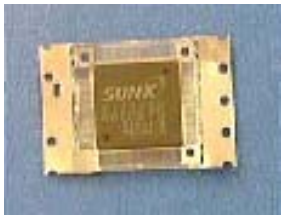
Alpha systems

FIBER
Laser Marker

Alpha Systems Limited, Unit 2002, Westley Square, 48, Hoi Yuen Road, Kwun Tong, HONG KONG
Tel:852-2572 1085; Fax:852-2838 4965; email: info@CADmachinery.com. Web: www.CADmachinery.com

Fiber laser marking machine employs fiber laser generator, high speed galvo system to ensure rapid scanning at high precision.This machine can meet the demand of mass production with fast marking speed, high quality marking effect at high efficiency. Widely used in marking electronics, clocks & watches, sanitary ware, eyeglasses, automobile parts, hardware tools, plastic keys, medical apparatuses and communication products and many more



Sample Markings

Features:

All in one structure with manual focusing system and user friendly operation.
Laser beam quality is much better than YAG-DP. Fiber laser beam mode is TEM00, focus diameter is less than 50um, expanding angle is 1/4 of the YAG-DP. Therefore, marking quality is excellent.
Special isolator for laser generator to increase stability and long life.
Energy saving. Electricity consumption is less than 500W which is 1/10th of the YAG-DP Free from maintenance, long working life, compact size
Fast marking speed, 2 to 3 times faster than YAG-DP
Compatible with common graphic formats (bmp, jpg, gif, tga, png, tif, etc.)and vectorgraphs (dxf,dst,plt,etc.).

Application:

Suitable for all kinds of metals, industrial plastics, electroplates, metal coated materials, rubber, ceramic etc.. Widely applied to industries such as electronics instrument, communication apparatus, packing, beverage, battery, sanitary ware, automobile part, jewellery, watch and clock, medical apparatus, eye glass-es and hardware tools. This product can be integrated into the users' production line for online marking.

Rotary Option

Technical Specifications

MODEL	FIBER MARKER 20W,30W,50W
Laser Module life	About 100,000 Hours
Process area (mm)	110 x 110 mm upto 300 x 300 mm
Max. speed (mm/sec)	7000
Laser Pulse Frequency	20KHz to 100KHz
Positioning accuracy (mm)	0.02
Power supply	220V , 50/60Hz
Laser wave length	1065nm +/-10nm
Min Character	0.15 mm
Marking Depth	≤ 0.3mm
Cooling System	Air cooling
Power consumption	500W
Ambient condition	15– 35°C , 40 to 70% humidity