



**SPECTRUM  
TECHNOLOGIES**



# SIENNA™ 200 Series

**LASER WIRE STRIPPER  
SIMPLIFY MANUFACTURING  
INCREASE PRODUCTIVITY – REDUCE COST**

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

# SIENNA™ 200 SERIES

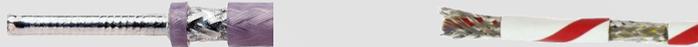
Entry-level dual beam laser wire stripping system for small gauge wires used in electronics applications. The SIENNA™ 200 series is the entry-level range of CO2 infra-red laser wire stripping systems designed and manufactured by Spectrum Technologies.

## SIENNA 200

SIENNA 200 series systems are compact, bench-top systems suitable for processing the majority of wire types and insulation materials used in electronics manufacture, specifically consumer electronics, medical and telecommunications applications.

The systems have laser beam focussing heads at the top and bottom of the tooling fixture and the beam alternates between the two to process above and below the wire.

### EXAMPLES OF CABLE AND STRIP PATTERNS THAT CAN BE PROCESSED:



The systems come in three configurations: single axis where the laser head has only one direction of movement; dual axis where there are two axes of movement; and fixed beam, where the laser head is fixed in one place.

The fixed beam version is usually set up with a moving external stage allowing the cables and/or assemblies to be moved around freely beneath the laser beam. This offers more processing flexibility.

Speed and laser power are easily adjusted using the integrated control keypad on the single axis and fixed beam versions; the dual axis version can also be programmed and controlled by PC.

### BENEFITS OF THE SIENNA 200 SERIES

- High quality and damage-free - the laser is reflected off the conductor, plating, or other metallic surfaces
- Accurate
- Repeatable
- One machine for all wire configurations - single wire, twisted pairs, coaxial and ribbon cables
- Processes multiple wires or cables simultaneously
- Laser strips high temperature, hard or soft insulation materials effectively
- End strips, window strips and other patterns easily performed in one operation
- Increased job storage on dual axis versions with to PC software

### LASER WIRE STRIP, MEASURE & CUT SYSTEM

SIENNA wire strippers can be configured for automated wire handling where they can be able to perform a strip, measure and cut operation pairing the fast, non-damaging accuracy of laser stripping with the convenience and efficiency of a mechanical measure and cut system.

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 via the SIENNA system



# SIENNA™ 200 SERIES

## Summary specifications

<b>Model</b>	SIENNA 210S	SIENNA 210D	SIENNA 225FB
<b>Laser</b>	10 Watt air cooled CO2 Class 1		25 Watt air cooled CO2 Class 4
<b>Configuration</b>	Single axis	Dual axis	Fixed beam
<b>Control</b>	Microprocessor with keypad	Microprocessor with keypad or PC	Microprocessor with keypad
<b>Wire Types</b>	Single core wires Twin leads Twisted pairs Multi-conductor & ribbon cables		
<b>Wire Sizes</b>	<6mm (0.24") OD Or ribbon cable <100mm (4mm) wide		
<b>Accuracy</b>	+/- 0.2 mm (0.008")		
<b>Process Area</b>	100mm in X or Y direction	100mm x 100mm (4" x 4")	N/A
<b>Strip Patterns</b>	End strip only	End strips, longitudinal strips, window strips, simple patterns	N/A
<b>Insulation Types (non-exhaustive)</b>	PTFE / Teflon® Tfze® PVC Polyurethane Silicon Kapton® Polyimide Polyesterimide		
<b>Power Requirements</b>	110 - 120 Vac, 50/60 Hz 6 Amp. 1 phase 220 - 240 Vac, 50/60 Hz 1.5 Amp. 1 phase		
<b>Operating Conditions</b>	Ambient temperature 15°C to 30°C (60°F to 86°F) as standard Relative humidity 20% to 80% (non-condensing)		
<b>Dimension L x W x H</b>	1085 x 410 x 510 mm (43" x 16" x 20")	1085 x 410 x 510 mm (43" x 16" x 20")	980 x 410 x 510 mm (38.5" x 16" x 20")
<b>Weight</b>	45kg (99lbs)	45kg (99lbs)	40kg (88lbs)
<b>Options</b>	ACS-5 air cleaning system		

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](mailto:sales@spectrumtech.com) or on +44 (0)1656 655 437.



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