

Available in 10, 30 and 50 watt configurations, SABRE[®] can mark substrates like wood, glass, plexiglass, quartz, ceramics, even fabrics and other organic materials.



FEATURES

- Unique, Single Rail Design for Easy Alignment and Increased Power
- Compact Marking Head with Two Piece Cover and Simple Mounting System
- Hand Held Pendant for Convenient Remote Operation
- Co-Axial Red Pointer Diode for Pin Point Marking Alignment
- TELESIS DESIGNED Fixed Beam Expansion and Shutter Assembly
- DETACHABLE 6' Laser End Umbilical Cable
- Air-cooled — No External DI Water Needed
- Keyswitch, E-Stop Manual Safety Shutter and Emission Light

All Marking Head Components and Assembly Warranted for One Year

SPECIFICATIONS

ComplianceCDRH, CE, UID
 Laser Type CO₂, Self-contained
 Wavelength 10.6 Micrometers
 Wattage 10W, 30W, 50W
 Control Proprietary Laser Controller
 Computer Pentium[®] III 128 Mb RAM [minimum]
 Multi-gigabyte HDD Video, Sound Card, CD-ROM and
 3.5" Floppy Disk Drive, SVGA Monitor, Mouse and Keyboard
 Operating System Windows[®] NT or Windows[®] 2000
 Operator Interface Graphical User Interface [proprietary]
 Marking Alignment Coaxial Red Diode
 Safety Interlocked Safety Shutter, Emission Light,
 Keyswitch, Emergency Stop Palm Button
 Electrical 110 Volts, Single Phase
 Cooling Air Cooled
 Environmental 10° C to 25° C, 90% Relative Humidity —
 Non-Condensing



Features DATA MATRIX™ 2-D Code Marking Capability — Meets all Department of Defense UID Requirements

DIMENSIONS

Controller 17" W x 7" H x 20" D
 Laser [30W] 5.83" W x 8.2" H x 38.5" L
 Laser [50W] 5.8" W x 8.2" H x 50" L
 Umbilical Length 6 Feet [detachable]



Sabre[®] 50 Watt CO₂ Laser

Small Laser Controller and Unique, Dual Function Control Pendant



LENS CONFIGURATIONS AVAILABLE

Focal Length	Marking Field	Work Clearance
100mm	70mm x 70mm (2.7" x 2.7")	81mm (3.18")
150mm	100mm x 100mm (4.0" x 4.0")	131mm (5.15")
200mm	140mm x 140mm (5.5" x 5.5")	184mm (7.24")
* 250mm	170mm x 170mm (6.6" x 6.6")	233mm (9.17")
* 300mm	205mm x 205mm (8.0" x 8.0")	283mm (11.14")
* 360mm	250mm x 250mm (9.8" x 9.8")	351mm (13.8")

* Application dependent