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 LC is a special variant of the standard Xymark laser coding system configured to provide one or more output beams for scoring or etching dots, in straight lines, into the surface of moving packaging material. It is therefore ideal for generating ‘easy tear’ perforations on sachets and wrappers typically made from thin film laminates of polypropylene/paper and/or aluminium foil.

The system is normally integrated into a reeling or re-reeling station on the laminated film manufacturing production line. The positions of the beam output can be manually adjusted (within certain mechanical limits) to match a particular film artwork and sachet size.

The system operates at line speeds ranging from 1 m/min to 200 m/min, and can apply etch dots at between 1 and 10 dots per mm. It can also be set for ‘continuous’ etch or for particular etch lengths and intervals.
Xymark LC

Performance characteristics
- Beam outputs: 1, 2, 3 or 4, depending on application
- Dots per millimetre: 1 to 10
- Adjustable dwell time: 35 to 450 microseconds
- Scored/etched dot size: dependent on material and laser dwell time
- Scoring/etching capability: moving material
- Line speed: 1 - 200 m/min

General features
- Remote control panel, up to 5 m conduit (optional)
- Sealed QWERTY membrane keypad for data entry
- Backlit LCD display
- Operating languages: English (optional French, German, Italian)
- Comprehensive system diagnostics
- Memory storage: 10 locations

Programming facilities
- Password protection
- New cut and last cut used
- Dot count
- Product info
- Cutting parameters

Interfacing
- RS232/RS485
- Shaft encoder input
- Remote stop/start signal

Physical characteristics
- Stainless steel mobile cabinet with castors
- Dimensions (laser unit): 425 mm (W) x 610 mm (L) x 960 mm (H)
- Dimensions (4-way beam splitter unit): typically 1000 mm (W) x 230 mm (L) x 150 mm (H)
- Weight (laser unit): 332 kg (730 lbs)
- Environmental protection rating: IP55
- Articulated arm material: anodised aluminium
- Beam output positions: adjustable within limits, via rotary handles
- Reach of arm: 1.0 m (3' 4") in horizontal plane
- Cooling: integral (air to water)
- Fittings for external cooling: (optional)
- Extern chilled unit: (optional)
- 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: (optional)

Laser details
- Sealed RF excited CO2
- Peak power: 170 W or 230 W
- Gas consumption: 9
- Tube 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): 10-90%

Regulatory approvals
- CE Mark

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