The new Xymark 300SL is a compact fully featured mid-powered laser coder with full alphanumeric, graphics and barcode printing capability – ideal for a wide range of coding and marking tasks on primary packaging.

Flexible product coding
Capable of printing both on stationary and moving products, it has a large scan area that can print text and graphics up to a height of 60 mm/2.36 in.

Versatility on your production line
The total package weighs in at just 22 kg/48.5 lb making it easy to install and move from line to line. Dual-axis galvanometer mirrors ensure that it can be mounted and can print in any orientation.

Easy set-up, consistent print quality
The specially developed software incorporates a convenient product pitch and print calculator for easy set-up on the production line. Instantaneous line speed monitoring ensures high quality on-the-fly coding at varying line speeds.

Easy to use and integrate
The compact laser unit comes with an easy to use purpose-built detachable user interface for routine editing and set-up functions. An optional PC interface is available for more sophisticated functions. Communications capability via IrDA, RS232 and Ethernet ensures that the Xymark 300SL can be easily integrated with PCs and other production line equipment.

www.xymark300sl.com
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Xymark 300SL

Dimensions (mm/in)

Front view

Rear view

Simple User Interface (SUI)

Performance

<table>
<thead>
<tr>
<th></th>
<th>300SL</th>
<th>300SL (small spot size)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum number of actual characters per second</td>
<td>500</td>
<td>500</td>
</tr>
<tr>
<td>Maximum line speed (substrate dependent)</td>
<td>200m/min (666.6 ft/min)</td>
<td>167m/min (548 ft/min)</td>
</tr>
<tr>
<td>Spot size</td>
<td>0.3mm (0.012 in)</td>
<td>0.15mm (0.006 in)</td>
</tr>
<tr>
<td>Mark field</td>
<td>60 x 60mm (2.36 x 2.36 in)</td>
<td>50 x 50mm (1.97 x 1.97 in)</td>
</tr>
<tr>
<td>Marking distance*</td>
<td>74mm (2.91 in)</td>
<td>62mm (2.44 in)</td>
</tr>
<tr>
<td>Maximum number of lines of text character height</td>
<td>typically 25</td>
<td>0.8 to 50mm (0.031 to 1.97 in)</td>
</tr>
<tr>
<td>Casing capability</td>
<td>stationary or moving</td>
<td>stationary or moving</td>
</tr>
<tr>
<td>Print orientation</td>
<td>0-360°</td>
<td>0-360°</td>
</tr>
</tbody>
</table>

*measured from stainless steel cover

General features

Set-up interface via detachable interface unit (SUI) or PC-based interface

Simple user interface (SUI)

1/4 VGA, 320 x 240 pixels; 48 alphanumeric, 3 "soft" function, 6 navigational keys

PC user interface application

Windows XP, 2000, NT4

Multiple operating languages

Comprehensive systems diagnostics including log function

Memory storage (6.5 MB)

typically 500 codes

Password protection

multi-level, user configurable

Dual galvo character generation

Automatic safety shutter

Printing and programming facilities

Character types

vector fonts

Available fonts

1 fixed-pitch font via interface unit,
6 standard via PC, additional fonts available
yes (h:m and h:m:s)

Real time with offset

Date stamp with offset

Julian date

Custom date and time formats

Shift code with time increment

Shot count

Increment/discrement (batch count)

Last code used

Graphics edit and download capability

via PC

Macros

EAN 8, EAN 13, UPC 7, UPC 12, ISBN

Physical characteristics

Standard mechanical configuration

laser unit, interface unit, 3m (9.8 ft) cable interconnect

Material

stainless steel covers, aluminium chassis

Weight – laser unit/interface unit

21 kg/60.7 kg (46.3 lb/133.3 lb)

Scan head configuration

right angle to laser main axis ("side shooting")

Cooling

forced air - integral

Electrical requirements

100-240 volt single phase +/-10%, 50/60 Hz

Automatic voltage/frequency selection

Maximum power consumption

0.8 kVA

Dual detector lockout

Laser details

Laser type

sealed CO2 RF excited

Laser – average power

25 W minimum

Environmental details

Ambient operating temperature

5 to 40°C (41 to 104°F)

Automatic overheat detection

-10°C to +70°C (14°F to 158°F)

Humidity range

10-90% r.h. (non condensing)

Interfacing

Interface ports

2 triggerercode; RS232, user I/O, interface unit

Computer interface

RS232, ISA, Ethernet ready

Emergency stop

full control of code and system parameters – hot pluggable

Remote emergency stop

Remote control

Remote toggle

Remote update

Remote update

Regulatory approvals

CE mark

COIR

acquisition number: 0322336-01

INVISIBLE LASER RADIATION

AVOID EYE OR SKIN EXPOSURE TO DIRECT OR
SCATTERED RADIATION

CLASS 4 LASER PRODUCT TO EN60825:1994

CO2 LASER WITH SCANNED OUTPUT CONTINUOUS

POWER 30W MAX. WAVELENGTH 10.6 µm

Xymark 300SL

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