Options, accessories and applications



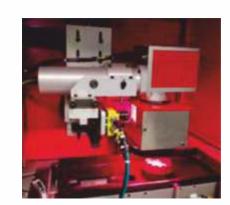
Integrated vision system (mark verification)



Fume extraction system



Motorized Z axis option



Drawer for part loading and reading camera

PURSHOTAM

Purshotam Company Private Limited

Kolkata Office 8, Lyons Range, 1st Floor Kolkata 700 001, India Telephone: +91 33 2243 4941 / 2231 5344 Fax:+91 33 2230 5299

Pune Office Montvert Voila. # 303 Ivory Estate, 13/1 Baner Road, Pune 411007, India Telefax: + 91 20 4678 2070

E-mail:sales@purshotam.com Website: www. purshotam.com

LASER MARKING SYSTEMS





Workstation



Integrated

i103 - L-G PC i103 - L-G FU Advanced



Laser RANGE

Workstation

Integrated 20W & 50W

Exclusive Distributors For India: Purshotam Company Private Limited

MARKING SAMPLES

Four marks simultaneously on

connecting rod by 4 galvano-heads

Bar-code and DataMatrix reader

APPLICATIONS









ACTIVITIES SIC Marking®











Fiber Unit

Workstations - Using SIC Laser PC

L-Box

- Manual door
- Manual Z-Axis (motorized in option, up/down button)
- 100*100mm marking field (bigger as option)
- Rotary axis as option



XL-Box

- Automatic door (pneumatic)
- Motorized Z-Axis by up/down button)
- 170*170mm marking field
- Rotary axis as option



Integrated

I103-LG-PC

Software SIC LASER PC

- Requires PC for working
- No communication (RS 232 or ethetnet)
- Local variables available (increment, datecode, data from excel file on the computer)
- Cycle start controlled by operator on PC or Start pulse
- Rotary axis available (ec9 type)
- Using fiber unit controller



TECHNICAL FEATURES

Marking field

Weight Power

Security

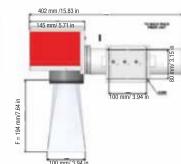
I103LG

Software SIC LASER ADVANCED

- PC used only to create marking files
- Communication RS232 or Ethernet (Telnet protocol)
- Cycle controlled by I/O (start pulse) or by protocol
- Using fiber unit controller

i103 L-G integration drawings Marking head

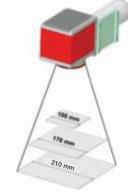






Pyramid of marking fields

Marking window



Characteristics

Operation mode: Pulsed (20 to 500 KHz)

i103 L-G 100 x 100 mm / 3.9 x 3.9 inches (up to 210 x 210 mm / 8.3 x 8.3 inches in option)

> 750 Watt Class 4 laser (EN60825-1 standard) to secure

Fiber Unit: 19 kg / 42 lbs - Head: 5kg / 11 lbs

Wavelength: 1 064 nm

Average power: 10 W, 20 W or 50 W

Peak power: 10 kW

Laser tuning: Edge viewing of marking

Cooling: By air only

Warranty: 24 months (except for optics). Warranty extension up to 5 years available.

ADVANTAGES OF FIBER UNIT

Reliability and performances

Doped Ytterbium fiber laser source, diode pumped 3 axis control

Workstation

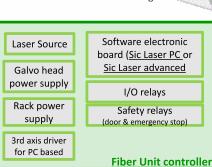
- Workstation L-Box and XL-Box are using Sic Laser PC software
- Based on I103LG-PC





Fiber unit controller

- Standard controller for both I103LG and I103LG-PC
- Includes safety relays (door and emergency stop)
- Key switch for safety
- 6U dimension for rack mounting



Communication

RS 232 / Ethernet interface: INIT function, file selection, variable assignment, Start/Stop function Input / Output cycle management Test COMMUNICATION software

Security

Integrated safety loop, for class 1 integration



FILE CREATION MODE / SOFT TECHNICAL FEATURES

CONTROL WITH SIC LASER ADVANCED SOFTWARE

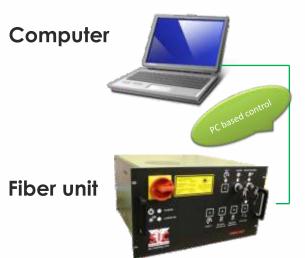
Functions Creation and editing of marking files (drawing, text, bar code, Datamatrix, ...) Laser tuning Several pen settings (speed, power, frequency, ...) Fonts TrueType, 1D bar code and 2D code (Datamatrix) Pictures (.bmp, .jpg), and vector files (.plt, .dxf, .ai) Import fonction Link with external files (.txt, .xls) Data Base Cylindrical parts Rotary axis (optional) In/Out Integrated



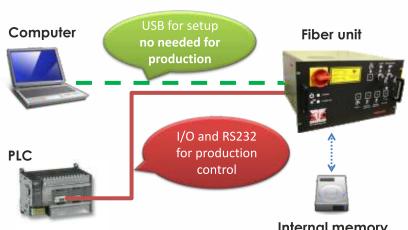
■ File creation on PC

Entity or marking field creation : characters, logos, shapes, 1D or 2D coding Font selection Hatch configuration

Integrated - i103LG-PC







Internal memory

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