



SIENNA™ 900 SERIES



LASER WIRE STRIPPER

HIGH SPEED LASER MAGNET WIRE STRIPPING
SYSTEM

FOR INTEGRATION INTO HIGH VOLUME PRODUCTION
LINES

From Spectrum Technologies - the global leader in laser wire processing systems

SIENNA™ 900 SERIES

MODULAR MAGNET WIRE STRIPPING SYSTEM

Spectrum Technologies has developed and patented laser “MWS” (Magnet Wire Stripping) – a high speed process that completely and cleanly removes the various coatings found on enamelled wires.

The MWS process is the cleanest, highest quality and most precise and repeatable method for removing (skinning) enamel insulation coatings from magnet wires without damaging the conductor and generating metallic debris

Spectrum Technologies’ laser ‘MWS’ magnet wire stripping – *patented advanced manufacturing process technology*

Benefits of Laser Magnet Wire Stripping

Spectrum Technologies’ MWS laser technology is already proven in critical manufacturing applications, having been integrated into high volume automotive production lines used in the production of magnetic coil windings for alternators, starter motor stators and hybrid engines.

- Fast, precise, non-contact process
- No consumable parts - no brushes or blades
- No safety issues
- No chemicals
- Highest quality stripping
- No metallic debris

- Conductor surface is left completely clean - no residues
- Conductor surface is also left oxide-free - the ideal condition for subsequent electrical bonding



To comply with health and safety requirements, air exhaust must be provided when using any laser wire stripper. If this is not available in your factory, Spectrum’s ACS-5 systems remove all smoke, odours, particles and fumes from the laser stripping area and return clean air to the room.

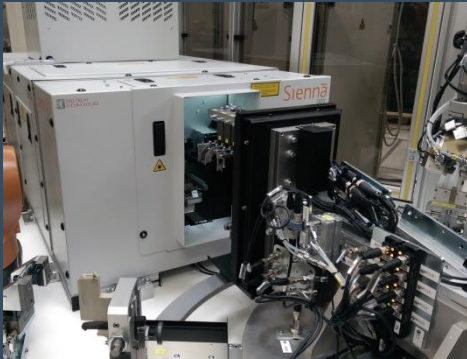


To discuss any of your requirements please contact us at sales@spectrumtech.com or on +44 (0)1656 655 437.



Above: examples of components and magnet wires stripped using Spectrum's patented laser magnet wire stripping process.

SIENNA 900 is a modular laser magnet wire stripping system designed for integration into medium to high volume production lines, new or existing, manufacturing wound components and other products using enamel insulated "magnet wire".



The SIENNA 900 system incorporates optimised, sealed long life laser and scanning modules, configured to meet customers' individual applications and throughput requirements, all integrated in a safe, reliable and easy-to-use industrial package.

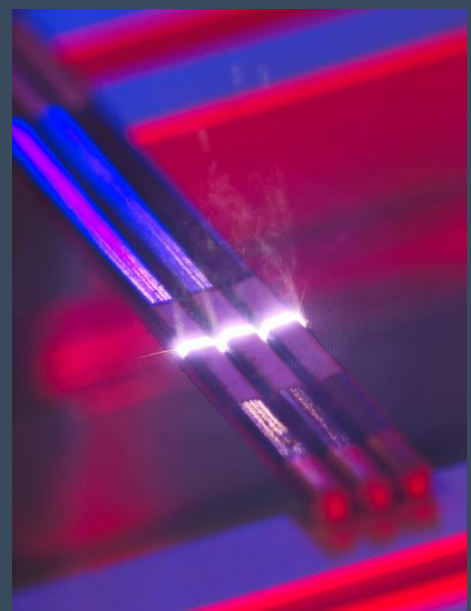
SIENNA 900 is designed for integration with customers equipment into create a Class 1 laser product suitable for use on the open shop floor.

The user interface allows offline programming on a PC or laptop with full-colour touch-screen operation and editing facility at the system. Precise control of the laser strip location, size and depth minimises the possibility of end product defects. The non-contact laser process avoids creating conductive metallic

debris, which can contaminate the products in manufacture, unlike rotary high speed mechanical blades. This results in higher yield, lower cost and increased product reliability.

TECHNICAL SUPPORT

- 12 month parts and labor warranty on all systems
- Worldwide customer support from a dedicated team of Field Service engineers or by fully trained Service Agents
- Technical helpline
- Operating training for Production and Technical personnel carried out at installation
- Maintenance contracts available to keep systems operating at optimum performance





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