

SIENNA™ 600 series

High performance fixed-beam laser wire stripping systems with moving stage for high speed, high throughput applications



stripping

SIENNA™ 600

High performance fixed-beam laser wire strippers with fast moving stage

The SIENNA 600 series is a range of fixed-beam laser wire strippers with a high speed dual axis stage designed for high throughput applications.

The SIENNA 600 series has a large processing area of 390mm x 290mm (15.35" x 11.41") and is particularly suited to large volume batch processing of small micro-coaxial cables used in electronics and medical device applications.

It is a free-standing unit contained in a single cabinet with an access door for placing the items to be processed.

The system is PLC controlled with a touch screen Human-Machine Interface ("HMI") to make data input and programming much easier. A USB port allows simple upload and download of job files from an external PC or laptop.

The SIENNA 600 has been designed so that two different laser types can be integrated into the system depending on the application - standard insulation removal or scribing of metal shields.

Key features and benefits of the SIENNA 600 series include:

- Maximum process speed of 300mm/second (11.8"/second)
- High positioning accuracy levels: +/- 0.1mm (0.004")
- Large process area: 390mm x 290mm (15.35" x 11.41")
- Colour touch-screen HMI for fast programming
- USB port for job upload/download from laptop/PC
- Large job store on machine - over 100 jobs
- Password protection access at different levels
- Simple to set-up and maintain
- Choice of laser type and power depending on application (contact Spectrum to discuss and check availability):
 - Standard stripping (25 Watt & 50 Watt)
 - Shield scribing (20 Watt and 30 Watt)



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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Summary Specification

Model	SIENNA 600 Standard	SIENNA 600 SR
Laser Power	25 or 50 Watt	20 or 30 Watt
Configuration	Dual axis, high speed stage	
Control	PLC with touch screen HMI	
Wire Types	<ul style="list-style-type: none"> • Single core wire • Twin leads • Twisted pairs • Multi-conductor shielded cables • Ribbon cables 	<ul style="list-style-type: none"> • Shielded wire • Shielded ribbon cables • Coax / Micro-coax
Wire Sizes	<6mm OD (0.24") Or <300mm (11.8") wide for ribbon cable	<1mm OD
Processing Speed	Up to 300 mm/second (11.8"/second)	
Positioning Accuracy	+/- 0.1 mm (0.004")	
Strip Range	390 mm x 290 mm (15.35" x 11.41")	
Insulation types (non-exhaustive)	Kapton® PTFE ETFE / XLETFE PFA FEP XL-Polyalkene PVF2 / PVDF PVC Silicone XLP Formvar® Polyester Fibreglass PET Nylon®	Metal shields
Power Requirements	230V-50Hz or 110V-60Hz	
Operating Conditions	<ul style="list-style-type: none"> • 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)	1200 mm x 1000 mm x 1500 mm (47.2" x 39.4" x 59.1")	
Weight	165 Kg	
Options	• ACS-5 Air Cleaning System	

- All SIENNA systems are Class 1 laser products for use on open shop floor, unless otherwise stated
- Complies to CAT 3 electrical safety category and all 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

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