Laser Coding from Hitachi

A robust, versatile, high-performance laser for industrial coding requirements

The new LM Series from Hitachi is a Carbon Dioxide CO_2 based Vector laser. Our wide range of wavelengths as well as the flexible power and focal lens configuration provides a performance ideally suited for coding on various packaging substrates including paper, cardboard, glass or plastics. An innovative cascading cover design supported by an efficient cooling air stream ensures a high level of reliability. The result is a very low electrical energy consumption and precise, clear coding even at small font sizes. Its small outer dimensions, as well as the powerful on-board control system, enable an easy hardware and software integration of the LM series into factory networks

Features

- Compact single body space saving design for ease of mechanical integration
- An electrical power consumption of 300 VA reduces the overall operating costs to a minimum
- Dual casing structure provides for additional protection for the laser tube and optics which ensures durability against harsh environments
- Most efficient air cooling by a cascading cover design extends laser tube lifetime
- User-friendly interface: PC based or with an optional colour 10.4˝ Touchscreen
- Highest print quality at a variety of production speeds using vector fonts with a user friendly font editing tool
- Wavelengths of 9.3 µm, 10.2 µm and 10.6 µm combined with various lens options allows for coding onto a wide range of substrates

Coding Solutions by Hitachi

Specifications

Hitachi Series	LM-C310S	LM-C330S	LM-C310P	LM-C330P
Laser Technology	CO2, Vector			
Laser Power	10 W	30 W	10 W	30 W
Laser wave length	9.3 µm (e.g. PET), 10.2 µm (e.g. OPP, PP, PE), 10.6 µm (e.g. Paper, Cardboard)			
Coding Area (mm) / Spot size (µm)	60 × 60 / 385 (Standard) 75 × 75 / 506 (Option) 100 × 100 / 810 (Option) 100 × 100 / 972 (Option) 150 × 150 / 1296 (Option) 200 × 200 / 1660 (Option) 250 × 250 / 2213 (Option)		60 × 60 / 192 (Standard) 75 × 75 / 253 (Option) 100 × 100 / 405 (Option) 100 × 100 / 486 (Option) 150 × 150 / 648 (Option) 200 × 200 / 830 (Option) 250 × 250 / 984 (Option)	
Red Aim Beam Pointer	Standard (Red semiconductor, Wave length 655 nm, Class 2 Laser)			
User Interface	Coloured Touch Screen / PC			
Shutter	Automatic Electromechanical Shutter			
Cabinet Protection	IP 54			
Communication Interface	Ethernet, USB for Text and Backup Management			
Weight	17 kg		25 kg	
Dimension	196 × 148 × 698 (mm)		216 × 179 × 709 (mm)	
Laser Status Signals	Flexible I / O Configuration			
Laser Status Indicator	Ready (Green) / Laser (Blue) / Alarm (Red)			
Power supply	AC100 ~ 120 V ± 10 %, AC200 ~ 240 V ± 10 % (50 / 60 Hz)			
Power Consumption	300 VA		600 VA	
Temperature range	5 ~ 40 °C			
Humidity range	35 ~ 95 %			

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More information about
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