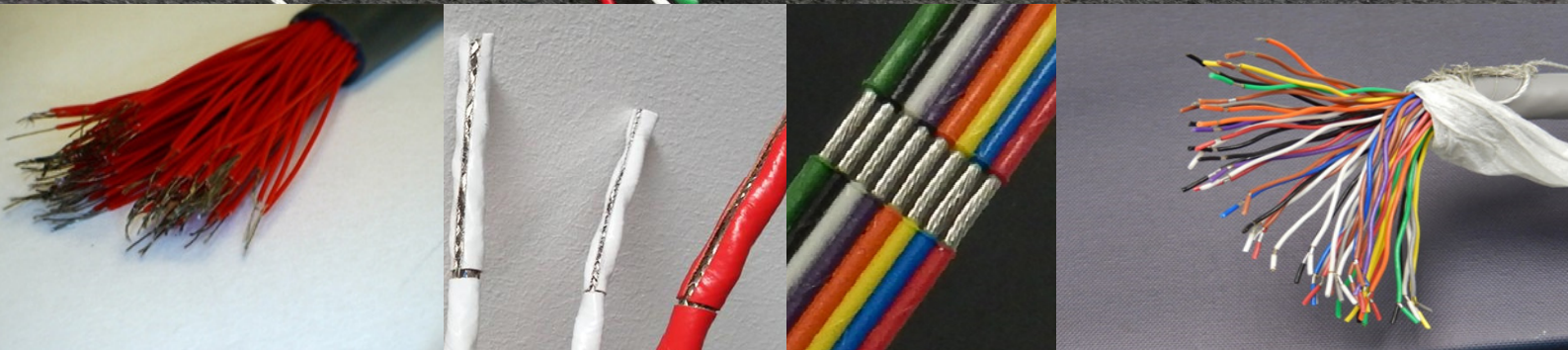
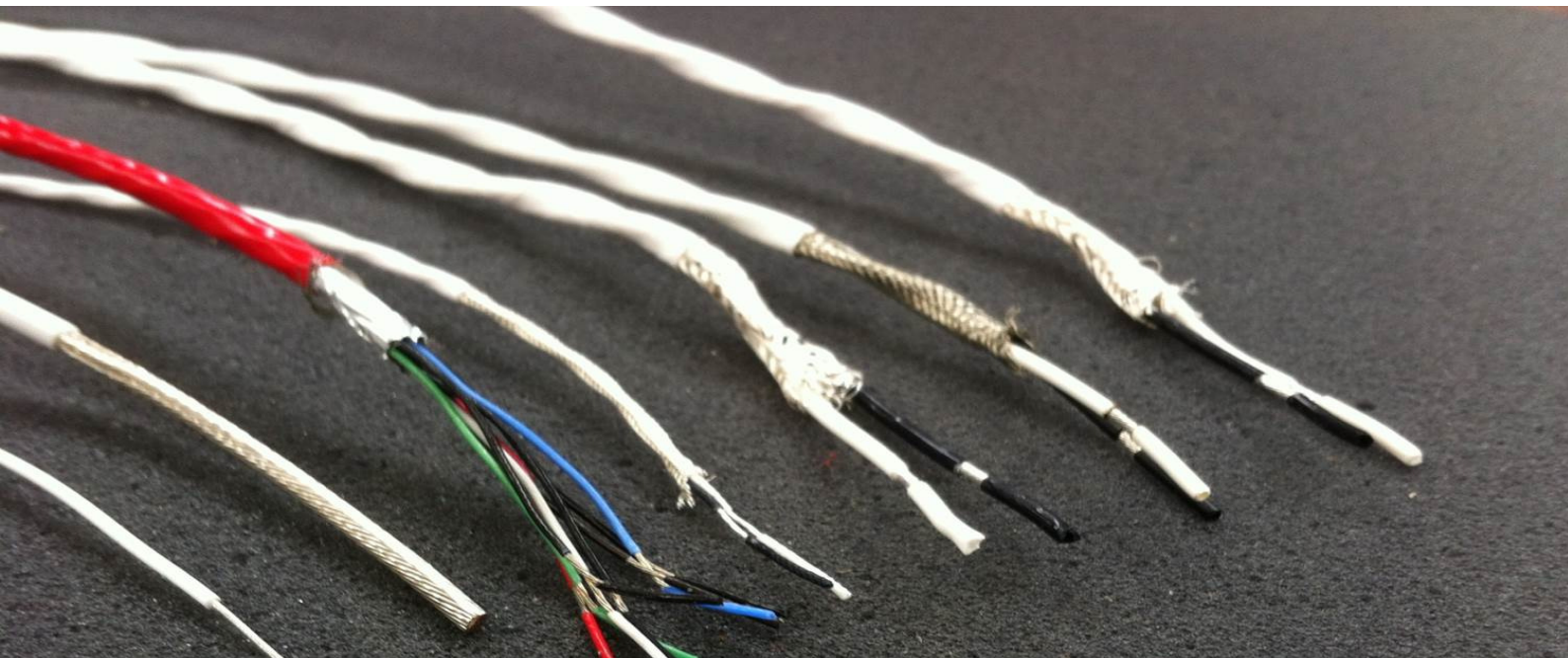


# MERCURY

**Precision Laser Wire Stripping Systems**



**Our range of flexible, compact laser wire strippers offer unrivalled performance at a cost effective price point.**

# MERCURY

Laser Wire Solutions' Mercury laser wire strippers are an excellent multi-purpose tool for any precision wire stripping requirements.



*Mercury 2 model—dual axis*

## Technology

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

Available in 2 models and 2 power versions, all in the same compact footprint.

**Mercury-1** : Entry level model for stripping the ends of wires and jackets

**Mercury-2**: Most flexible solution allowing slitting along the wire as well as stripping the wire ends. Makes the job of peeling back a long jacket, or making a window a piece of cake.



*Mercury 1 model—single axis*

## Features & Benefits

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

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

**Fast:** Up to 250 mm per second stripping stage speed to maximize your production

**Compact:** 620 x 720 mm footprint

**Precise:** +/- 0.1 mm 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

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

## Specifications

	Mercury 1	Mercury 2
<b>Laser:</b>	Sealed, maintenance-free industrial laser for 24/7/365 operation. Air cooled - 30 Watts standard - 55 Watts option	Sealed, maintenance-free industrial laser for 24/7/365 operation. Air cooled - 30 Watts standard
<b>Stripping processes</b>	Single axis of motion - cross cuts only	Dual axis motion - cross cuts - cross cut and slit - window strips - slow raster scan (area ablation)
<b>Strip lengths</b>	Up to 125 mm—length set manually via a back stop with digital micrometer read-out	Up to 120 mm- set automatically within program
<b>Processing area</b>	Up to 75 mm wide	180mm x 120mm
<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/sec (higher speeds with limited process area available as an option) Minimum : 6 mm/s	
<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 PC	
<b>Accuracy</b>	+/- 0.1 mm	
<b>Foot print</b>	730 x 500 x 450 mm (w x d x h)	620 x 720 mm x 1000 mm (w x d x h)
<b>Weight</b>	45kg (uncrated)	100kg (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>	- Red laser beam tracer for easy service optical alignment and to aid setting up new stripping programs ( <i>mercury 2-30 only</i> ) - Fume extraction unit - additional fixtures (or we can supply the drawings)	- Controls interface and wire guides for integration with measure & cut system (e.g. Komax Kappa or Schleuniger EcoStrip) - Barcode job selection ( <i>Mercury-2 only</i> ) - Integrated power calibration for highest repeatability ( <i>Mercury-2 only</i> )



We serve the global market, both directly and through local agents.  
All of our products comply with the latest US and European safety standards

Laser Wire Solutions is a leading provider of laser stripping solutions for the highest quality medical, defence and aerospace interconnects. We can support you with proof of principle samples, contract manufacturing services or machine supply, including customization. Check out our website for more information.

## Headquarters

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**LASER WIRE**  
SOLUTIONS

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