[AFYS]3G
Innovation in lab automation

Lambda768

Information Marking System

- Laser a variety of markings directly onto a tube's surface
- Can rotate the tubes to engrave on multiple sides

The **AFYS3G Lambda768** can automatically laser engrave tubes from a variety of brands. With this unique and highly advanced device, no labels, stickers or ink is used to mark tubes.

The AFYS3G Lambda768, the first-of-its kind Information Marking System, is designed to replace manual or even automated application of tube labels which can be prone to error.

The AFYS3G Information Marking System can hold up to eight ANSI/SLAS format racks of sample storage tubes at once.

Markings can be engraved into a non-transparent area of a sample storage tube, allowing them to be read regardless of the type or color of the sample.

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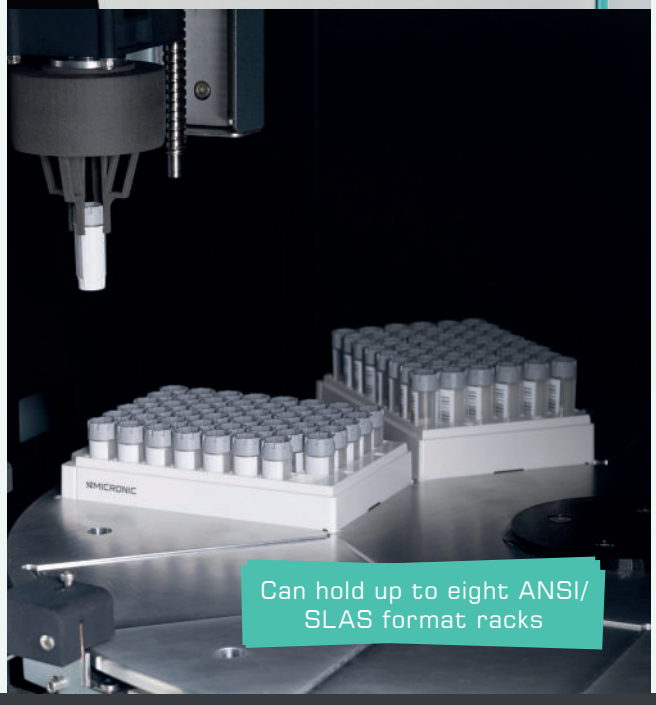
Information Marking System Lambda768

The AFYS3G Information Marking System Lambda768 has a gripper arm that selects one tube from the rack and carries it to the camera. The camera then detects the laser-friendly part of the tube, which tells the gripper arm how to position the tube in front of the laser. After the tube has been positioned, the laser etches a permanent marking directly onto the tube's surface. The gripper can rotate the tubes to engrave on multiple sides.

Intelligent user interface



Can hold up to eight ANSI/ SLAS format racks

Features

- Can mark up to 8 ANSI/SLAS racks in different formats (96-, 48-, or 24-well) simultaneously, with mixed formats in one run
- Cycle time: 500 tubes per hour
- Can rotate the tubes to engrave on multiple sides
- Works with tubes from different brands like Micronic, Azenta, and LVL Technologies
- Can mark information based on 2D codes found on the tube bottom
- Turntable for racks that speeds up the picking and placing of tubes
- The intuitive touchscreen and software simplify operation
- An internal camera ensures quality control during the marking process

Benefits

- **Performance:** codes up to 500 tubes per hour for quick and reliable sample processing.
- **Flexibility:** offers high-resolution laser engraving for images, logos, text, codes, and batch IDs directly on the tube.
- **Durability:** the laser markings are highly resistant to chemicals, abrasion, and extreme temperatures (-196°C to +100°C).
- **Various connectivity options:** communication through its internal PC, external computer, LIMS, USB, or TCP/IP.
- **Easily integratable:** the system allows for automatic environment integration through a removable side panel.

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