



# Nova Mini-Max+

WIRE MEASURE & CUT SYSTEM

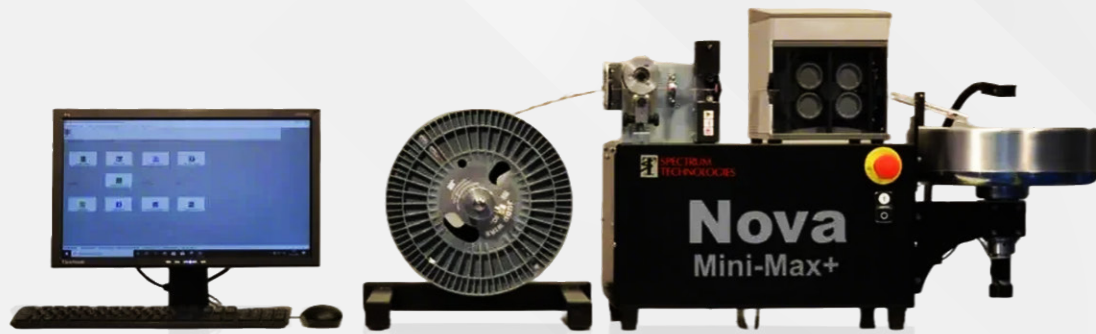
# Nova Mini-MaX

## Wire Measure & Cut System

The Nova Mini-Max+ Measure And Cut System is designed for processing wire and cable used in the production of complex electrical wire harnesses for a wide range of specialist applications.

Nova Mini-Max+ is fully computer controlled and uses Spectrum's standard *CAPRIS* Nova machine operator interface and can be networked with customers' manufacturing systems enabling jobs to be downloaded and selected as required by the operator; completed job data and customisable reports can be uploaded on completion. The system offers a complete solution for preparing cut to length wire and cables.

### NOVA MINI-MAX+ ADDITIONAL OPTIONS:



- **Powered coiling pan** – Cut lengths can be collected in a synchronised, powered coil pan.
- **Coil Pan Sensor** – A detector can be supplied with the coil pan to start processing the next wire as soon as it senses the operator remove the previous wire from the coiling pan.
- **Digital Knot and Splice Detector** – A custom optical knot and splice detector (KSD) can be incorporated in to the wire handling system at the point of entry to detect splices or other faults.
- **Zebra Label Printer** - This can be supplied and integrated with the Nova Mini-Max+, to print a label in real time for each wire processed with relevant information, such as wire bundle, wire number, wire length, shop number etc along with a bar code. Labels are configurable to customer requirements.
- **Sleeve Printer** – This may be integrated via third party software to produce marked heat shrink sleeves for identification of the individual wires being processed.
- **Touch Screen Monitor** – A 17" / 43cm touch screen monitor can be specified in place of the standard monitor.
- **Bar code Reader** – A bar code reader can be supplied and connected to the Nova Mini-Max+ system, enabling the wire supplier's labels and bar codes on the wire reels to be read and the data from the bar code label to be input to the system to verify the correct wire has been set up.
- **Nova Unpowered Dereeler Systems** – A passive unpowered dereeling system can be supplied; this allows the wires to be pulled under controlled tension at higher speed than from a simple "wire tree". The dereeler can be supplied as a single unit or multi-station unit holding up to 30 reels of wire.

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## Summary Specifications

<b>Cutting range</b>	Stranded conductor: 0.02 ... 10mm <sup>2</sup> (34 ... 8 AWG)	Solid conductor: 0.02 ... 2.5mm <sup>2</sup>	
	Adjustable		
<b>Clamping pressure</b>	Adjustable		
<b>Cross section cutting</b>	Automatic		
	Type	Min.	Max.
	Circular cross section wire	Ø 0.15mm (0.006in)	Ø 8.0mm (0.31in)
	Non-circular cross section wire	width 0.15mm (0.006in)	width 8mm (0.31in)
	Number of cuts/wires	1	9,999
	Length of cuts	2mm (0.1in)	999,999mm (99,999.9in)
	Feed rate per minute (nominal)	2.4m/min (8 ft/min)	30m/min (100ft/min)
	Cable over tension / wire jam detection	Yes	
	Measurement units	Millimetre / Inch	
	Cable slip detection	Yes	
	Manual and Automatic operation	Yes	
	Interface	RS232 or Ethernet IP	
<b>Material types and handling capacity</b>	Dimensions (W x H x D)	806 x 529 x 538 mm (31.7 x 20.83 x 21.2 inches)	
	Mode of operation	Electrical operation	
	Noise / Sound level	<70dBa	
	Weight	23kg (50.7lbs)	
	Operating temperature range	15 to 35°C (60 to 95°F)	
	Relative humidity	20% to 80% (non-condensing)	
	Electrical supply	110-120V/220-240V, 50/60Hz	
	Power consumption	150VA	
	Certification	CE Marked	
	EC Directives	EG-Machine Directive 2006/42/EG EC-Electromagnetic Compatibility Directive 2004/108/EG	
	Standards	DIN EN ISO 12100:2011-03 DIN EN ISO 13857:2008-06 DIN EN 349:2008-09 DIN EN 60204-1:2007-06 DIN EN 61000-6-2; VDE 0839-6-2:2006-03 DIN EN 61000-6-3; VDE 0839-6-3:2011-09	



Europe:  
Spectrum Technologies  
Western Avenue  
Bridgend  
CF31 3RT  
UK  
T: +44 (0)1656 655437

North America:  
Spectrum Technologies USA Inc.  
5400 Airport Freeway, Suite F  
Haltom City  
Texas 76117  
USA  
T: +1 817 232 2373

Asia-Pacific:  
Spectrum Technologies Asia-Pacific  
海市浦东上海市浦东新区建韵路  
500号4幢905室  
Room 905, Building 4, 500 Jianyun  
Road, Pudong District, Shanghai,  
201318, P. R. China  
T: +86 (0) 21 2096 2718