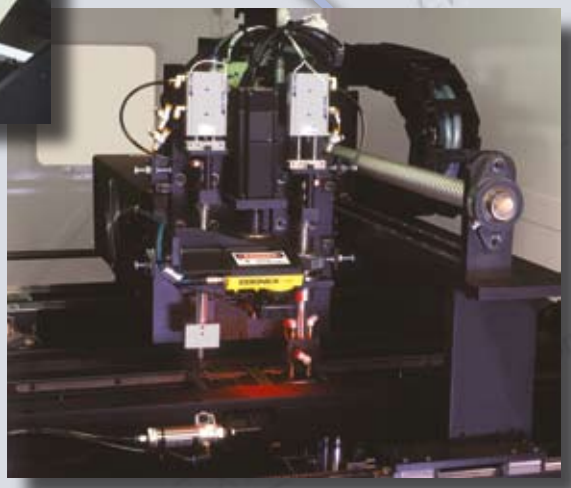
LASER MARKING SYSTEMS

"Industry Leader In Electronics Laser Marking Applications"

LASER MARKING SYSTEMS

Applications:

- Mark directly on PCB
- Mark directly on housing
- Place label, then mark
- Capable of marking plastics, metals, glass, ceramic, etc.



Product Identification Equipment & Laser Marking

The CTI Marking System **is a high speed, operation friendly, laser marking system totally integrated for the printed circuit board assembly process. The CO2 Laser is capable of printing any legend required including logos, graphical images, true type fonts and dynamic bar codes and 2D codes on almost all types of Printed Circuit Boards. The Nd:YAG Laser is capable of printing any legend required and including logos, graphical images, true type fonts and dynamic bar codes and 2D codes on almost all types of Printed Circuit Boards and bare metal surfaces. Both the CO2 and YAG Lasers are air-cooled. At a fraction of the operating cost of conventional marking methods, Laser Marking Technology and CTI Systems are a smart combination.**

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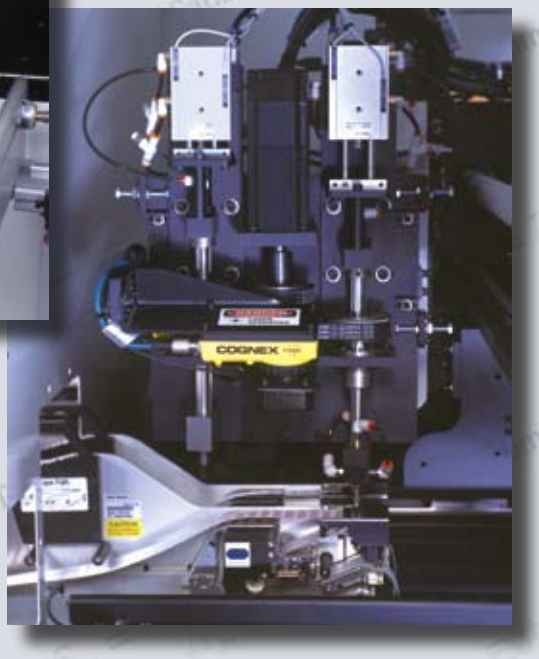
www.conveyor-technologies.com

LASER MARKING SYSTEMS

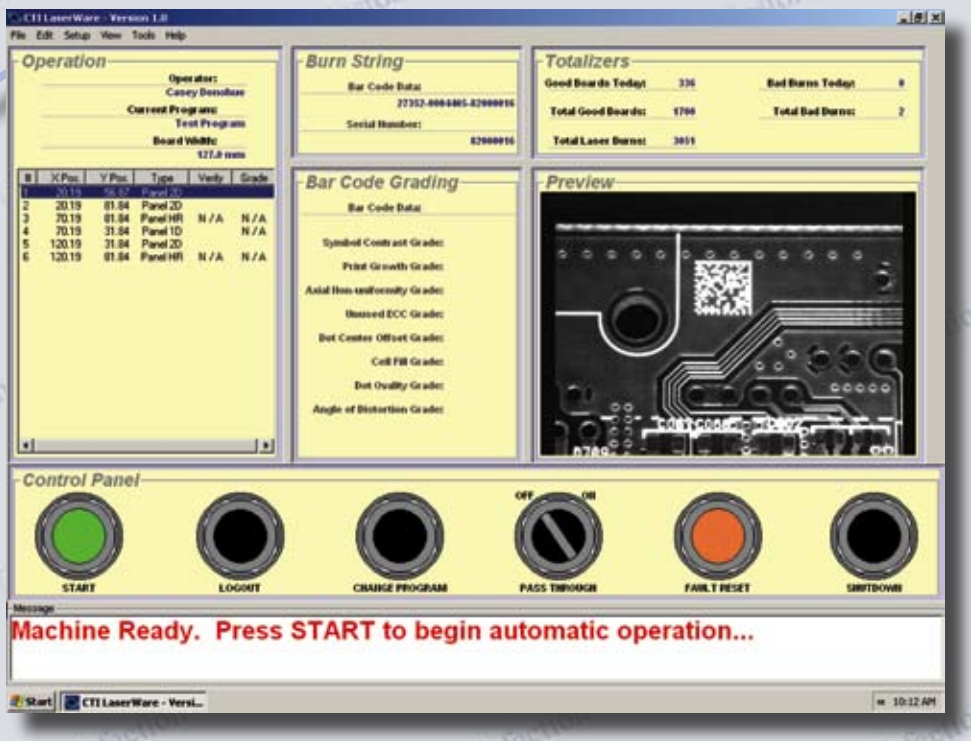
Accessories/Options:

- Code Verification (Bar Code Verifier)
- Automatic Width Adjust
- Dust CollectionSystem
- Fudicial Recognition (PCB Alignment)
- Label Presentation (POD or Blank then Laser Mark)
- Flip Station (In board)
- Custom Designs and Integration



CTI Laser ware software

CTI Laser ware software has become a familiar platform to many of today's leading electronics manufacturers. The CT software is easy to operate by both operators and engineers. Set up is as simple as picking and choosing your specific needs. Contact us today for a demonstration on how our Laser system and software can benefit your factory.



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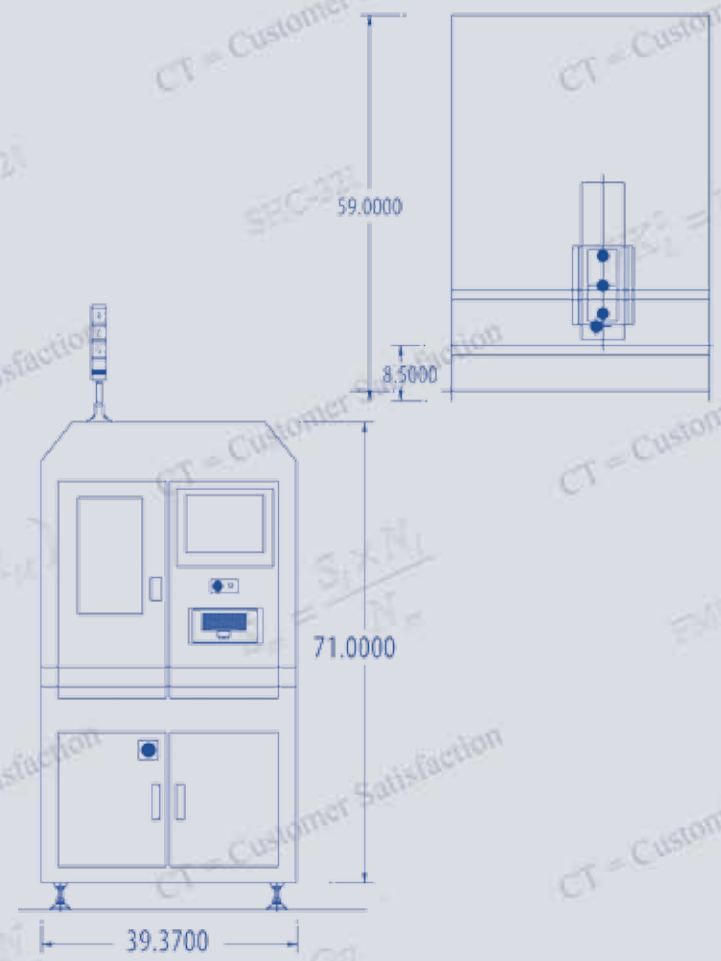
LASER MARKING SYSTEMS

MISSION STATEMENT CUSTOMER SATISFACTION

"whatever it takes"

STANDARD FEATURES:

- Footprint: 1 Meter Line Length X 59 Inch Depth
- Environment/Safety: Class 1 Laser - Completely Enclosed with PCB Transfer Opening
- Laser Marking System: Markem 3010CR, Synrad Fenix 125 or cab Technologies DPL Magic Marker 100
- Laser Mark Repeatability: ± 0.005"
- Throughput Rate: Legend Dependant (9 Sec. Avg.)
- Number of Marks: Multiple Marks on Same PCB and Multi-up Panels
- Coding Capabilities: Bar Codes, 2D Codes
- Operating Controls: PC Based with Windows Platform.
- Laser Type: 10 Watt RF Excited CO2 Laser or a 3 & 8 Watt Nd:YAG Laser, Air-cooled.
- Networking: Ethernet Connection
- Print Verification: MicroScan
- Accessibility: Front and Rear with Emergency Interlocks
- Operation Modes: Auto Mark from Profile, Teach, Single Mark, Pass-thru
- Operator Interface: 15" Plasma Monitor W/Keyboard
- Operator Options: Begin with New Serial, Begin from Last Part Serial Number
- Alarm: Status Light Tower with Audible Siren for: Misprint/Verification Failure/ Production Run Complete/ Emergency/ Auto Run/ Manual Operation
- XYZ Verification: X = 18" Travel through THK Precision Guides with Manual Adjustment or Automatic Precision Servo Positioning; Y = 16" Travel through THK Precision Guides with Manual Adjustment or Automatic Precision Servo Positioning, Z = 2" Travel Through THK Precision Guides with Manual Adjustment or Automatic Precision Servo Positioning.
- PCB Warp Recovery: PCB Edge Lift and Clamp, Lift Bed under PCB (Optional)
- Recipe & Memory Security: Password Protected
- PCB Handling Media: Edge Belt (Static Dissipative)



STANDARD SPECIFICATIONS:

- PCB Size: Min. 2" X 4" / Max.16" X 18"
- PCB Height: 37.5" + / - 2"
- Edge Clearance: .100" from edge of PCB
- Air Requirements: .2 cfm @ 65 PSI
- Power Requirements: 20 amps @ 220VAC
- PCB Max Weight: 10 lb.
- PCB Min. Thickness: .010"
- PCB Max. Thickness: .180"

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