LINX UVG5
UV LASER CODER

Efficiency redefined with Linx UV laser coders. High performance, easy integration and user-friendly innovation.

Linx UVG5 lasers eliminate the need for consumables, reducing cost of ownership and delivering uninterrupted operation.

Offering permanent marking onto a range of materials, including delicate mono-recyclable films and difficult to mark rigid plastics, for fast, consistent code marking.

Marking a range of human-readable and machine-readable codes including 2D Data Matrix, QR including GS1, Linx UV laser technology sets the benchmark for high-performance laser coding in demanding applications.

Performance

- **Higher production throughput** with marking up to 2000 characters/second, for increased product marking in a shorter time period and line utilisation cost savings
- **Minimal thermal stress** on substrates compared to CO_2 and Fibre marking; Linx UV lasers reduce the risk of damage to sensitive materials such as plastics and films
- **Smoother code edges** on substrates with higher contrast means highly visible and readable codes, to support traceability requirements

Integration and set up

- **Mark multi-sized products** on the same line with built-in integrated Focus Shift; no hassle of moving the laser or making mechanical adjustments on the production line
- **Integrates into your existing line** and can be fitted in difficult or space restricted areas due to the flexibility of the laser extension and turning units

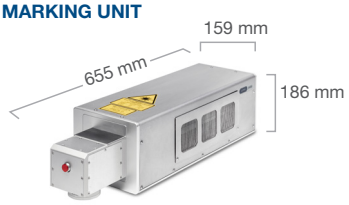
Ease of use

- **Reduced mistakes** through the user-friendly LinxVision UI, allowing users to interact with the laser easily
- **Eliminate costly product waste** and ensure products are marked in the right place with the built-in Pilot Laser
- **Operator accuracy** and simplified marking distance setup with the built-in Focus Finder

LINX

Linx UVG5

UVG5 UV LASER MARKING UNIT



SUPPLY UNIT

LINXVISION TOUCH SCREEN

Technical Specifications

LASER DETAILS

- Max. laser output: 4W
- Laser wavelength: 355nm

PERFORMANCE

- Line speed*: up to 600 m/min
- Marking speed*: up to 1200 m/min
- Characters per second*: up to 2000 characters/sec
- No. lines of text: only limited by character size and marking field size
- Character height: up to marking field size
- Print rotation: 0-360°

LASER HEAD & LENS OPTIONS

- Laser head options: SHU-SF
- Lens (mm): 203, 290, 460
- Spot size: from 0.0213 mm to 0.069 mm
- Marking field size: up to 259 mm x 393 mm
- Marking distance: from 236 mm to 650 mm
- Focus finder, pilot laser and focus shift (standard)

PHYSICAL CHARACTERISTICS

- Material: stainless steel covers, anodised aluminium chassis
- Weight: Laser marking unit 20kg, Supply Unit 12kg
- Conduit length: 3 m (standard), 5 m (optional)
- Head mounting options: down (90°), or straight shooter (0°), variable length Beam Extension Units (BEU), 90° Beam Turning Unit (BTU)
- Marking head rotation: 0-360° with BEU and BTU
- Protection class: IP54 or IP65 (optional)
- Cooling: IP54 Air cooled, IP65 cooling Unit
- Supply voltage/frequency: auto selection range 100 to 240VAC, 1-phase
- Maximum power consumption: 360 VA

LINXVISION® SOFTWARE

- Easy access operator toolbar: date & time offset, variable text, rotate / flip / mirror / curve / scale message, adjust laser intensity
- Multiple operating languages: Arabic, Brazilian Portuguese, Bulgarian, Chinese Simplified, Chinese Traditional, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkish, Ukrainian, Vietnamese
- Password protection: multiple protection levels and access rights (User defined)

CODING AND PROGRAMMING FACILITIES

- Code options: date, time, static text, variable text, serial numbers, shift codes, increment/decrement (batch count), 1D/2D barcodes, graphics and logos, Julian date, Custom date and time formats, 2D codes including GS1 and DotCode
- Character type: vector fonts
- Standard system vector fonts: OTF, TTF, PFA, PFB and SVG fonts
- Optional customized fonts: Arabic, Bengali, Chinese, Cyrillic, Japanese, Thai, Vietnamese
- Bar codes: BC128, BC25, BC25I, BC39, BC39E, BC93, EAN 128, EAN 8, EAN 13, GSI-128, PZN, IMB, POSTNET, RSS14TR, RSS14ST, RSS14STO, RSSEXP, RSSLIM, RSSLIMGP, SCC14, UPC_A, UPC_E
- Data Matrix 2D codes: ECC000, ECC050, ECC080, ECC100, ECC140, ECC200, ECC PLAIN
- 2D codes: Aztec, DotCode, QR, GS1 QR, microQR, PDF417

ENVIRONMENTAL DETAILS

- Ambient operating temperature: 5 to 40°C (70% duty cycle at maximum temperature)
- Automatic overheat detection: yes
- Storage temperature: -10 to 50°C
- Humidity range: 10 - 90% (relative, non-condensing)

INTERFACING

- Interface ports: 1 detector, 1 encoder, 1 beacon, 1 fume extraction, 2 safety incl single/dual interlock, 1 Ethernet RJ45, 1 LinxVision Touch Screen, Optional Wi-Fi Access Box AB210 (Wi-Fi Connectivity)
- Input/Output options: Job select, Start / Stop, Trigger monitor, Trigger enable, Good / Bad marking signal, Marking, Laser ready, Ready to mark, Shutter closed

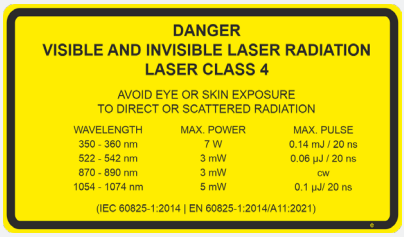
SAFETY FEATURES

- Interlocks (standard): European or American
- Interlocks (optional): internal safety module to meet EU Directive performance level D

REGULATORY APPROVALS

• CE • NRTL/FCC • RoHS

* Line and marking speeds are application dependent



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