

The ILS-1000 builds a complete package around Fiber Lasers or other lasers into a 3U rack mounted system. In addition to eliminating integration cost and effort, it provides the required power and thermal management. Laser Marking applications are supported including complete marking systems.

From fully integrated components to complete systems, we customize to your need with a marking laser integration kit. Pick and choose for your application. We provide the fully integrated framework to build to suite. OEM, Novice, or Expert, we will save you time and money.

Marking Laser Control

Complete System

- Laser Power supply
- Scan Head Power supply
- Heat sinking and thermal management
- Status and Fault Indicators
- Interface to Industry Standard RTC-4 marking controller
- Rack Mount Enclosure
- Optional integrated controllers from ScanLab, Lanmark.
- Key Switch, E-Stop & Interlocks

Applications

- Laser Etching, Marking, Engraving, Texturing
- Serialization, LOGO's, Artwork, Graphics, Instructions
- Identification, Part numbers
- Speed Grading, Branding, Face Plates, Permanent Coding,
- 2D-Matrix, Surface Finishing, Activation, ID Matrix, BarCodes
- Scribing, Plating Isolation
- Adhesion Promotion, Part Marking
- Personalization, Customization
- Wood Engraving
- Medical engraving
- Ceramic metalization isolation

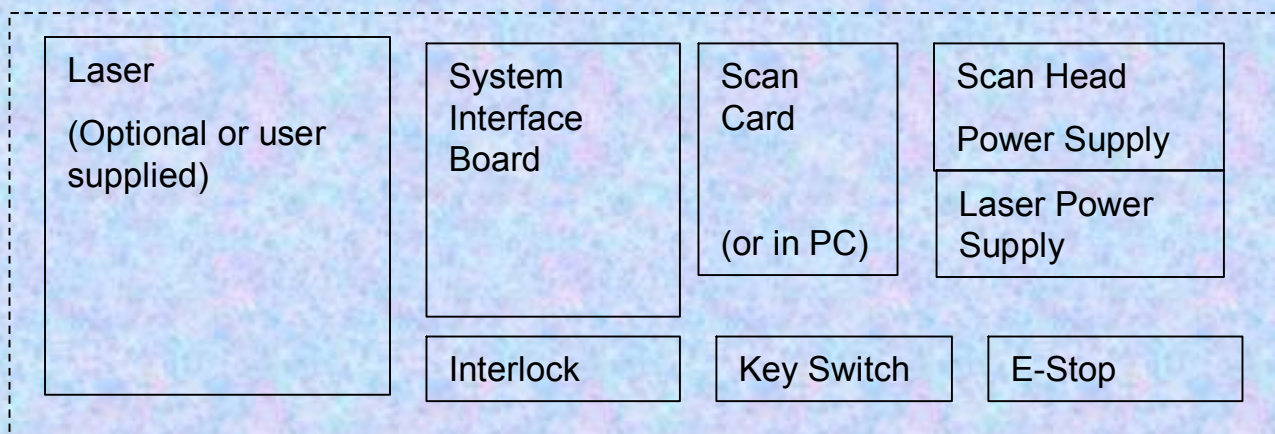
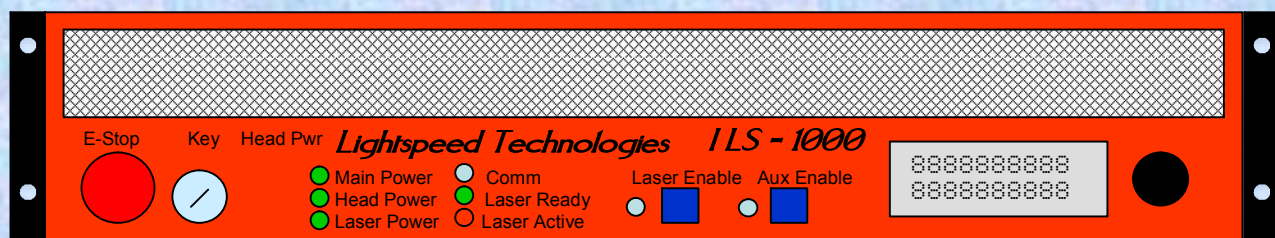


ILS-1000

INTEGRATED LASER SYSTEM



Front Panel



Options:

Laser, Isolator, Telescope and Telescope Mount
Shutter / Beam Dump

Marking System Component Options

Scan Card, Scan Head, Computer, Optic Table, Computer, Enclosure

Marking Configuration Options (see next page)

RTC4 PCI (Internal to PC) (Scanlab) (Rack mount or local PC)

RTC-USB (Inside ILS) (Scanlab) (Laptop or no card in PC)

LEC-1 Ethernet (Inside ILS) (LanMark Controls, Inc.) (Remote PC)

Laser Options for Marking and Other Applications

Single Shot, Modulated, Gated, Remote Control

Software Options

WinLase WinLase is a product of LanMark Controls, Inc.

ILS-1000



LIGHTSPEED
TECHNOLOGIES

INTEGRATED LASER SYSTEM

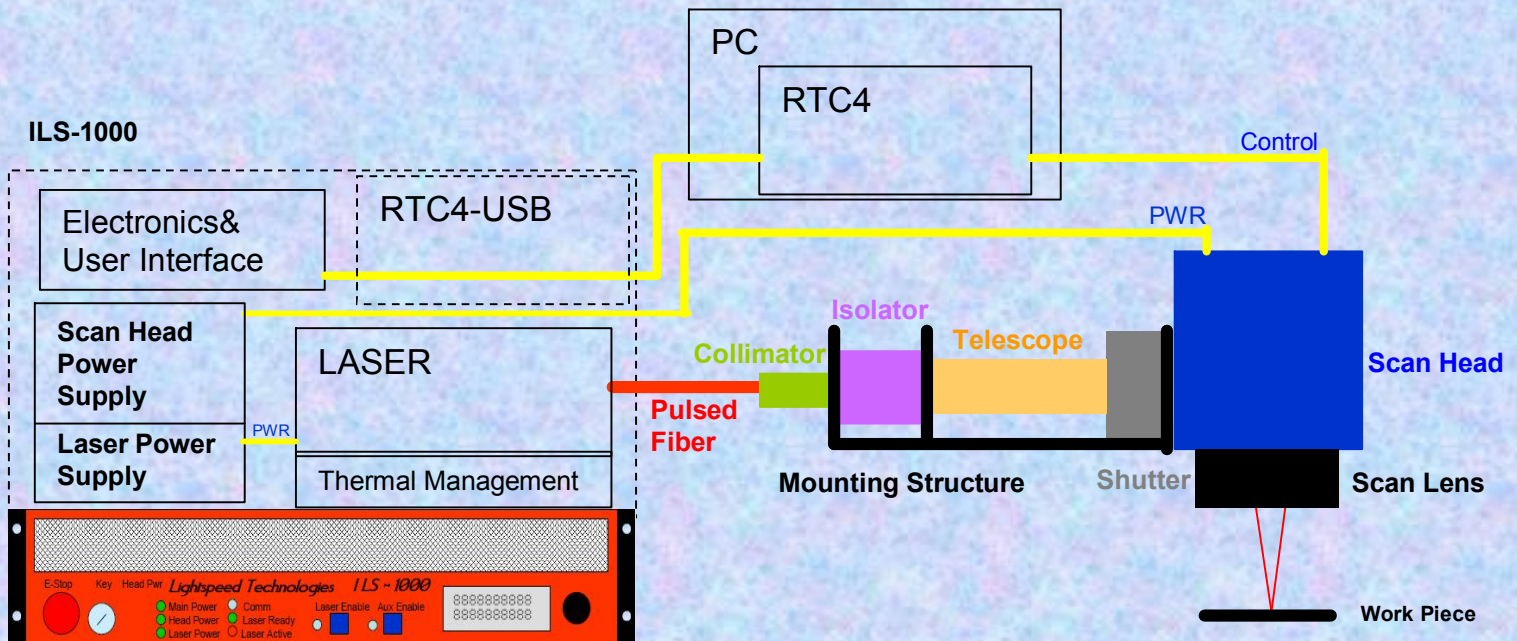
Configuration Options

ILS-1000 Integrated Laser System Enclosure Includes:

Laser and Scan Head Power Supply
Laser Thermal Management
E-Stop and Key Switch
Front Panel User Interface
Pointer Laser Control

and also

Scan Head Control options:
RTC4 Scan Board can be
Internal to PC (RTC4) or
Internal To ILS1000 (RTC4-USB)
LEC-1 Ethernet Option also available for Networked Systems



Indicators and User Interface:

E-Stop, Key Switch
Scan Head Standby (Power On)
Laser enable
Pointer or accessory enable
Fault Indicators
Interlock

Optics Accessories Include:

Isolator
Telescope
Shutter
Scan Head
Scan Head Lens
and
Mounting Structure for the above items



Systems

The ILS-1000 is the rack mounted enclosure at the heart of a laser marking system providing user interface, laser and scan head power, thermal management and safety features.

Components for a complete marking system are available including isolators, telescopes, shutters, scan heads, and mounting structure for these components. Software, optical tables, class 1 enclosures, and optics required for the best laser marking.

If you choose to drop ship components, we supply a full integration service. We'll assemble and test your system. The only build to suit solution for fiber laser processing.



CDRH warning logos similar to that shown appear on each laser and laser enclosure to indicate CDRH classification and to certify that the output of the laser will not exceed the power level printed on the Logo which is approximately 50% greater than the rated output power.

The information in this brochure is subject to change and intended for general information only. Contact Lightspeed Technologies Inc. for specifications and quotes.

Ordering Information

Part Numbers ILS-1000 is the 3U enclosure shown on page 2 that can integrate a laser module into a system prepared for laser marking by supplying laser and scan head power, marking interface boards, thermal management, user interface and control.

Contact Lightspeed Technologies for expanding the ILS-1000 quote into a complete marking system including scan head, optical table, enclosures.

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LEC-1 and WinLase are registered trademark of LanMark Pro

RTC-4 is a registered trademark of ScanLab GMBH