



## Nova™ 50-100i Series



PRELIMINARY DATA SHEET - May 2017

INTRODUCING THE Nova 50-100i SERIES OF UV LASER WIRE MARK, MEASURE AND CUT SYSTEMS: *A new family of faster, more flexible products*

Incorporating the latest leading edge technologies the Nova 50-100i Series of laser wire markers are designed to meet the demands of today's wire harness manufacturers:

- Fully integrated, benchtop wire processing system
- Lowest cost of ownership
- Flexible marking – unlimited range of characters
- Easy to install, operate and maintain

SIMPLIFY MANUFACTURING - INCREASE PRODUCTIVITY - REDUCE COSTS

*From Spectrum Technologies - the global leader in laser wire processing systems*

## SUMMARY SPECIFICATION

CAPRIS® Nova 50-100i series UV Laser Wire Marking Systems. Applicable to all models:

### LASER MARKER

- High efficiency, long life diode pumped solid state (dpss) UV laser
- Fully flexible scanning marking system
- Sealed lasers – no need for specialised laser maintenance engineers / training
- Simplified maintenance; minimal consumables
- Reduced total cost of ownership
- Three models to choose from:  
Nova 50-101i / 50-102i / 50-103i

### PRINT SPECIFICATION

- Up to 200 characters per identification mark as standard
- Full upper and lower case ASCII alphanumeric character set available as standard
- Machine readable codes
- Custom characters available on request

### WIRE PROCESSING SPECIFICATION

- Wire size range: 26 AWG to 6 AWG (0.8 mm to 6.4 mm OD)
- Min/max cable length:  
150mm (6") / 999m (39,300") (nominal)
- Accuracy of processed wire and cable lengths: -0/+0.25% (typical) +0.5% (max)
- Measure and cut capability for non-markable wires
- Speeds up to 28 m/minute (90 ft/minute)

### WIRE HANDLING

- Single and multi-station dereeler options
- Manual wire loading
- Automatic detection of knots, splices and wire ends with optional optical KSD (Knot and Splice Detector) \*\*
- Single motorised coiling pan as standard
- Other downstream wire collection options available, including rereeler option for continuous filament processing \*\*

### WIRE TYPES

- Marks all types of UV-markable wires and shielded and unshielded multi-conductor cables. Full list available on request

### CONTROL

- Windows based control software
- New, intuitive, easy to use interface
- Touchscreen operation standard on all models
- Smart wire and cable wastage minimisation routine

### OPERATING CONDITIONS

- Ambient temperature 15°C to 35°C (60°F to 95°F)
- Relative humidity 20% to 80% (non-condensing)

### SITE REQUIREMENTS

- Electrical power: 5kVA single phase, e.g. 230VAC, 50/60Hz;

### DIMENSIONS

- 1096 (L) x 762 (W) x 827 (H) mm (43.1 x 24.5 x 32.5 inch)

### WEIGHT

- 91 kg / 200 lbs

### STANDARDS & QUALIFICATIONS

- Nova 50-100i wire markers comply with the requirements of SAE AS5649 and ASD EN4650 "Wire and Cable Marking Process, UV Laser".
- The laser marking process has been verified not to cause any impairment to the wire surface or to vary the electrical or mechanical properties of the wire insulation when carried out in accordance with the operating instructions.

\*\* Optional items subject to charge.



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