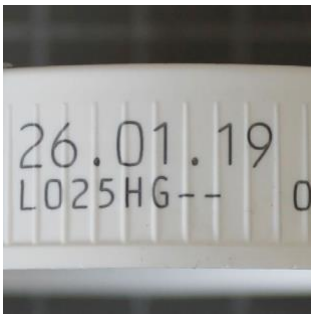
LİNTECH R53 UV LASER TECHNOLOGY

High-speed marking system for the most Demanding applications

- Compact UV laser systems for plastic and metal marking.
- Provides a permanent, high-quality solution for alphanumeric texts, dates, timers, serial numbers, barcodes, 2D codes, and graphics packages.
- Modular and compact dimensions.





HDPE ve LDPE

High UV Power

Capable of permanent dark and high-contrast marking



Glass Marking

High UV light absorption in the material enables exceptionally high-quality engraving on glass



Medical Applications

Photochemical reaction leaves a dark and smooth mark



Automotive

Marking speed up to 10 meters per second



Others



Lintech UV Laser



Others



Lintech UV Laser

Advantages: Damage-Free Cold Marking

Higher absorption level with 355nm laser light compared to standard wavelengths (1064nm,532nm), resulting in sharp and more visible marking on most plastic elements.

Damage-free cold marking

TThe additional nanosecond periods in the regime ensure that the marked surface is heated below its melting point and the element is thermally degraded. This avoids the unaesthetic, brownish effect of laser marking.

Third harmonic production process

The laser beam, with a wavelength of 1064 nm, interacts with a non-linear crystal. As a result, two laser beams are emitted after the medium: 1064 nm and 532 nm (the so-called green laser).

LİNTECH R53 UV LAZER TECHNOLOGY

ser Type	UV, 5W
Wavelength	355 nm
Electrical Requirements	115V/230V, 50/60 Hz, 1 PH - Auto
Marking Area	100X100mm 150X150mm 300x300mm
User Interface	Multi-lingual touch screen with user-friendly, intuitive software for preview, editing, creating new job files, and system setup
Software	Ezcad
Communication	RS232 / USB / Ethernet
I/O Signals for Installation	Shaft encoder, NPN/PNP Product detector inputs, remote interlock switch, safety shutter control, dume extractor, compressed air control, system ready information, marking, fault outputs, user inputs and outputs
Cooling	Integrated air cooling and water cooling with dust protection
Ambient Temperature	10-40°C / 50-104°F, recommended 15-30°C / 69-86°F
Humidity	Up to 90% non-condensing
Safety	Class 4, EN 60825-1, ISO 13849
Weight	Marking unit 21kg

