

Odyssey-8

Meet the Odyssey-8, the wire processing revolution you've been waiting for. This compact powerhouse handles single conductors with ease. With high volume output and an auto start sensor, the Odyssey-8 is the first choice for efficient micro wire processing.

The laser-safe enclosure guarantees safety and precision. Say goodbye to wire stripping hassles—say hello to the Odyssey-8, your compact, efficient, and precise wire stripping solution.



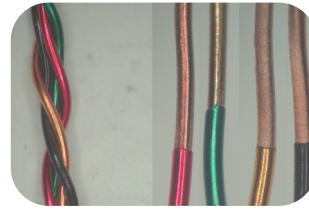
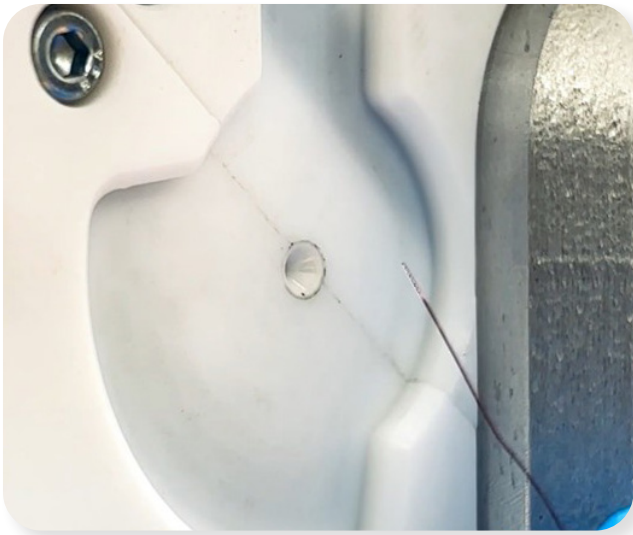
Easy to Use, Fast Changeover

- Simple, recipe controlled operation and programming requires minimal training and ensures consistent results.
- Bench top system takes up minimal space within the production line.
- Automatic wire detection and gripper holds the wire while processing.
- Short cycle time and simple programming ensures efficiency.
- Piece and laser hour counter to guide servicing and keep your machines running optimally.

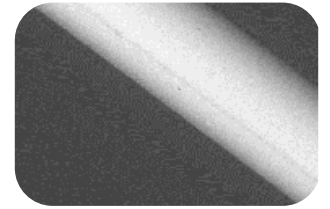
Wide Range of Applications

- Controlled processing of the smallest wire diameters down to 50 AWG.
- Suitable for single conductors <0.4mm in diameter (27 AWG+).
- Short breakout length of 25mm.
- Can be used as a stand-alone machine or integrated into an existing line.

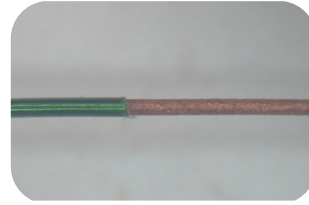




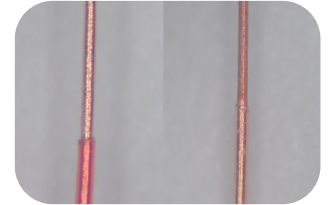
31 AWG multi-filar wire



SEM Image of wire processed with the Odyssey-8



26 AWG magnet wire



40 AWG twisted pair wire with an outer ETFE coating

Odyssey-8 Technical Specifications	
Suitable Materials	Polyimide type insulations - no fluropolymers or PVC
Processing Speed	< 5 second cycle for a typical 2mm strip (material dependent)
Processing Length	Up to 6mm
Breakout Length	18mm
Max. Wire Diameter	< 0.4mm (27 AWG)
Interface	7-inch touchscreen display, RFID badge login
Noise Level	~65 dB (A)
Dimensions (LxWxH)	Laser Processing Unit: 180 x 340 x 480 mm Power Supply Unit: 320 x 200 x 75 mm
Power Supply	230V, 5A or 120V, 10A. Single phase supply
Extraction	Required to ensure safety and optimum performance. Maximum 180 m ³ /hour air flow, Pre-filter (F6 as per ISO 16890, HEPA/Carbon filter
Weight	Laser Processing Unit: 20 kg Power Supply Unit: 6 kg
Important Notes	Laser Wire Solutions recommends producing a small sample of wire or cable for testing to ensure processing suitability. We will then provide a sample report with our findings.

As an industry leader in automated wire processing, Laser Wire Solutions delivers cutting-edge solutions to customers around the world.

Our comprehensive portfolio includes top-quality laser wire processing machinery with intelligent software, ensuring safe, flexible, and efficient processes. Our global sales and service network supports customers in maximizing their investments.

For queries contact sales@laserwiresolutions.com