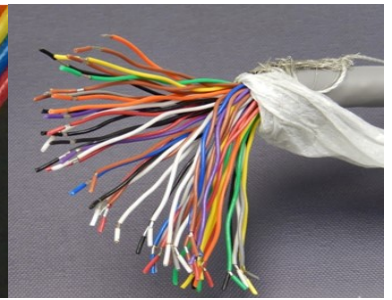
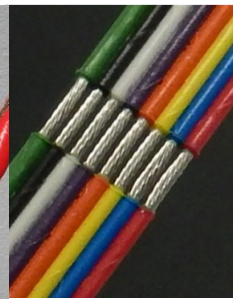
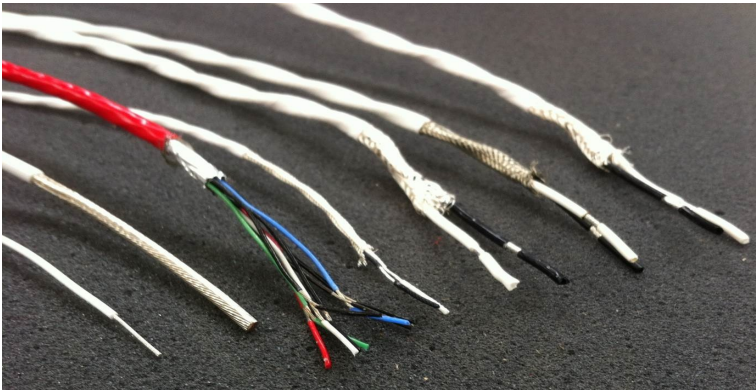


# MERCURY-2

## Precision Laser Wire Stripping Systems



**High performance | Low cost | Compact | Flexible**

# MERCURY-2

Laser Wire Solutions' Mercury-2 benchtop laser wire strippers provide a robust and highly flexible method for stripping a variety of polymer insulated wires and ribbons, ranging in size from 0.025 mm – 5 mm (0.001" – 0.2").

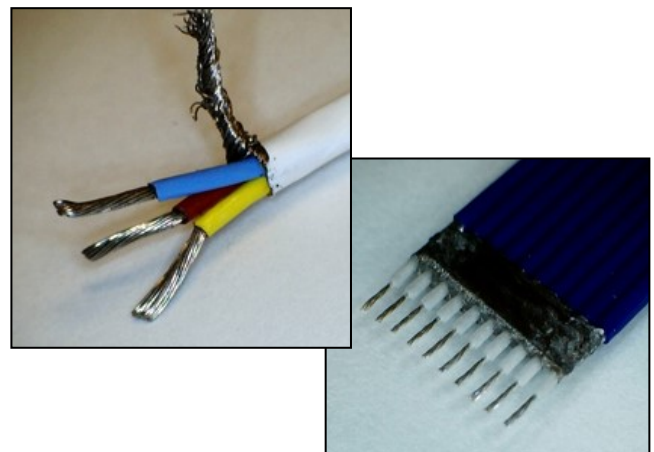


## Technology

Featuring carbon dioxide laser technology, the Mercury-2 laser wire strippers vaporize any polymer insulation cleanly and precisely, whilst harmlessly reflecting from the shield or conductor—giving a perfect, nick-free strip every time.

The Mercury-2 features dual axis (X & Y) motion, which allows slitting along the wire as well as the wire ends. This makes the job of peeling back a long jacket, or making a window a piece of cake.

A standard fixture plate is supplied with the machine to position wires for improved accuracy. However, if required a custom fixture can be designed to meet a particular wire configuration.



## Features & Benefits

**Versatile:** 52 AWG to 6 AWG, single conductor, coax and ribbons.

All polymer insulations. A large 5" x 7" (127 mm x 178 mm) working area allows multiple wires to be stripped in one go.

**Reliable:** off-the-shelf integrated motion stages, sealed USA manufactured lasers and optics. USA off-the-shelf control system.

**Fast:** up to 250 mm (10") per second stripping stage speed to maximize your production.

**Compact:** 620 x 720 mm footprint.

**Precise:** +/- 0.1 mm laser repeatability for the best quality every time.

**Flexible:** configure for use with a measure & cut unit for automatic laser stripping.

**Lowest cost of ownership:** No laser or machine wear parts. Spare parts available direct from OEM vendor.

**LASERWIRE**  
S O L U T I O N S

## Specifications

Element	Mercury-2
<b>Laser:</b>	Sealed, maintenance-free industrial laser for 24/7/365 operation. Air cooled - 30 Watts standard.
<b>Stripping processes</b>	Dual axis motion - cross cuts - cross cut and slit - window strips - slow raster scan (area ablation).
<b>Strip lengths</b>	Up to 120 mm- set automatically within program
<b>Processing area</b>	5" x 7" (127 mm x 178 mm)
<b>Wire Size</b>	No minimum—50 / 52 AWG stripped without problem. Maximum—above 5 mm the cable may need to be rotated to strip a full 360 degrees
<b>Insulations</b>	PTFE, ETFE, PVC*, PU, Silicone, Kapton, Polyimide, Polyester, Fibreglass, Polyethylene, Nylon etc. etc. <i>*PVC requires a special fume extractor due to HCl fumes</i>
<b>Speed</b>	Maximum: 250 mm (10") / sec (higher speeds with limited process area available as an option) Minimum : 6 mm (0.24") / sec
<b>Control</b>	Full color touchscreen interface. Storage for 99 process recipes. Upload and download stripping recipes to and from a laptop via Ethernet for back up. Simple programming wizards—no need for a PC
<b>Accuracy</b>	+/- 0.1 mm (0.004") laser repeatability
<b>Footprint</b>	620 x 720 mm x 1000 mm / 24.41 x 28.35 x 39.37" (w x d x h)
<b>Weight</b>	100 kg (uncrated)
<b>Facility requirements</b>	230V single phase power, 5 Amps / 115 V single phase power, 10 Amps Fume extraction for health and safety reasons (HEPA filtered air filter unit available as an option)
<b>Applicable standards</b>	Fully compliant with CE & OSHA requirements. Class 1 laser system. Supplied with full declaration of Conformity . RoHS compliant
<b>Options</b>	- Controls interface and wire guides for integration with measure & cut system (e.g. Schleuniger EcoStrip) - Barcode job selection - Integrated power calibration for highest repeatability.

# OUR MARKETPLACE



We serve the global market, both directly and through the local Schleuniger sales network. All of our products comply with the latest US and European safety standards. For a full list of international contacts, visit us at [www.laserwiresolutions.com](http://www.laserwiresolutions.com).

Laser Wire Solutions is a leading provider of laser stripping solutions for the highest quality medical, automotive, consumer electronics, defense and aerospace interconnects. We can support you with proof of principle samples, contract manufacturing services or machine supply, including customization. Check out our [website](http://www.laserwiresolutions.com) for more information.

## Headquarters

Laser Wire Solutions  
Unit 12, Business Development Centre  
Main Avenue, Treforest Industrial Estate  
Pontypridd, CF37 5UR  
South Wales, UK  
**Tel: +44 1443 841 738**  
[sales@laserwiresolutions.com](mailto:sales@laserwiresolutions.com)



**LASER WIRE**  
S O L U T I O N S