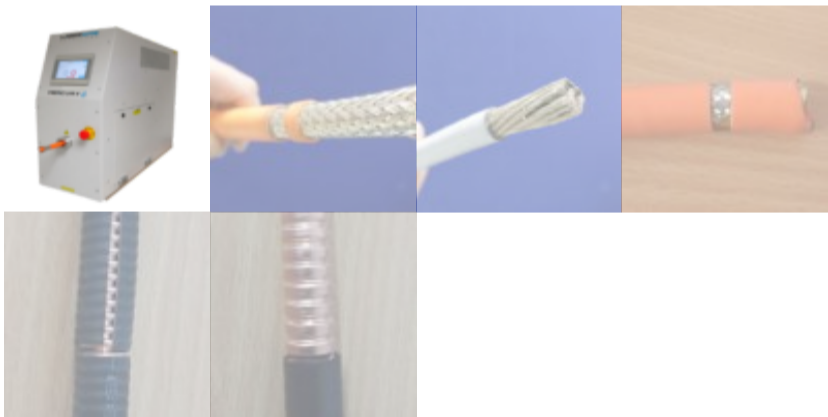


HOME > MERCURY > MERCURY-6

Mercury-6



The Mercury-6 bench-top rotary laser wire stripper heralds the latest breakthrough in stripping multi-layer cables. It is particularly suited for stripping high voltage electric vehicle cables. It features a 2-D optical system that has both a linear and rotary axis to allow circumferential and length slit. This also gives it the capability to quickly and automatically adjust focus to strip various sizes of cable at the touch of a button from 0.08" (2 mm) up to 1.18" (30 mm) outer diameter. It not only strips the outer insulation, but also cuts the inner Mylar foil shield. A unique cable end finding system ensures that accurate wire lengths are processed.

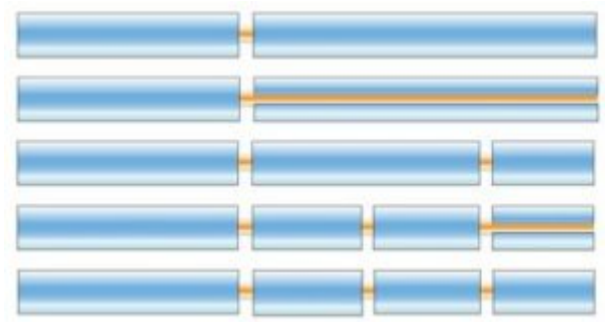
- Versatile: strips various sizes of cables, including multi-layer conductor cables, such as outer Coroplast insulation and inner Mylar foil layer on electric vehicle cables, up to 1.18" (30 mm) outer diameter and up to 7.9" (200 mm) strip length.
- Flexible and fast: quick loading of single wires / cable with auto-adjustable focus to enable quick change-over between wire sizes
- Powerful: 55-Watt Laser.
- Clean and precise: nick-free stripping with no damage to underlying conductor. Accurate lengths processed with unique wire end locating system.
- Reliable: proven laser source and optics.
- Ease of use: operator selects via touchscreen the desired stripping parameters (including strip lengths, laser power and speed) from the programmed library.
- Compact size: bench-top unit which can be operated from a sitting position with space for other tools and parts.

- Low maintenance: no wear parts on laser or machine itself.

+ APPLICATION

Strip Types

The Mercury-6 allows flexible wire stripping:



- cross-cut: laser separates the slug of insulation - operator pulls off as a second operation
- slit: laser makes a cross cut but also slits along the insulation to aid peeling off a long length (especially used for cable jackets)
- two cross-cuts
- two cross-cuts with a slit
- three cross-cuts.

Materials

As with all the Mercury systems, the Mercury-6 machine is capable of stripping all types of polymer insulations. The amount of melt, vaporization or chemical decomposition depends on the exact polymers used. Below is a non-exhaustive list of materials that can be stripped:

- Fluoropolymers, such as PTFE, ETFE, PFA
- Polyethylene
- Nylon
- Silicone
- PVC
- Rubber
- Mylar
- Fiberglass
- Polyurethane
- Polyester

+ SPECS

Min. Outer Cable Diameter	2 mm (0.08")
Max. Outer Cable Diameter	30 mm (1.18")
Stripping Length Increments	0.1 mm (0.004")
Strip types	Cross-cuts and slits
Max. Stripping Length	200 mm (7.84")
Speed	Up to 250 mm (9.84") per second maximum linear slitting speed
Cable Loading	Via hand through a single cable port
Dimensions (L x W x H)	340 mm width x 785 mm height x 990 mm depth (13.5" x 31" x 39")

Content missing

You may also like...

Mercury-4E

Mercury-4

Mercury-5

Mercury-2

Related products

AUTOMATED MERCURY

CONTACT

+44 (0) 144 384 1738
INFO@LASERWIRESOLUTI
ONS.COM

SOLUTIONS

- > ABOUT LASER WIRE STRIPPING
- > LASER MICRO-SOLDERING
- > CONTRACT MANUFACTURING

INDUSTRIES

- > MEDICAL WIRE STRIPPING
- > AUTOMOTIVE CABLE STRIPPING
- > DATA CABLE STRIPPING

KNOWLEDGE

- > KNOWLEDGE CENTER
- > DOWNLOADS
- > COMPANY NEWS
- > FREQUENTLY ASKED QUESTIONS

LASER WIRE SOLUTIONS
UNIT 12 BUSINESS
DEVELOPMENT CENTRE,
MAIN AVENUE,
TREForest INDUSTRIAL
ESTATE,
PONTYPRIDD,
CF37 5UR
UK

> [SUPPORT](#)

> [AEROSPACE AND
DEFENSE WIRE
STRIPPING](#)

[TERMS & CONDITIONS](#) | [PRIVACY POLICY](#) | [COOKIE POLICY](#)

© COPYRIGHT LASERWIRE SOLUTIONS LTD 2022 – ALL RIGHTS RESERVED

WEBSITE BY: [WATERS](#)