



**TRI-STAR
TECHNOLOGIES**

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Cold Laser™

Protected by US Patent 6,429,889. Other patents pending.

Applications

Cold lasers are utilized for marking pharmaceutical, medical, automotive, aerospace, and other products that require permanent, indelible, tamper-proof identification and assured traceability.

Marking is safe, sterile, and effectively instantaneous, permitting the target article to be marked while in motion. Cold Laser™ is able to create matching patterns on packaged products, by marking both the product and its packaging simultaneously. This feature assures that any tampering will be instantly recognizable.

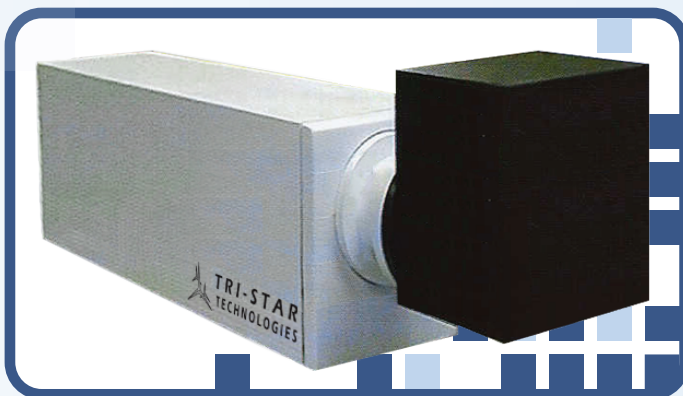
Technology

Cold Laser™ is a unique method for marking various substrates including thermally sensitive materials. An indelible mark is created when the photosensitive materials usually present in various substrates are exposed to laser radiation of the appropriate frequency and intensity.

User defined templates may be used to print text, pictures, logos or bar codes almost instantaneously without substrate damage or physical alteration.

Features

- Marks are permanent, indelible
- Surface marking
- Non-invasive
- Clean room compatible
- Works with any laser markable materials
- Works in open ambient environment
- Fully integrated
- Modular
- Easy to operate
- PC controlled
- Intuitive, user-friendly software
- Quick access and easy maintenance
- Air-cooled
- FDA accessed
- Safe
- Flexible and expandable



Specifications

Laser:	Cold Laser
Electrical Service:	100 VAC-240 VAC 50/60 Hz
Operating Temp:	15°C to 32°C
Cooling:	Air (no external air required)
Marking Field:	5 x 5 cm
Line Width:	.1 mm
Step Resolution:	.025mm
Repeatability:	+/- .025 mm
Computer Requirements:	Pentium Class, FD, HDD, CD-ROM, Color Monitor
Dimensions:	Table-top unit 50.8cm W x 76.2cm L x 127cm H (20" W x 30" L x 50" H)