Xymark

Xymark BB1 and Xymark BB2

DOT MATRIX LASER SYSTEMS FOR LABEL 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 BB system has been specifically created for high speed/high volume label coding applications. Designed for easy integration into the production line, the system has a compact coding head and is sealed to IP66, making it ideal for space-restricted and wet environments. In addition, there is a remote keyboard which allows the unit to be programmed some distance away.

The system is fully programmable, allowing batch codes, 'best before' dates, serial numbers and other variable information to be printed at high speed.

Available in two variants - the Xymark BB1 and the Xymark BB2 - the system can code 1 to 3 lines of text, with message heights ranging from 2.5 mm to 7.5 mm.

With its ability to code up to 2000 characters per second, the Xymark BB1 can mark up to 45,000 labels per hour with clear, good quality codes. The higher powered Xymark BB2 is capable of generating up to 3000 characters per second and can mark up to 75,000 labels per hour, making it the system of choice for high speed bottling lines.

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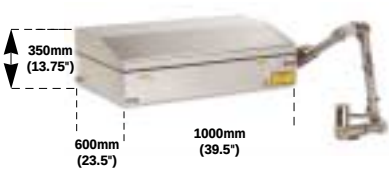
THINKING ALONG YOUR LINES

Xymark BB1 and Xymark BB2

Dimensions



Performance characteristics	Xymark BB1	Xymark BB2
lines of text	1 to 3	
maximum number of characters per second	2000	3000
maximum number of labels per hour (2-line code)	45000	75000
maximum line speed	150 m/min	250 m/min
message height range	variable between 2.5 and 7.5 mm	
dot size	0.1 mm to 0.3 mm (dependent on scan height)	
character formats	5 x 5, 7 x 5, 7 x 8, 16 x 10	
coding capability	moving or stationary	
General features		
remote control panel (IP66), up to 5 m conduit	•	
QWERTY, sealed membrane keypad for data entry	•	
24 line x 53 character backlit LCD display	•	
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	100 locations	
Programming and printing facilities		
increment/decrement	•	
batch	•	
real time	•	
calendar	•	
date & time offsets	•	
multispace	•	
password protection	•	
last code used	•	
shot count	•	
graphics	•	
Interfacing		
RS232/RS485	•	
shaft encoder input (HTL)	•	
remote stop/start signal	•	
Physical characteristics		
stainless steel base unit and remote control panel	•	
dimensions (base unit, excluding frame)	1000 mm (W) x 600 mm (L) x 350 mm (H) 39.5" (W) x 23.5" (L) x 13.75" (H) approx.	
dimensions (marking head)	98 mm (W) x 84 mm (L) x 162 mm (H) 3.75" (W) x 3.25" (L) x 6.25" (H) approx.	
weight	138 kg (304 lbs)	140 kg (308 lbs)
environmental protection rating	IP66 (NEMA 4X)	
articulated arm finish	Nickel Armourcoat	
scan orientation adjustment	360° adjustment with beam axis rotator	
scan height & focus adjustment	magnetic-optical coupler	
reach of arm	approx. 1.3 m (4' 3") in horizontal plane	
arm extension, 0.5 m (19.5")	Optional	
cooling	external water or chiller (via integral heat exchanger)	
power supply type	2 board FET (solid state RF)	3 board FET (solid state RF)
electrical requirements	110-120 and 200-240 V single phase, +/- 10%; 50/60 Hz	
average power consumption	2.0 kVA	2.8 kVA
dual detector lockout	•	
Laser details		
high-speed sealed RF excited CO_2	•	
peak power	170 W	230 W
gas consumption	–	
tube warranty	2 years parts	
galvo speed enhancement	•	
Environmental details		
ambient operating temperature	5 to 35ºC	
storage temperature	-10 to +70ºC	
humidity range (relative humidity, non-condensing)	10-90%	
Regulatory approvals		
CE Mark	•	

MP41025

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