

# SIENNA™ 700 series

High performance laser wire stripping systems for the fast, damage-free and high quality removal of wire insulation from complex fine wires and cable assemblies



stripping

# SIENNA™ 700

## High speed, high specification laser wire strippers

The SIENNA 700 series is Spectrum's new, top of the range laser wire strippers designed for high speed, high precision insulation removal for high tech and complex fine wire & cable assemblies.

The SIENNA 700 series is particularly suitable for use in the manufacture of critical medical device cable assemblies and other high-specification electrical items.

New features of the SIENNA 700 series are as follows:

- Faster processing - More than 5 times faster than previous models
- Improved accuracy - +/-0.1mm
- Touch screen interface for easier programming
- USB job upload/download from laptop/PC
- Large job store memory
- Password protection access at different levels
- Simple to set-up and maintain
- Optional bar code job selection
- Optional networking
- More customisable:
  - Laser power - 25W, 50W or 20W scriber
  - Dual axis (DA) or dual axis with automatic wire handling (AWH)
  - Moving optics or moving product
  - Bespoke front end tooling

The 700 series is also available as a single or dual axis Scriber for cutting the metal shield on coaxial and micro-coaxial cables.

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, odors, particles and fumes from the laser stripping area and return clean air to the room. Contact us for more information.

Other requirements can be accommodated, please contact us to discuss: [sales@spectrumtech.com](mailto:sales@spectrumtech.com) or on +44 (0)1656 655 437.



Above: A SIENNA 700 set up for automated wire handling



## Summary Specification

Model	SIENNA 725	SIENNA 750	SIENNA 720SRD
Laser	25 Watt CO2	50 Watt CO2	20 Watt Scriber
Configuration	Dual axis (D) or Automated (AWH)		Dual Axis (D)
Control	HMI		HMI or PC
Wire Types	Single core wire Twin leads Twisted pairs Multi-conductor shielded cables Ribbon cables		Shielded wire Shielded ribbon cables Coax / Micro-coax
Wire Sizes	Up to 6mm OD (0.24")		Up to 1.5mm OD (0.0625") & 100mm wide (4")
Processing Speed	Up to 250 mm/s (10 inches/s)		
Strip Accuracy	+/- 0.1mm (0.004")		
Strip Range	100mm x 150mm (4" x 6")	100mm x 100mm (4" x 4")	
Insulation types (non-exhaustive)	PTFE ETFE PVC Silicon Polyurethane Polyimide Polyester Polyesterimide Fiberglass Polyethylene Nylon		Metal Shields
Options	<ul style="list-style-type: none"> <li>• ACS-5 Air Cleaning System</li> <li>• Measure and cut system (for AWH system)</li> <li>• Dereeler (for AWH system)</li> <li>• Barcode job selection</li> <li>• Additional tooling jigs</li> </ul>		
Power Requirements	230V-50Hz 5 Amp, single phase 110V-60Hz 10 Amp, single phase		
Dimensions H x W x L	657mm x 559mm x 1251mm (62" x 22" x 49")		
Weight	102Kg (225 lb)		

- All SIENNA systems are Class 1 laser products for use on open shop floor
- Complies to CAT 3 electrically safety category and all EU CE marking and FDA regulations
- 12 month return to base warranty on all new systems
- 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
- Maintenance contracts available to keep systems operating at optimum performance

SIENNA is a trademark of Spectrum Technologies PLC  
 COPYRIGHT 2011 SPECTRUM TECHNOLOGIES PLC. All rights reserved.  
 Specification subject to change without prior notice to provide for continuous product improvement.

**Europe:**  
 Spectrum Technologies PLC  
 Western Avenue  
 Bridgend,  
 CF31 3RT  
 UK

**North America:**  
 Spectrum Technologies USA Inc  
 Fossil Creek Tech Center  
 3934 Sandshell Drive  
 Fort Worth, TX, 76137  
 USA

**Asia-Pacific:**  
 Spectrum Technologies Asia Pacific  
 5/F Yang Guang World Tower, 2000,  
 Pudong Avenue,  
 Shanghai, 200135  
 P. R. China

T: +44 (0)1656 655437  
 F: +44 (0)1656 655920

T: +1 817 232 2373  
 F: +1 817 232 4354

T: +86 (0)21 6182 8088 ext.. 5263