

SIENNA™ MWS-250

Magnet Wire Stripper - A unique laser stripping process for the high speed de-insulation of enamelled copper wires



stripping

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Magnet wire stripper

The **SIENNA MWS** series has been developed to provide the fastest, highest quality, most reliable, method of removing enamel from copper magnet wires used to make magnetic coil windings. The laser completely and cleanly removes the enamel, leaving the wire surfaces ready for welding, soldering or other processes. SIENNA MWS-250 is used in the automotive industry to process wires used in alternator and starter motor stators.

SIENNA MWS is a modular system containing the laser, optical system, control electronics, power supplies and mechanical components. Air extraction and chilled water, if not available on site, can be provided as separate items. The system can be used as a stand-alone item or integrated into existing production lines.

The unique MWS laser stripping process has been developed by Spectrum to meet the exacting needs of modern industry. The laser process offers substantial operational and productivity benefits over outdated mechanical, chemical and hot wire thermal techniques. Precise control of the laser strip location, size and depth, minimise the possibility of end product defects. This results in higher yield, lower cost and increased product reliability.

Laser wire stripping is used to produce some of the world's highest quality and most reliable electrical devices. As industry continues to develop new insulations and new processes to apply to these materials, laser wire stripping is becoming the leading and sometimes only choice for critical, high performance manufacturing applications

Please contact us at the email address below for more information or to arrange for your samples to be stripped.

Cover picture and right: 14AWG enamelled copper wires - 12mm section fully stripped in less than 2 seconds.

Summary specification

Features	<ul style="list-style-type: none"> • Unique laser process produces the highest achievable strip quality • Extremely accurate, consistent performance, high process yields • Laser process developed to strip a wide range of enamel insulation materials used on magnet and other wires
Laser	<ul style="list-style-type: none"> • Reliable sealed infra-red laser • Class 1 laser product for use on open shop floor
Control	<ul style="list-style-type: none"> • Computer controlled system • Windows™ intuitive operator interface • Simple to use control panel located for easy operation
Support Options	<ul style="list-style-type: none"> • Full warranty cover, labour and materials • Air cleaning system • Chilled water supply

Customer support

Spectrum Technologies operates an international support service covering 6 continents. Our commitment is total customer support.

- Worldwide customer support from a dedicated team of Field Service Engineers or by fully trained Service Agents
- Technical helpline operating across the global clock
- Operational training for Production and Technical personnel carried out at installation
- Full technical training available at either customer facility or one of our own sites
- Maintenance contracts are available to keep systems operating at optimum performance



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 This product is covered by: International Patent Application No. GB04/002950
 and EU Patent Application no. 04743293.5
 Specification subject to change without prior notice to provide for continuous product improvement.



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