

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 an augmented version of the SIENNA 200 and 300 series machines. The 700 series offers high speed, high precision insulation removal for 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 - +/-0.01mm
- Touch screen interface for easier programming
- USB job upload/download from laptop/PC
- Larger job store - over 100 jobs
- Password protection access at different levels
- Simple to set-up and maintain
- Optional bar code job selection
- Optional networking
- More customisable:
 - Laser power - 25W or 50W CO2; 20W or 30W scribe
 - Dual axis (DA) or dual axis with automatic wire handling (AWH)

The 700 series is also available as a dual axis Scribe 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 remove all smoke, odors, particles and fumes from the laser stripping area and return clean air to the room.

Other requirements can be accommodated, please contact us to discuss: sales@spectrumtech.com or on +1 817-232-2373.



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 Scribe |
| 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"> • ACS-5 Air Cleaning System • Measure and cut system (for AWH system) • Dereeler (for AWH system) • Barcode job selection • Additional tooling jigs | | |
| 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 electrical 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 2012 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
上海市浦东新区建韵路500号4幢905室
Room 905, Building 4,
500 Jiayun Road, Pudong District,
Shanghai, 201318,
P. R. China

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

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

T: +86 021 6052 3365