



Xymark LC

ETCHING LASER SYSTEM

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.

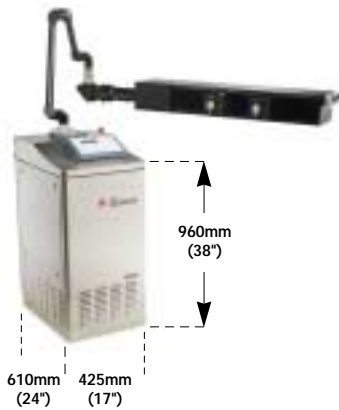
The Xymark LC is a special variant of the standard Xymark laser coding system configured to provide one or more output beams for scoring or etching dots, in straight lines, into the surface of moving packaging material. It is therefore ideal for generating 'easy tear' perforations on sachets and wrappers 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 1m/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.



Dimensions



Xymark LC

Performance characteristics

beam outputs	1, 2, 3 or 4, depending on application
dots per millimetre	1 to 10
adjustable dwell time	15 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) 17" (W) x 24" (L) x 38" (H) approx.
dimensions (4-way beam splitter unit)	typically 1000 mm (W) x 230 mm (L) x 150 mm (H) 39.5" (W) x 9" (L) x 6" (H) approx.
weight (excluding beam splitter unit)	131 kg (288 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 closed loop (air to water)
fittings for external cooling	•
external chiller 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	•

Laser details

sealed RF excited CO ₂	•
peak power	170 W or 230 W
gas consumption	-
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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