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.
### Performance characteristics

<table>
<thead>
<tr>
<th>Xymark BB1</th>
<th>Xymark BB2</th>
</tr>
</thead>
<tbody>
<tr>
<td>lines of text</td>
<td>2,000</td>
</tr>
<tr>
<td>maximum number of characters per second</td>
<td>2,000</td>
</tr>
<tr>
<td>maximum number of labels per hour (12 hour code)</td>
<td>4,000</td>
</tr>
<tr>
<td>dot size (dependent on scan height)</td>
<td>0.1 mm to 0.3 mm</td>
</tr>
<tr>
<td>character formats</td>
<td>3 x 5, 5 x 7, 7 x 9, 16 x 10</td>
</tr>
<tr>
<td>coding capability</td>
<td>moving or stationary</td>
</tr>
</tbody>
</table>

### 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)
- adjustable focus (± 0.5" or ± 1.0"
- user-defined fonts
- comprehensive diagnostics including tag function
- memory storage: 100 locations

### Programming and printing facilities
- increment/decrement
- date
- time
- calendar
- date & time offset
- password protection
- last code used
- shot count
- graphics

### Interfacing
- RS232/RS485
- shaft encoder (input CTIL)
- 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) approx.
- weight: 138 kg (304 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
- 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)
- electrical requirements: 110-120 and 200-240 V single phase, +/− 10%; 50/60 Hz
- average power consumption: 2.0 kVA
- laser details: high-speed sealed RF excited CO2
- gas consumption: 170 W
- gas pressure: 2.20 W
- warranty: 2 years parts
- Environmental details: ambient operating temperature: 5 to 35°C, storage temperature: -10 to 70°C, humidity range (relative humidity, non-condensing): 20-90%

### Regulatory approvals
- CE Mark

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