

# On-the-Fly Laser Marking Solutions

## High-Speed Laser Marking Systems for Extrusion

When it comes to extrusion lines, laser machines must mark, cut or drill parts that are constantly moving. That's why we developed on-the-fly technology with closed loop feedback to process parts as they travel past the laser field. These systems account for variations in line speed and can incorporate vision systems to validate part placement and process quality.

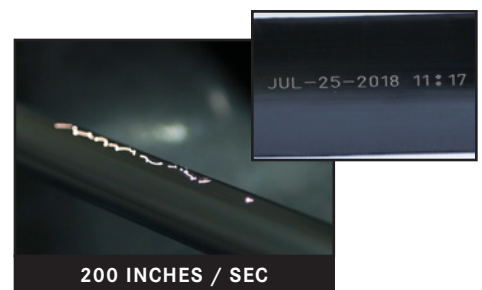
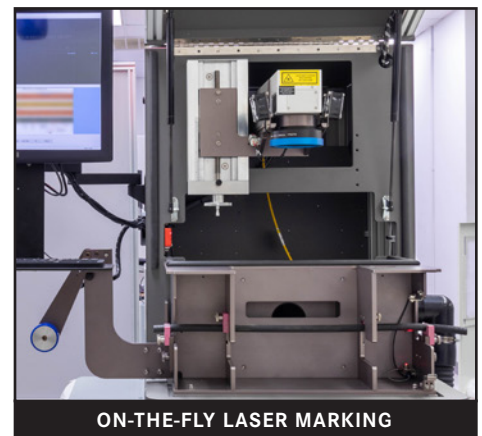
Contact us today to learn more about our solutions for the extrusion industry. We provide free sample testing through our applications development lab to determine the best laser configuration and optics for the material being processed.



Overall system size and design depends on desired process and material size

## SYSTEM FEATURES

- CDRH Class 1 laser system
- All laser wavelengths available—laser dependent on applications lab testing results
- Optional machine vision system
- CMS Laser software HMI
- Windows® operating system



WATCH VIDEO



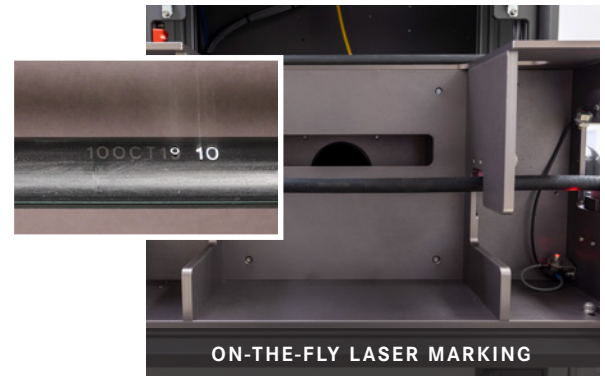
## Laser Processing Advantages

- Non-contact process
- Low maintenance
- No consumables and additives
- Permanent and high-contrast markings on most plastics and metals
- Create slits or drill holes in thin plastic tubing
- High-speed, constant processing
- Reliable design for continuous 24/7 operation
- Computer-controlled process
- System size and design may vary based on materials being processed



## Laser Marking Pipes & Heat Shrink Tubing

On-the-fly marking on pipes made of metal and plastic materials. The laser system can mark user control information, manufacturer identification, safety warnings, quality control, product tracking, serialization and dates—graphics, logos, text, barcodes and data matrices. A vision system can be integrated for verifying a barcode.



## Laser Slitting/Cutting Plastic Tubing

Our systems can be configured to create slits or cuts along low-density plastic tubing with specific dimensions and distances. A vision system can be integrated for process alignment monitoring.



## Systems Built for You

Our systems are carefully designed, planned, and executed to meet client requirements. Our laser-focused engineering team starts with one of our standard proven solutions and tailors the system to the client's requirements. Software is designed in-house and custom parts are created in our CNC machine room.



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CMS Laser follows a policy of continuous product improvement. Specifications and system design are subject to change without notice.



The CMS Laser Systems described in this brochure complies with the requirements of 21 CFR 1040.10 and 1040.11, except for deviations pursuant to laser notice No. 50 dated June 24, 2007. These systems are certified by Control Micro Systems as a Class I laser product or Class IV Compliance with 21 CFR and may be verified by contacting the Office of Compliance at the Center of Devices and Radiological Health. Copyright © 2022 Control Micro Systems, Inc.