



SIENNA™ 500 SERIES



LASER WIRE STRIPPER
SIMPLIFY MANUFACTURING
INCREASE PRODUCTIVITY – REDUCE COST

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

SIENNA™ 500 SERIES

The SIENNA™ 500 series of rotary laser wire and cable strippers offers unequalled damage-free, high quality wire stripping for aerospace, defence and consumer electronics.

THE HIGHEST QUALITY, MOST RELIABLE METHOD TO REMOVE WIRE INSULATION.

SIENNA 510

The SIENNA 510 employs a 10 Watt air-cooled laser and is designed specifically to strip the outer jackets of shielded, twisted multi-conductor cables. Refined control of the laser output power provides the precision and flexibility required to safely strip cable jackets without penetrating the shield to the inner wires, ensuring the highest-quality, damage-free results, in accordance with the latest standards .



SIENNA 530

The SIENNA 530 employs a 30 Watt air-cooled laser and is designed specifically to strip power feeder cables and other large gauge wires with thicker, tougher insulation. The higher power output of the SIENNA 530 enables cables up to 22mm (0.87 inch) in diameter to be easily and quickly end stripped whilst the non-contact process ensures the conductor remains undamaged.



The SIENNA 500 Laser Wire Strippers conform to **EN2812 - Aerospace Series - Stripping of electric cables**

BENEFITS OF THE SIENNA 500 SERIES

- Non-contact, highest quality, damage-free stripping: *No nicks, no cuts, no damage*
- Complete, clean stripping around the full wire or cable circumference
- Easy and effective stripping of a wide range of high temperature, hard and soft insulation materials
- Programmable for both end strips and window strips; cross cuts and axial slits and spiral strips
- Highly accurate
- Stable, durable laser sources and wire handling guarantee repeatability
- Increased job storage with PC software
- Suited to uneven surfaces found on twisted pair cables

Both the SIENNA 510 and SIENNA 530 can produce cross cuts, slits and windows. The slits can be spiralsised or straight, for easy slug removal.



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Summary specifications

Laser	10 Watt or 30 Watt CO ₂ air cooled
Configuration	Rotary axis
Control	Microprocessor with keypad
Wire Types	Single core wires and multi-conductor cables
Wire Sizes	1mm up to 22mm outside diameter (OD)
Accuracy	+/- 0.2 mm (0.008")
Process Area	Strip lengths up to 200mm (7.8")
Rotation Speed	175 rpm
Linear Slit Speed	50mm / sec
Insulation Types PTFE / Teflon® (non-exhaustive)	PTFE / Teflon® Tefze® PVC Polyurethane Silicon Kapton® Polyimide Polyesterimide Polyester Fibreglass Polyethylene Nylon
Power Requirements	110 - 120 Vac, 50/60 Hz 6 Amp. 1 phase 220 - 240 Vac, 50/60 Hz 3 Amp. 1 phase
Operating Conditions	Ambient temperature 15°C to 30°C (60°F to 86°F) as standard Relative humidity 20% to 80% (non-condensing)
Dimensions L x W x H	780 x 330 x 520mm (31" x 13" x 20.5")
Weight	45kg (99lbs)
Options	<ul style="list-style-type: none">• ACS-5 air cleaning system• PC and control software• Power calibration kit

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.





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