

Infinity HT 5000™ Series

HT5000DH Dual Head Fiber Laser Marker



L e a d e r I n L a s e r S o l u t i o n s

Features:

Wavelength: 1060 - 1070 nm

Total Air-Cooled System

High Speed Marking

Ultra Low Power Consumption

Pump Reliability > 100,000 hours MTBF

Maintenance Free

Excellent Laser Mode & Small Spot Size

Laser Applications for:

✓ Marking

✓ Cutting

✓ Trimming

HYLAX
HYPERTRONICS

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HT5000DH Dual Head Fiber Laser Marker



Technical Specifications

Fiber Laser	
Wavelength (nm)	1070
Mode of Operation	CW Pulsed
Output Power Tenability (%)	10 to 100
Output Power (W)	20*
Long Term (5hrs) Power Stability (%)	2
Output Fiber Delivery Length (m)	1 to 5
Typical Beam Quality (m^2)	1.05
HyScan 200: Scanhead System	
Laser Beam Delivery	Galvanometer Scanhead System
Single head marking area (mn)	180 x 180
Dual head total marking area (mn)	320 x 180
Others	
Options	i) Single laser source: 20W energy share ii) Dual laser source: 40W total output
Marking Speed (Exclude Vision Time)	i) Single laser source: 700 chr / sec ii) Dual laser source: 1400 chr / sec
Typical Power Consumption (W)	i) Single laser source: 600W ii) Dual laser source: 1kW
Operating Voltage (V)	110 - 240 VAC 50/60 Hz
ScanVision Option	
Camera	0.4 M Pixel CCD (Optional up to 2M Pixel)
Field of View (mm)	3 to 10
Resolution	Up to 5 um / pixel (Standard 0.4 M pixel CCD)
Inspection Accuracy*	+ / - 10um - Norminal (Higher accuracy possible)
Inspection Time*	110 ms per frame - Norminal (Including Galvo move time)



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:

- 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

* Type S

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

Hypertronics Pte Ltd



Warranty

Hypertronics 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 Hypertronics and its personnel.

Legal Notices

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