

## Contact Information

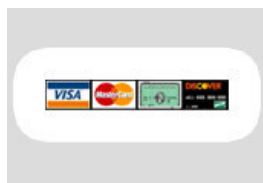
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## JUPITER LX - Laser Wire Stripper



Programmable remote control.

The JUPITER LX is fixture based laser wire stripper that is designed to accommodate your process wire and harness fixture.

### FEATURES

- No nicks, kinks or any other damage to the conductor.
- Fine stranded wire capable.
- Wide range of cutting patterns.
- Optional shielding gas to prevent carbonization of the insulation edge.
- Stand alone system.

### THEORY OF OPERATION

The JUPITER LX laser wire stripper uses a 10W CO<sub>2</sub> laser system. It provides the possibility to strip the wire from either side as well as possibility to strip both sides the wire in forward and return path. This guarantees a precision cut and clean separation of the jacket without any damage to metal conductor. The JUPITER LX makes optimum use of shielding gas which is routed through the optical module to keep it purged clean. The shielding gas comes out directly around the laser beam from the same nozzle protecting the insulation material from burning and carbonization. Pressurized air provides sufficient protection for most insulation materials if no inert gas is supplied to the quick disconnect port.



The JUPITER LX system uses a high level Programming language in a graphical user environment. Syntax checking, compiling, downloading, EEPROM storing, and vital function monitoring are only some of the many features. The vital functions are visible on a monitoring display screen when performing maintenance or operating with a computer connected. This is a stand alone system that does not require any external equipment to operate or maintain.

The system includes a programmable remote control from which any function can be selected via software set up.

The JUPITER LX system features a universal I/O port which can be used for the remote control and/or other control equipment. This port can be used for interface communication to increase system function and flexibility.

### SPECIFICATION

The JUPITER LX is low cost, laser based wire stripper designed for engineering and production applications. The small table top stripper features a robotic interface with equipment network and SPC data collection capability. Cable with is easily adjusted using programmable plug-in module. An optional RS232 port with high level programming language is available for quick set-up of different cable types. The low maintenance, air-cooled laser allows quick "out-of-box" installation. A gas shielding feature prevents burning and carbonization of wire insulation.

#### WIRE TYPES:

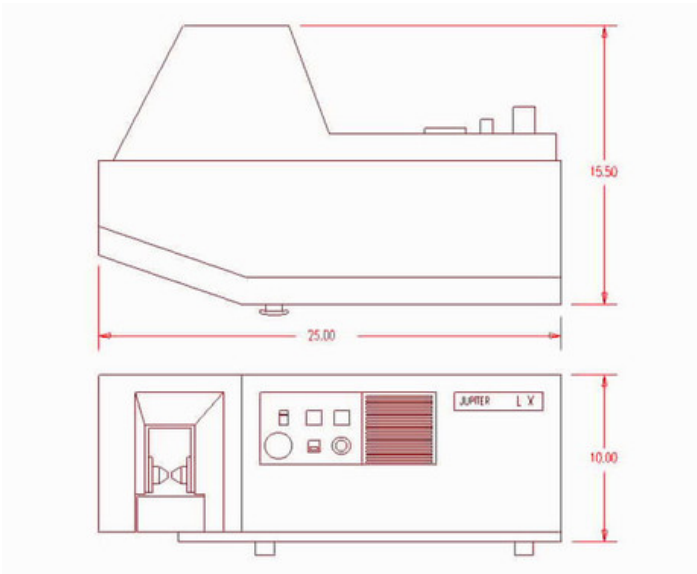
Most wire types.

#### INSULATION MATERIALS:

Most non metallic insulation.

Item		Specification
OPTICS	LASER BEAM DIAMETER CURVE WIDTH BEAM DELIVERY	10W air cooled CO <sub>2</sub> Approx. 0.118 inches 0.010 inches min. Twin beam 180° opposed
CABLE	POSITION HANDLER STRIP WIDTH SIZE INSULATION	Vertical (Horizontal) Custom cable fixture 4.0 inches AWG 1-40 / (0.06 thick.) depending on type of mat'l.
CONTROL	CONTROLLER COMMUNICATION INTERFACE	Programmable with EEPROM Universal port, Universal port with module, remote control, remote start and ready signal
SAFETY	INTERLOCK	Interlock cover switch
OPTIONS	Custom fixture, Custom programing, 25W CO <sub>2</sub> laser, Exhaust port, Charcoal filter, Water cooling, RS232 port, High level programming language with compiler, 24VDC battery operated, Mounting pedestal, Mounting cart, Horizontal cable handler with second axis	

DIMENSIONS:



**WEIGHT:** 50 BLS.  
**ELECTRICAL:** 120VAC, 10A OR 220VAC, 6A  
**AIR/GAS:** 60-100 PSI required