



SPECTRUM
TECHNOLOGIES



Nova Mini-MaX

WIRE MEASURE & CUT SYSTEM

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Wire Measure & Cut System

Nova Mini-MaX: Measure & cut system for processing a wide range of wire & cable types and sizes used in the production of complex electrical wire harnesses for aerospace, defence, military vehicles, rail and other specialist applications.



The Nova Mini-MaX is an all electric measure and cut system suitable for processing wire and cable up to 10mm², 8.0 mm / 0.3 inch nominal outside diameter. This compact system offers a complete solution for preparing cut wire and cable.

The system has been designed for ease of set up and simplicity of use. The system processes wires, measuring and cutting them to length via an easy to use touch pad or via an integrated PC.

This system is optimally suited to batch processing and both short and extended production runs thanks to its simple operation and the possibility to process jobs directly from your PC.

The two driven rollers provide effective traction and ensure that wire is transported through at the highest speeds. The measurement rollers which run separately guarantee precise cut length accuracy for a wide range of different materials and wire types. The electric cutter ensures a high quality cut.

With simple loading and unloading, wire changeover is quick allowing you to measure and cut a wide range of wire and cable easily.

Key Features

- Wire size range: up to 8.0 mm (0.3 inch) outside diameter - nominal
- Wire types include: Circular and non-circular cross section wire, ribbon cable, heat shrink tube and pneumatic tube
- Maximum speed: 30 m/minute (100 ft/min)
- Bench-top system
- Touch pad or PC controlled operation
- Option for integrating Laser Wire Strippers for automated strip, measure and cut capabilities
- Compact size: Dimensions 194mm (W) x 228mm (H) x 301mm (D) (7.6 x 9.0 x 11.8 inches)



Main power connection	90 – 264 VAC	47 – 63Hz	
Power consumption	150VA		
Cutting efficiency (Flexible / Solid)	0.02mm ² ... 10mm ² (34 – 8 AWG)	0.02mm ² ... 2.5mm ²	
Clamping pressure	Adjustable		
Cross section cutting	Automatic		
Material types and handling capacity	Type	Min.	Max.
	Circular cross section wire	Ø 0.15mm	Ø 8.0mm
	Non-circular cross section wire	width 0.15mm	width 8mm
	Ribbon cable	width 0.15mm	width 8mm
	Heat-shrink tube	width 3mm	width 8mm
	Pneumatic tube	width 3mm	width 8mm
	PA,PE,PU,PTFE rubber and silicon tube	width 3mm	width 8mm
Cable over tension / wire jam detection	Yes		
Measurement units	Millimetre / Inch		
Cable slip detection	Yes		
Number of cuts	1 ... 9999 pcs		
Length of cuts	2mm ... 999999mm/0.1in ... 99999.9in		
Manual and Automatic operation	Yes		
Feed rate	Min. 0.04m/s ... Max. 0.5m/s		
Interface	RS232	25way D-Type I/O	
Dimensions (W x H x D)	194mm x 228mm x 301mm		
Weight	10Kg	22lbs	
Mode of operation	Electrical operation		
Noise / Sound level	<70dBa		
Operating temperature range	15 to 35°C		
Certification	CE		
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		



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