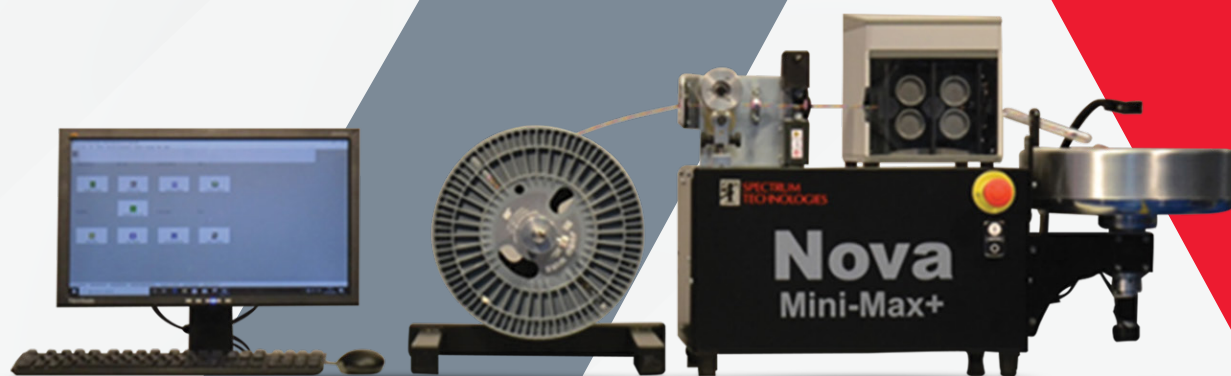




NovaTM Mini-Max+

Measure & Cut System

Nova Mini-Max+

Compact Precision for Wire Measuring and Cutting

The Nova Mini-Max+ is a measure and cut system designed for the precise processing of wire and cable used in the manufacture of complex electrical harnesses across a wide range of specialist applications.



Nova Mini-Max+

Benefits

- **Accurate Measuring and Cutting:** Dedicated measurement rollers ensure precise cut lengths across a wide range of wire materials and insulations types.
- **Compact Bench-Top Design:** Small footprint allows the system to fit easily into existing workstations and production environments.
- **Cost-Effective Production:** Provides a reliable automated solution for measuring and cutting wire without the complexity of larger systems.
- **Versatile Wire Processing:** Handles circular and non-circular wires, ribbon cable, heat shrink tubing, pneumatic tubing, and silicon/rubber tubing.
- **Simple Operation:** Control via PC enables quick setup and easy job management.

Enhanced Productivity and Quality Control

Supplied with a Powered Coiling Pan and integrated Knot & Splice Detector (KSD) as standard, the Nova Mini-Max+ improves wire handling, increases throughput and automatically detects wire anomalies before processing, helping to reduce scrap and rework while maintaining consistent product quality.

Efficient Batch Production

Designed for both short and extended production runs, the Mini-Max+ supports efficient batch processing with straight forward setup and operation. Jobs can be entered directly via the PC, allowing operators to manage production quickly and accurately while maintaining consistent output quality.

Improved Productivity and Traceability

Fully computer controlled, the Nova Mini-Max+ utilises the Spectrum's CAPRIS® Nova operator interface to provide intuitive system operation, flexible job management and seamless integration with customer manufacturing environments. Network connectivity enables production jobs to be downloaded directly to the system, while completed job data and customisable production reports can be uploaded automatically for improved production tracking and traceability.

Technical Specifications

STANDARD FEATURES

	Model	Nova Mini-Max+
Processing Specifications	Wire gauge / cross-section	34 - 6 AWG / 0.08 – 16 mm²
	Wire size (OD)	Up to 10 mm / 0.394 in
	Throughput speed (max)	30 m/min / 98.4 ft/min
	Processing length	2 - 999999 mm / 0.1 - 99999.9 in
	Number of cuts	1 - 9999
	Accuracy	±1 mm / ±0.039 in
	Wire type	Circular wire, non-circular wire, heat shrink tube, pneumatic tube, rubber / silicon tube
System Specifications	Configuration	Benchtop
	Temperature control	Air-cooled
	Dimensions (W x D x H)	806 x 538 x 529 mm / 31.7 x 21.2 x 20.8 in
	Weight	23 kg / 51 lbs
Control and Software	Machine control architecture	Windows® based control software
	Interface	PC
	Communications	RS-232, RJ45 Ethernet
	Program recipes	Spectrum Technologies bespoke program
Environmental and Operational Conditions	Operating temperature	+15°C to +30°C / +59°F to +86°F
	Operating humidity	20% - 80%, non-condensing
	Noise level	<70 dB(A)
Power Management	Electrical connection	100-240 VAC, 50/60 Hz, 1Φ
	Electrical consumption	1.15 kVA
Compliance and Standards	Regulatory compliance	CE; Machinery Directive 2006/42/EC; EMC Directive 2014/30/EC
	Safety standards	EN 60204-1

ACCESSORIES AND OPTIONS

Coiling Pan Sensor
Barcode Reader
Zebra Label Printer
Touchscreen Display (17")
Spares Kit

About Spectrum Technologies

Company Overview

Spectrum Technologies has been at the forefront of laser wire processing technology for over 35 years, developing and applying leading edge technology to provide solutions to problems in advanced manufacturing.

Founded in 1989 as a spin-out from BAE Systems' Advanced Technology Centre, the Company pioneered and commercialised UV laser wire marking within the aerospace industry – a process that has since become the global industry standard for identifying aerospace wire and cable. Spectrum has been independently owned since the management buyout in 1994.

Today, Spectrum Technologies is recognised as the world leader in the design and manufacture of specialised laser-based wire processing equipment. Its solutions are widely used in the production of complex wire harnesses and assemblies across aerospace, defence, medical, rail, automotive, and other critical industries.

Setting the Aerospace Standard Since 1989

We pioneered the use of UV laser wire marking in the late 1980s, as the safest possible method of identifying aircraft wire and cable. This process is now accepted as the global aerospace industry standard, and Spectrum is the world market leader in this field, trusted by leading aircraft OEMs and suppliers worldwide. Today the global fleet of civil and military aircraft relies on our technology for the precise, permanent and safe marking and identification of the electrical wiring system.

To discuss any of your requirements please contact us at sales@spectrumtech.com or on +44 (0)1656 655 437.



Scan for more information



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