

# Infinity HT 5000 Series

HT5000 Ytterbium Fiber Laser Marker



## Leader In Laser Solutions

- Features:
- Wavelength: 1060 – 1070 nm
- Total Air-Cooled System
- High Speed Marking
- Ultra Low Power Consumption at 180W
- Pump Reliability > 100,000 hours MTBF
- Maintenance Free
- Excellent Laser Mode & Small Spot Size

Laser Applications for:	
<input checked="" type="checkbox"/>	Marking
<input checked="" type="checkbox"/>	Cutting
<input checked="" type="checkbox"/>	Trimming



1022 Tai Seng Avenue, #06-3514, Tai Seng Industrial Estate, Singapore 534415

HYPERTRONICS PTE LTD

T: (65) 62800055 F: (65) 62849910

E: mail@hyllax.com W: www.hyllax.com

Overseas Subsidiaries: India T: (91) 22 2885 0246, Malaysia Penang T: (6) 04 646 6118, Kuala Lumpur T: (6) 03 7805 7003, Thailand T: (66) 2347 8643,

Taiwan T: (886) 2 2234 1902, China Suzhou T: (86) 512 6661 9226, Shenzhen T: (86) 755 8204 8825

# Infinity HT 5000 Series

HT5000 Ytterbium Fiber Laser Marker

## Technical Specifications

Ytterbium Fiber Laser	
Wavelength (nm)	1060 to 1070
Output Power (W)	20 *
Output Power Tenability (%)	10 to 100
Q-Switch Pulse Repetition (KHz)	20 to 100
Output Fiber Delivery Length (m)	1 to 3
Emission Bandwidth (nm)	< 5
Typical Beam Quality (m <sup>2</sup> )	1.4
Pulse Width (nm)	100
Long Term Power Stability (%)	< 5
Operating Voltage (V)	24 VDC
Typical Power Consumption (W)	180
* Other available options: 10W, 100W	
HYScan 200: Scanhead System	
Laser Beam Delivery:	Galvanometer Scanhead System
F-Theta Lens Marking Area (mm)	110 x 110 *
* Other available options: 60 x 60, 160 x 160, 250 x 250	
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	
370 mm (Length) x 140 mm (Width) x 165.5 mm (Height)	



### PC Controller

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

### Optional Features Includes:

- Windows True Type Fonts
- Font Editor
- P.T. AutoCAD format Import
- RS - 232 Serial Comm
- TCP / IP comm. Via Win Socket
- BMP / TIF Marking

### Options:

- Integrated Vision Inspection System
- Automatic & Semi-Auto Handlers
- 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)
60 x 60	100
110 x 110	180
160 x 160	300/311*
250 x 250	483



Hyllax Pte Ltd

### Warranty

Hyllax warrants each laser system to be free of material and manufacturing defects for a period of 1 year after shipment based upon normal equipment use as specified by Hyllax and its personnel.

### Legal Notices

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