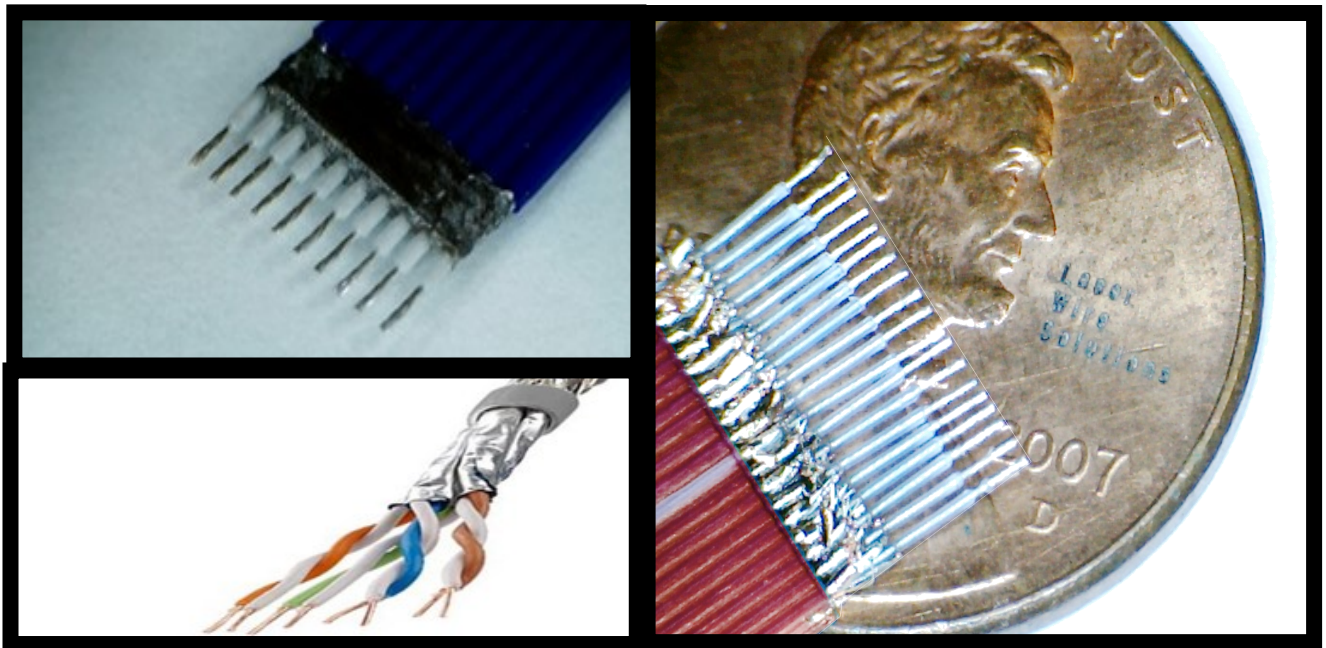


GEMINI-2

Precision Laser Shield Cutting Systems



**Compact and powerful shield cutting for
micro-coax and aluminized mylar foils**



Laser Wire Solutions' Gemini-2 laser shield cutters are an excellent tool for any precision shield cutting .



Gemini 2 model—dual axis

Technology

Featuring fiber laser technology, the Gemini strippers vaporize a small volume of shield material cleanly and precisely. For most polymer insulation the laser light harmlessly reflects from it. For more susceptible dielectrics, apply solder to the shield and partially cut through the shield to allow it to be snapped.

Applications

The Gemini system is ideally suited for the following key applications:

- aluminized mylar foil. Often difficult and slow to cut mechanically. The laser scores right through the aluminium and along it to allow it to be peeled off
- micro-coax shields. When coax is under 40 AWG, or the coax is ribbonized—mechanical stripping is not an option. The Gemini can scribe a tinned shield to allow it to be accurately snapped. For some cable constructions it is possible to directly cut the shield without damaging the underlying dielectric. Consult the factory for sample testing.

Features & Benefits

Versatile: mylar –aluminium foil shield cutting, direct micro-coax shield cutting, soldered shield scribing

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

Fast: Up to 250 mm per second stripping stage speed for working with the thinnest cables

Compact: 620 x 720 mm footprint

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

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



Specifications

	Gemini - 2
Laser:	Sealed, maintenance-free industrial laser for 24/7/365 operation. Air cooled - 20, 30 and 50 Watt options
Cutting processes	Dual axis of motion - strip position is programmable via HMI - laser cuts a single line to scribe a soldered shield or cut through foil / serves
Cut lengths	Up to 125 mm (5")—length set via program recipe
Processing area	Up to 180 mm (7") wide
Wire Size	No minimum—50 / 52 AWG stripped without problem. Maximum—above 30 AWG—check with the factory
Cut materials	Micro-coax shields Aluminized mylar foils
Speed	Maximum: 250 mm/sec (higher speeds with limited process area available as an option) Minimum : 6 mm/s
Control	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
Accuracy	+/- 0.1 mm
Foot print	620 x 720 x 1000 mm 25 x 28 x 40"
Weight	100kg (uncrated)
Facility requirements	115 V single phase power, 10 Amps / 230V single phase power, 5 Amps Fume extraction for health and safety reasons (HEPA filtered air filter unit available as an option)
Applicable standards	Fully compliant with CE & OSHA requirements. Class 1 laser system. Supplied with full declaration of Conformity . RoHS compliant
Options	- Red laser beam tracer for easy service optical alignment and to aid setting up new stripping programs - Fume extraction unit - additional fixtures (or we can supply the drawings)



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

Laser Wire Solutions

Unit 12, Business Dev. Centre, ,
Main Avenue, Treforest Ind. Estate
Pontypridd, CF13 5UR, UK

Tel: +44 144 384 1738

sales@laserwiresolutions.com



LASERWIRE
S O L U T I O N S

For a full list of international contacts visit us at www.laserwiresolutions.com