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Laser Wire Stripper

Fast & Precise Laser Wire Stripper for Ins



MimoWork Laser Wire Stripping Machine M30RF is a compact machine with a sleek appearance but exerts an important effect on stripping capability of M30RF for continuous processing and the ability to strip wires for multi-conductor stripping. Wire stripping removes the insulation from wires and cables to provide electrical contact points and provides excellent precision and digital process control. The high quality help you to achieve continuous stripping.



STRUCTURE FEATURES

SPECIFICATIONS

ADVANTAGES

VIDEO

APPLICATIONS

Mechanical Support from Laser Wire Stripper

■ Automation Working Flow

One-key operation with the automatic computer-control system, saving time and labor.

■ High-Speed Stripping

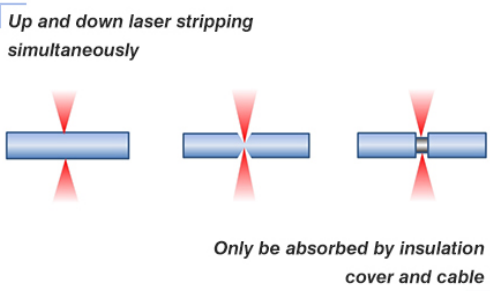
Stripping wire simultaneously by up and down dual laser heads brings high efficiency and convenience for stripping.

Technical Data

Working Area (W * L)	200mm * 50mm
Laser Power	US Synrad 30W RF Metal Laser Tube
Cutting Speed	0-6000mm/s
Positioning Precision	within 0.02mm
Repeat Precision	within 0.02mm
Dimension	600 * 900 * 700mm
Cooling Method	air cooling

Why choose laser to strip wires?

Principle of laser wire stripping



During the laser wire stripping process, the energy of radiation emitted by the laser is absorbed strongly by the insulating material. Insulation, it vaporizes the material through to the conductor. However, the conductor strongly reflects the radiation at the CO₂ unaffected by the laser beam. Because the metallic conductor is essentially a mirror at the wavelength of the laser, the process is the laser vaporizes all of the insulating material down to the conductor and then stops, so no process control is required to prevent damage to the conductor.

Advantages from laser wire stripping

- ✓ Clean and thorough stripping for insulation
- ✓ No damage to the core conductor

Comparatively, conventional wire-stripping tools make physical contact with the conductor, which can damage the wire and slow down the stripping process.



/ High repetition – steady quality

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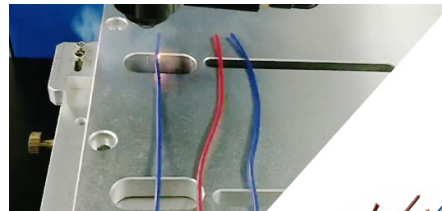


Video Glance of laser wire stripping

Suitable materials

Fluoropolymers (PTFE, ETFE, PFA), PTFE /Teflon®, Silicone, PVC, Kapton®, Mylar®, Kynar®, Fiberglass, ML, Nylon, Polyurethane, Formvar®, Polyester, Polyesterimide, Epoxy, Enameled coatings, DVDF, ETFE /Tefzel®, Milene, Polyethylene, Polyimide, PVDF and other hard, soft or high-temperature material...

Fields of Application



*Suitable for
multi-varieties wires*

MimoWork Laser



Common applications

(medical electronics, aerospace, consumer electronics and automotive)

- Catheter wiring
- Pacemaker electrodes
- Motors and transformers
- High-performance windings
- Hypodermic tubing coatings
- Micro-coaxial cables

- Bonded enamel wiring
- High-performance data cables

Learn more about laser wire stripper price, operation guide
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