



Datasheet

Odyssey-4.3



The Ultimate Solution for *Precision Wire Stripping*

Introducing the Odyssey 4.3, a true game-changer in the world of wire stripping. With its ultra precision stripping, it stands as the wire stripping solution you've been eagerly anticipating. Its exceptional prowess lies in the meticulous removal of enamel from the finest wires, setting new standards for precision in the industry.

Comprising three units elegantly integrated onto a single table, the Odyssey 4.3 not only boosts efficiency but also incorporates an RFID reader for effortless operator logins. Impressively, it can strip an astounding 40 wires of 40AWG simultaneously.

Designed based on invaluable customer feedback, this machine not only surpasses its predecessors but also achieves faster processing speeds, redefining what precision and efficiency truly mean in wire stripping technology.

Ultra Precise

Effortlessly strip wires ranging from 50 AWG down to 30 AWG, providing versatility that exceeds industry standards. With an astonishing ± 0.001 inch positioning repeatability, it ensures the highest quality results with absolute precision, every time.

Residue-Free Stripping

All insulation is expertly vaporized. This meticulous process leaves no residue and causes no harm to the conductors, significantly minimizing costly scrappage. With this innovative technology, you can trust in the Odyssey 4.3 to preserve the integrity of your wires while delivering unparalleled precision in every strip, ensuring maximum efficiency and cost-effectiveness.

Customer Driven Design

The Odyssey 4.3 is meticulously crafted to seamlessly fit into your production line. Developed based on invaluable customer feedback, it's tailored to enhance your workflow, ensuring a hassle-free experience in wire stripping technology.

Key Features

- Fixture plate with tensioning clamp to ensure the wires are kept in a constant and repeatable position for processing
- Processes wires 50 AWG to 30 AWG
- Bench top system
- UV laser for fine enamel stripping
- Optional camera to check wire position and strip
- RFID badge login

User Interface

- Recipe controlled
- Simple recipe backup
- Simple programming – no graphical user interface needed
- Multi-languages supported

Suitable Materials

- Polyurathane Enamel EW / EWF
- Polyester Enamel PEW
- Polyester-imide EIW
- Polyamide-imide
- Kapton
- ML
- PTFE or ETFE (on request)



Fixture plate designed to hold 40 wires at 40AWG

Processing

- Processing Area
- Processing Length
- Wire Diameters

- 65 x 65 mm
- Up to 65 mm
- < 0.2mm

Safety

- Fully enclosed and safe for use on open shop floor
- Complies with all relevant international safety standards
- Class 1 laser product

Suitable Wires



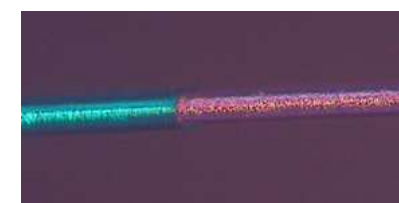
Single Wire



Enamel Wire



Catheter Wires



Micro Wire



We Have A Global Footprint

With our partners, distributors, and customers located across Europe, North America and Mexico, our expert team is well prepared to help you find the right solution for your precision wire stripping needs.

Get in Touch Today

+44 1443 841 738
sales@laserwiresolutions.com
www.laserwiresolutions.com

Odyssey-4.3

Operating Conditions

<ul style="list-style-type: none"> • Environment • Temperature • Humidity 	<ul style="list-style-type: none"> • Light duty, industrial environment • 18 – 30°C (60 – 90°F) • 20 – 80%, Non-Condensing <p>No compressed air needed, PLC controlled & air cooled</p>
--	---

Electrical

<ul style="list-style-type: none"> • Power • Power Consumption (Typical) 	<ul style="list-style-type: none"> • 120V - 60 Hz, 10 Amps, single phase supply • 3.5kW
--	---

Acoustic Noise

<ul style="list-style-type: none"> • Machine 	<ul style="list-style-type: none"> • ~65dB(A)
---	--

Mechanical

<ul style="list-style-type: none"> • Dimensions (LxWxH) <ul style="list-style-type: none"> ◦ Laser Processing Unit ◦ Electrical Cabinet • Umbilical Length (m) • Net Weight 	<ul style="list-style-type: none"> • 1180 x 800 x 1470 mm • 366 x 308 x 294 mm • 2m • 220kg
---	---



SAFETY INFORMATION

Please read the instruction manual carefully in order to safely operate any Laser Wire Solutions products.

The information contained in this publication is based on Laser Wire Solutions' internal research and evaluation at the time of release and is subject to change without notice. Specifications are expressed in metric units. Information marked with an asterisk may be subject to change.