LASER MARKING

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3-Axis
UV LASER MARKER

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FOR ILLUSTRATION PURPOSES ONLY
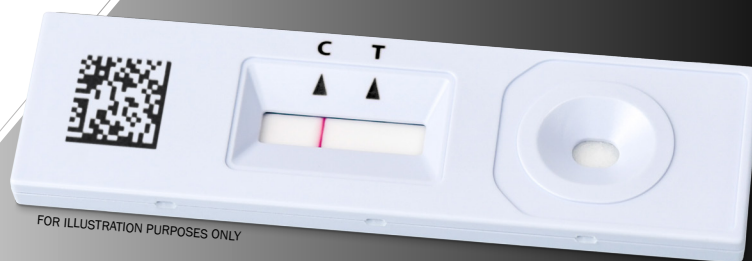
ATS provides machine readable laser marking solutions for product identification including 1d, 2d barcodes, text and/or graphics on plastic substrates, aluminum, plastics, coatings, stainless steel, and more. Maximum laser uptime for ultra-low to high throughput applications; minimized waste from non-value-add steps. High efficiency, high accuracy, and low reject rates help you get to market fast.

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DESCRIPTION

ATS provides permanent laser marking solutions on flat or contoured surfaces, including 1D, 2D, barcodes, text and/or graphics. Laser parameters are optimized for process speed and mark quality. ATS integrates laser markers from various best-in-class suppliers to meet or exceed customer requirements. We have processed a variety of materials including aluminum, plastics, coatings, and stainless steel for permanent traceability.
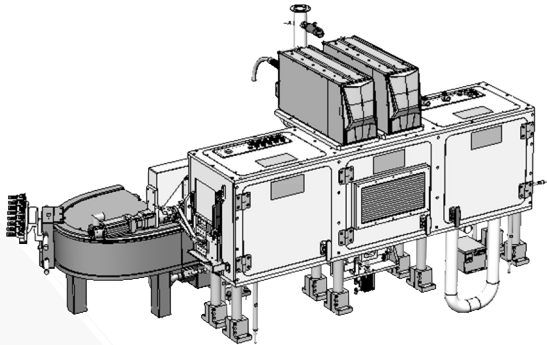
FEATURES

- Wide variety of materials possible
- Laser orientation selected to suit application, minimize footprint, and maximize access
- Laser recipe/parameters available from system HMI
- Laser guarding designed for operator safety that exceeds minimum requirements while maximizing laser uptime
- Interlocked flow sensor with integrated exhaust/debris control
- Optional part presence/verification, serialization/UDI and mark verification/checking configurable to suit your application

DETAILS*

Platform:	Laser marking integration on all asynchronous and synchronous automation platforms
Station Size:	Designed to suit application
Fixture Size:	Designed to suit application
Part Rates:	Designed to suit your application from 1 – 300/min or higher
Mark Type:	1D, 2D, Alphanumeric and Graphical; flat or contoured surfaces
Marking Area:	To suit your application
Mark Resolution:	As low as 1 µm (dependent on application)
Character Size:	0.1 mm and greater
Material:	Substrates, aluminum, plastics, coatings, stainless steel, and paper products
Fume Extraction:	General exhaust to exterior of machine. Options available for operator safety and compliance
Laser Vendor:	We integrate best-in-class laser markers to create an ATS solution for your application
Laser Types:	ATS has successfully integrated CO_2, Fiber and Nd:YAG, Excimer, Nd:YVO4, and more
Communication:	Typical – RS232, Ethernet/IP, Profinet, TCP/IP, USB*
Documentation:	Regulatory documents completed as applicable

*Speak with us about your specific need.

BENEFITS

Laser marking is a precise solution for all types of manufacturing industries offering direct and permanent identification on customer products. ATS laser marking solutions are designed to meet high quality inspection requirements, accurately and safely; they feature enclosures, meeting all required strict safety standards, and offer additional options for fume extraction, as needed.

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