



Laser Systems for Extrusion Lines

On-the-Fly Marking and Cutting

Extrusion is a high-volume manufacturing process, during which raw materials are melted and formed into continuous profiles. It produces items like PVC pipes, heat shrink and other tubing. Many of these products require high-speed, accurate part marking, cutting and drilling—making laser technology a perfect fit.

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.

Control Micro Systems has been an industry innovator in laser systems for extrusion lines. 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 extrusion line production.

Send Samples for Free Testing!



MARK PVC PIPES & OTHER TUBING



CUT / SLIT / DRILL THIN PLASTICS



ON-THE-FLY

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Extrusion Lines

Laser Applications

Advantages

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

Laser Marking Pipes & Heat Shrink Tubing

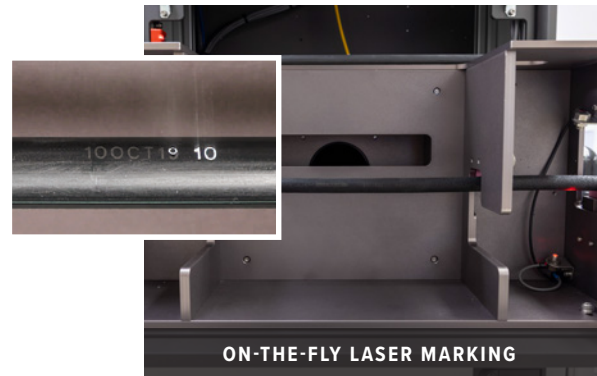
On-the-fly marking on pipes made of metal and plastic materials. The laser system can mark user control information, manufacturer identification, safety warnings, quality control, product tracking, serialization and dates—graphics, logos, text, barcodes, and data matrices. A vision system can be integrated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

Laser Slitting/Cutting Plastic Tubing

Our systems can be configured to create slits or cuts along thin plastic tubing with specific dimensions and at specific distances. A vision system can be integrated for process positioning.

Systems Built for You

CMS Laser doesn't produce an off-the-shelf unit for every application. 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 requirements. Software is designed in-house and custom parts are created in our CNC machine shop.



Control Micro Systems is an industry leader in extrusion processing laser systems...

Fast. Reliable. Flexible. Precise. Validated.

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