



# Xymark 5H

## DOT MATRIX LASER CODER FOR HOT GLASS CODING

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.

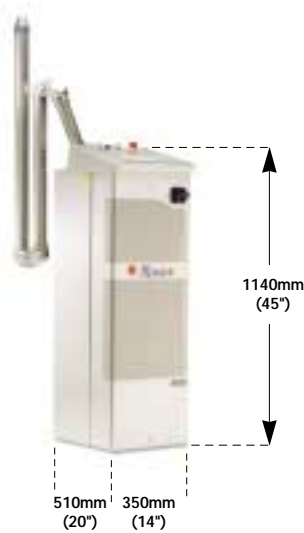
The Xymark 5H can code bottles and jars immediately after forming, indelibly marking date and time of manufacture on the glass surface at

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.



## Dimensions



The Xymark 5H coding system consists of a Xymark 5 with a heat shield, a fibre-optics detector kit, cooling connection kit, adjustable arm/detector support stand with heat shield, and opposite detector support stand with carbon target.

# Xymark 5H

## Performance characteristics

lines of text	1
maximum number of characters per second	520
maximum line speed (40µs minimum dwell time, 7 x 5 font)	50 m/min
message height range (scan height)	2.0 or 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
operating languages	English (optional French, German, 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 offsets	•
multispace	•
password protection	•
last code used	•
shot count	•
graphics	–
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) 14" (W) x 20" (L) x 45" (H)
weight (laser unit only)	125kg (275 lbs)
environmental protection rating	IP55
cabinet and shielding material	stainless steel
articulated arm finish	Nickel Armourcoat
scan orientation adjustment	–
scan height & focus adjustment	factory set
reach of arm	1.5 m (4' 10") in horizontal plane
support stand adjustment	adjustable in X (height) and Z (to/from product) directions
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 kVA
dual detector lockout	•

## Laser details

sealed RF excited CO <sub>2</sub>	•
peak power	230 W
gas consumption	–
tube warranty	2 years parts

## Environmental details

ambient operating temperature	at laser: 5 to 45°C, at coding head: 5 to 70°C
storage temperature	-10 to +70°C
humidity range (relative humidity, non-condensing)	10-90%

## Regulatory approvals

CE Mark	•
---------	---



MP41028



For more information contact Linx Printing Technologies plc, Burrell Road, St Ives, Cambridgeshire PE27 3LA, UK.  
Tel: +44 (0) 1480 302100 or Fax: +44 (0) 1480 302116. [www.linx.co.uk](http://www.linx.co.uk) or [www.linxwww.com](http://www.linxwww.com)

Linx and Xymark are registered trademarks of Linx Printing Technologies plc