Xymark® dot matrix laser coders from Linx use sophisticated laser technology to mark variable information on a wide range of materials typically encountered in manufacturing and packaging operations. Combining ease of operation and versatility, Xymark laser coders are designed to fit seamlessly into the production line and to deliver high-performance printing 24 hours a day, seven days a week with utmost reliability and minimal maintenance.

The Xymark 5H is an innovative ‘hot glass’ coding system which is capable of operating within the extreme conditions of glass manufacturing plants. The system’s special heat shield and cooling system permits operation at 50°C ambient, whilst the beam delivery system can withstand temperatures in excess of 70°C.

The Xymark 5H can code bottles and jars immediately after forming, indelibly marking date and time of manufacture on the glass surface at 600°C. The system can deliver a single line message, 2mm or 2.5mm high, at a speed of up to 50 m/minute and in a choice of three character formats (5 x 5, 7 x 5, 7 x 8).

With the increasing trend for wine producers, breweries and distilleries to demand ‘lot traceability’ of individual bottles, the Xymark 5H provides bottle and jar producers with an efficient and cost-effective way of meeting their customers’ needs.
Xymark 5H

Performance characteristics

- Lines of text: 1
- Maximum number of characters per second: 1200
- Maximum line speed (8µs minimum dwell time, 7 x 5 font): 50 lines/min
- Message height range (scan height): 2.0 mm to 2.5 (factory set)
- dot size: 0.08 mm (2.0 mm scan height)
- 0.1 mm (2.5 mm scan height)
- Character formats: 5 x 5, 7 x 5, 7 x 8
- Coding capability: moving products only

General features

- QWERTY, sealed membrane keypad for data entry
- 24 line x 53 character backlit LCD display
- Remote control panel, up to 5 m conduit (optional)
- English, optional French, Italian, Spanish, Dutch, Portuguese, Swedish
- Extended fonts (EU or Asian)
- User-defined fonts
- Comprehensive diagnostics including log function
- Memory storage: 10 locations

Programming and printing facilities

- Increment/decrement
- Batch
- Real time
- Calendar
- Date & time offset
- Multispace
- Password protection
- Last code used
- Shot count
- Graphics

Interfacing

- RS232/RS485
- Shaft encoder input (optional)
- Remote stop/start signal
- Remote emergency stop kit (optional)

Physical characteristics

- Mobile cabinet with castors
- Dimensions: 350 mm (W) x 510 mm (L) x 1140 mm (H)
- Weight (laser unit only): 125 kg (275 lbs)
- Environmental protection rating: IP55
- Cabinet and shielding material: stainless steel
- Scan orientation adjustment: factory set
- Scan height & focus adjustment: factory set
- Support stand adjustment: adjustable in X (height) and Z (to/from product)
- Coding head cleaning/cooling: compressed air @ 40 PSI (factory supplied)
- Cooling: optional external closed loop chiller
- Power supply type: 2 board FET (solid state RF)
- Electrical requirements: 110-120 and 200-240 V, single phase, +/- 10%; 50/60 Hz
- Average power consumption: 1.7 kW
- Dual detector lockout

Laser details

- Laser: RF excited CO2
- Peak power: 200 W
- Spot size: 0.8 x 0.8 mm
- Tube warranty: 2 years parts

Environmental details

- Ambient operating temperature: 5ºC to 40ºC, at cooling head; 5ºC to 70ºC, at laser head
- Storage temperature: -10ºC to 70ºC
- Humidity range (relative humidity, non-condensing): 10-90%

Regulatory approvals

- CE Mark
- UL Listed

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