STORM YVO4 LASER MARKER

STORM YV04 LASER MARKER

DAY & NIGHT DESIGN APPLICATION

Laser marking principle of operation

STORM YVO4 utilizes the most advanced laser pump technology in the world to pump semiconductor pump laser (808nm) directly through the end of laser crystal, and then output laser by optics lens. It improves the light-to-light exchanging efficiency of laser, which is over 45%. At the same time the pump power is also reduced to fall the consumption of chiller largely and the whole machine. The beam quality and power of end pump is better than the lateral pump.

Advantages and scope

- The output laser beam is sharp, the marking line is slight, which is more suitable for the marking of accurate picture.
- The quality of beam is very good, the output laser is stable, and the effect of marking is easy to adjust.
- The laser frequency is high and the marking speed is fast which is more suitable for marking of non-metal materials.
- The function of whole machine is stable, the size is small, and the consumption is low.
- ***The industries applied in: plastic key-press, communication equipment, IC, electric materials, building materials, package of food and medicine, PVC and so on.***

EXCLUSIVE MASTER (M) SDN BHD

Complete Automation *Solutions*

STORM YVO4 End Pumped Laser Marker
Technical Data

	End-pump laser marker
Wavelength	1064nm
Max. laser average power	12W
Max. adjusting Q laser power	12W
Beam quality M^2	<1.5
Adjusting Q frequency	<100KHZ
Min. laser impulse width of adjusting Q	7nS
Max. laser power of adjusting Q top value	60KW
Marking scope	100mmx100mm (Opt. 150mmx150mm)
Linear speed	<7000mm/S
Min. line width	0.01mm
Min. character size	0.1mm
Repeat accuracy	(+/-) 0.001mm
Input power	1.5KW
Electrical source	220V (+/-) 22V/50HZ, current <7A
Dimensions	
Cooling system	710mmx860mmx1300mm
Optical system	522mmx215mmx500mm