

LASER MARKER

Inspire NSP7010™

NSP7010 Inline PCB Laser Marker



Leader In Laser Solutions

Features:

Wavelength: 10.6 um

High Speed Marking

Low Maintenance

Auto Width Adjustment

Inline Integration

Vision Inspection

Compact Size & Small Footprint

Excellent Marking Quality & Reliability

Laser Applications for:

- | | |
|---|----------|
| ✓ | Marking |
| ✓ | Cutting |
| ✓ | Trimming |



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Inspire NSP 7010

NSP7010 Inline PCB Laser Marker

Technical Specifications

CO2 Laser	
Wavelength (um)	10.6
Output Power (W)	10 *
Pulse Repetition (kHz)	5 to 20
Pulse to Pulse Stability (%)	< 5
Input Power (kw)	1
* Other output power available up to 100W	
HyScan 200: Scanhead System	
Laser Beam Delivery:	Galvanometer Scanhead System
F-Theta Lens Marking Area (mm)	70 x 70 *
* Optional at 35 x 35, 50 x 50, 110 x 110, 140 x 140	
Utilities and Environment	
Power Supply:	230 VAC, Single Phase, 13 Amp
Operating Conditions	
Environment:	Area Under Ambient temperature without condensation
Temperature:	22 to 28 degree celsius (Optimum) 10 to 30 degree celsius (Normal)
Humidity:	Up to 70% RH maximum (Optimum & Normal)
Storage Conditions	
Environment:	Area without Condensation
Temperature:	5 to 45 degree celsius
Humidity:	Up to 75% RH maximum
Dimension	
810 mm (Length) x 1600 mm (Width) x 1460 mm (Height)	

XY Positioning System	Fume Extractor
<ul style="list-style-type: none"> Linear slide stages with limit switches and covers Stepper motors + power supplies PC to steppers interface card 	<ul style="list-style-type: none"> Centrifugal Fan Blower Cylindrical paper cartridge filter – Consumable
PCB Transport Conveyor	Vision System
<ul style="list-style-type: none"> Belt conveyor driven by stepper motor. Input and output sensors. PCB clamber with sensor. PCB Size: 3" x 3" (min.) & 20" x 20" (max.) Manual or auto width adjustment. 	<ul style="list-style-type: none"> PC based with camera and Vision Card Light Illumination. Vision PC Controller



PC Controller

Type of Controller: Windows based PC Controller
 Marking Software: Hypermark CAD Based, GUI marking software for creation and editing of marking layout, Text, Barcode, Data Matrix polygon creation within few mouse clicks

Optional features includes:

- Windows True Font
- Font Editor
- PLT, AutoCAD format import
- RS – 232 Serial Comm.
- TCP/ IP comm. Via Win Socket
- BMP / Tiff marking

Options:

- Data Matrix and Linear Barcode Verifier
- Dust Collector / Fume Extractor
- Red Targeting Laser
- Auto Power Calibration System
- Marking Software Customization

Lens for Field Size (mm)	Working Distance (mm)
35 x 35	141
50 x 50	65
70 x 70	127*/146
110 x 110	165
140 x 140	215/277*

* Type D

Note: The table above indicates one selection only that must be fixed at time of purchase.