

Laser Marking for Semiconductors

Marking JEDEC Trays and PCB Stripmaps

Today's semiconductor manufacturers require fast and precise marking solutions. Our systems use state-of-the-art machine vision that travels through the laser galvanometer scanhead giving our systems high-speed fiducial recognition. These systems generate character sizes at sizes precisely in accordance with user requirements. Lasers are highly accurate and produce minimal heat to mark even the smallest parts without any risk of damage, making this the best solution for the semiconductor industry.

Depending on the material being processed, we choose from the best-in-class laser, optics, and accessories to build a solution.

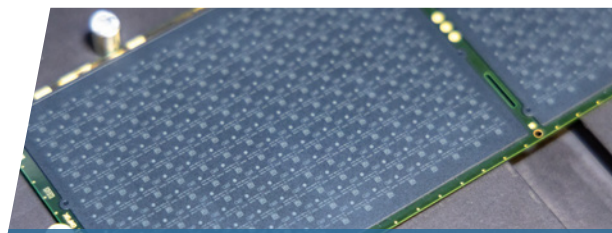
Control Micro Systems has been an industry innovator in laser systems for semiconductor manufacturers. Our over 35-years of experience with laser systems makes us the best choice for your laser needs. We have a global install base and have worked with many companies to provide full production solutions. Our Applications Lab is the initial step in providing you with a solution to your manufacturing challenges. Most solutions can be determined with a standard no cost sample evaluation.

Contact us today to learn how CMS Laser can develop a system for your semiconductor production line.

Send Samples for Free Testing!



MARK SEMICONDUCTORS



MARK PCB STRIP MAPS



VISION SYSTEM

Control Micro Systems, Inc.

sales@cmslaser.com www.cmslaser.com

Tel: 407.679.9716 | 4420-A Metric Dr. Winter Park, Florida USA 32792

Semiconductors

Laser Applications

Advantages

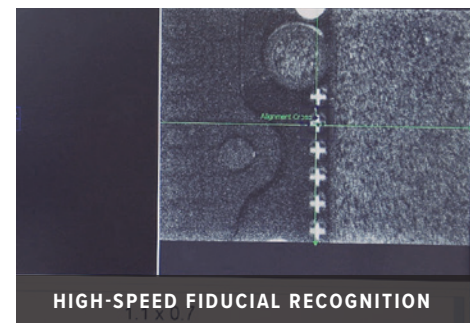
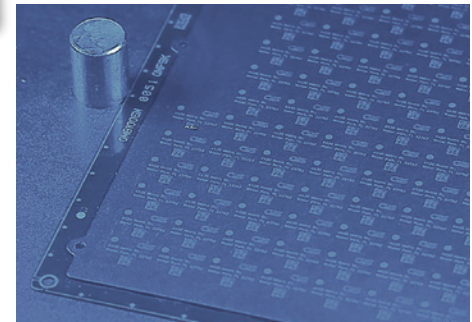
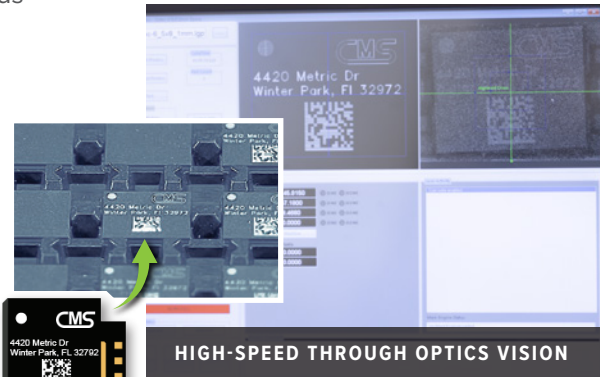
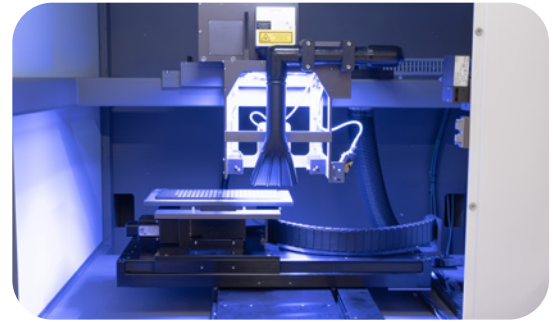
- Non-contact process
- Low maintenance
- No consumables and additives
- Permanent and high-contrast markings on IC mold compounds and ceramics
- Create data matrices, logos, shapes, and text
- High-speed fiducial recognition using through optics vision
- Reliable design build with welded steel frame
- Computer-controlled process
- Mark position and alignment verification

JEDEC Tray Processing

This system is configured to accept JEDEC trays full of tiny computer chips. The vision system ensures that each marking is positioned squared with the chip so that each mark, regardless of the seated position, is correctly aligned. The system will recognize if the tray isn't completely full and come to a stop.

Systems Built for You

CMS Laser doesn't produce an off-the-shelf unit for every job. Our systems are carefully designed, planned, and executed to meet customer requirements. Our laser-focused engineering team starts with one of our standard proven solutions and tailors the system to the customer's parts. Software is designed in-house and custom parts are created in our CNC machine shop.



Control Micro Systems is an industry leader in semiconductor marking laser systems...

Fast. Reliable. Flexible. Precise. Validated.

Control Micro Systems, Inc.

sales@cmslaser.com www.cmslaser.com

Tel: 407.679.9716 | 4420-A Metric Dr. Winter Park, Florida USA 32972

