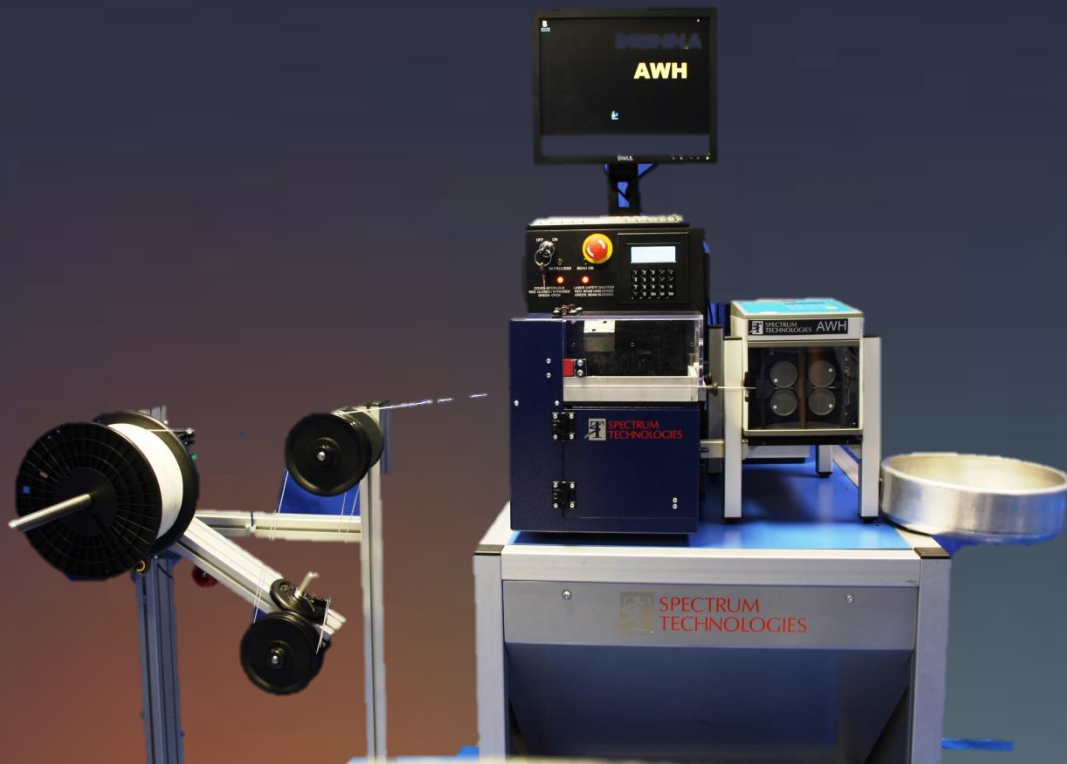




SIENNA™ AWH SERIES



LASER WIRE STRIPPER, MEASURE AND CUT SYSTEM

SIMPLIFY MANUFACTURING
INCREASE PRODUCTIVITY – REDUCE COST

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

SIENNA™ AWH SYSTEM

HIGHEST QUALITY, MOST RELIABLE METHOD TO REMOVE WIRE INSULATION.

For stripping, measuring and cutting-to-length single wires, multi-core cables and ribbon cables on a reel.

SIENNA AWH

SIENNA wire strippers can be configured for automated wire handling enabling them to perform a strip, measure and cut operation. This is achieved by pairing the fast, non-damaging accuracy of laser stripping with the convenience and efficiency of a mechanical measure and cut system.



Automated Wire Handling systems are configured from any SIENNA 200, 300 or 700 laser wire stripper, in combination with a suitable commercial wire handling system and a controlled dereeling mechanism.

This integrated bench-top system can feed wire automatically through the laser stripper from a reel and then measure and cut it to length. Using this method jobs can be automatically processed as batches.

For higher levels of automation, our products are also available to systems integrators who may need to incorporate them into more complex automation systems.

This type of system is designed according to customers' requirements - please contact us to discuss your particular needs.

BENEFITS OF THE SIENNA AWH 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
- 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

SIENNA™ AWH SYSTEM

HIGH QUALITY, MOST RELIABLE METHOD TO REMOVE WIRE INSULATION.

Summary specifications

Laser	10 Watt or 30 Watt CO ₂ air cooled
Configuration	Linear configuration
Control	Window based PC
Wire Types	Single core wires and multi-conductor cables
Wire Sizes	1mm up to 4.5 mm outside diameter (OD)
Accuracy	+/- 0.2 mm (0.008")
Process Area	Strip lengths up to 100mm
Linear Speed	Up to 250 mm/ 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") – add in S200, S300 and S700 dimensions
Weight	45kg (99lbs) – add in S200, S300 and S700 weight
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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