Xymark VectorWriters from Linx combine the latest advances in laser and optical component technology with the Xymark heritage of supreme reliability and robustness. The result is a steered beam laser system capable of producing consistently high quality printing in the most demanding production environments.

The Xymark VW50 uses a 110W laser and dual galvanometer beam scanning to deliver high performance printing of variable information on a wide range of materials, both moving and static. Finely controllable laser power allows delicate materials to be coded at slow speeds, while difficult-to-mark materials can be marked at speeds not previously possible. The system can generate 500 characters per second and print at speeds up to 250 m/minute depending on substrate.

The Xymark VW50 is easily programmed via a colour touch-screen keyboard and display. With its 90 x 50 mm print area and choice of 20 scalable fonts, the system can produce up to 25 lines of alphanumeric text and intricate graphics, making it possible to print both fixed and variable information on packaging materials on-line.

Xymark VW50
STEERED BEAM LASER SYSTEM

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## Xymark VW50

### Performance characteristics
- **Maximum number of characters per second**: 500
- **Maximum line speed (substrate dependent)**: 250 m/min
- **Spot size**: 0.2 mm
- **Message/character height**: up to 45 mm
- **Mark field**: 90 mm x 50 mm
- **Typical number of lines of text**: up to 25
- **Coding capability**: Stationary or on the fly

### General features
- Touch screen with stylus input panels for data entry
- 10.4” (266 mm) backlit colour LCD display
- 16 European (English + French, German, Italian, Spanish, Dutch, Portuguese, Swedish, Japanese, Chinese) languages available
- Comprehensive systems diagnostics including tag functionality
- Internal memory storage: 1000 codes
- Password protection: multi-level, user-configurable
- Dual galvanometer character generation

### Programming and printing facilities
- Real time with offset
- Datamark with offset
- Julian date with offset
- Shift code with line increment
- Date stamp with offset
- Shift code (0-9)
- 5 inputs
- 5 inputs
- Remote update
- Shaft encoder input

### Physical characteristics
- Stainless steel mobile cabinet with castors
- Dimensions: 350 mm (W) x 510 mm (L) x 1200 mm (H)
- Weight: 134 kg (299 lbs)
- Environmental protection rating: IP65
- Articulated arm material: Niflor 3000 coated aluminium
- Articulated arm reach: 1200 mm (Horizontal plane)
- Articulated arm support: Pedestal mounted or Guard mounted
- Internal cooling: Integral closed loop (water to air)
- Power supply: Type 1 board, FET (solid state RF)
- Electrical requirements: 110-120 and 200-240 V single phase, +/- 10%; 50/60 Hz
- Maximum power consumption: 1.4 kVA
- Dual detector lockout

### Laser details
- Sealed RF excited CO₂
- Peak power: 110 watts
- Gas consumption: Nil
- 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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