

UV Laser Marking systems

Dapeng Laser's marking machine is manufactured from a modular aluminum structural framing system. The high-strength aluminum profiles provide the stability of an optical instrument with the rigidity and durability of a machine tool.

The DPL-UV series Using small conduction cooling of all solid state laser ultraviolet laser marking machine using small conductive cooling all solid-state laser , UV laser marking machine adopt diode pump Slab crystal technology ,it belongs to a new generation laser technology. It can produce high power laser,output high quality laser beam and short-pulse laser. Adopting the unique pulse technology ,it can change the width of outputting pulse which is meet the demand of processing different material.

Advantages:

- 1, Excellent beam quality, smaller focused spot, ultra fine marking
2. More widely used, based on the ultraviolet light can be absorbed by the majority of material
3. Minimal heat affected zone, will not produce thermal effect or material burning problem
4. Fast marking speed, high efficiency
5. Stable overall performance, small size and low power

Features:

Easy to Use Automation Features	Sharp, High Contrast, Impact Free	High Speed Galvo Steering
Compact	100,000 Hrs Laser Lifetime	1 Years Warranty
Turnkey System	Permanant Marking	Air Cooled/Energy Efficient
Tunable Pulse Rate	Environmentally Friendly/No Consumable	Digital I/O for Easy Operation
Fast Set-Up	Red Laser Pointer	

Specifications:

型号 Model	UV-3/5/7/10/15
激光功率 Laser Power:	3W,5W, 7W, 10W, 15W
激光波长 Wavelenth:	355nm

光束质量 Beam Quality	M2:<1.2
激光器寿命 Laser source lifetime	≤50,000hrs
激光调Q频率 Pulse Width	1kHz-200kHz
标准雕刻范围 Standard Marking Area:	100mm*100mm
可选雕刻范围 Optional Marking Area:	50mm*50mm, 150nm*150nm, 180nm*180nm
雕刻深度 Marking Depth	≤1.0mm(Depend on material)
最小线框 Minimum Line Width	0.01mm(depend on marking area)
最小字符 Minimum letter	0.1mm(depend on marking area)
重复精度 Resetting positioning accuracy	±0.001mm
雕刻速度 Marking Speed:	≤10000mm/s
电力需求 Electrical Requirements:	Ac220V±10%.50HZ.10Amp
整机功率 Unit Power	≤1.2kw
冷却方式 Cooling mode	水冷或风冷 Water or Air cooled
运行环境要求 Operational Temp & Humidity Range	10-35 ° C, 5%-80%, Non-condensing(非冷凝)

Software:

True Type Fonts	Single Stroke Fonts	Elliptical Text
Sequential Serial Numbers	Customizable Auto Dating	Barcodes
QR Codes and Data Matrix	UID Wizard	Logos
Photo Quality Images - JPG, TIF, GIF	Corel Draw, Adobe Illustrator	Raster Graphics
Vector Graphics	CAD Files	

Applications:

We offer UV Laser Marking Machine with following applications:

- 1.High density polyethylene fiber and general hard plastic material such as DuPont™ Tyvek, white HDPE and LDPE etc.

2.Ultra precision machining of the high-end market, such as cosmetics, medicines, food and other polymer materials packaging bottle surface marking, marking clear and lasting, better than the ink and has no pollution.

3.The flexible PCB plate dicing; silicon wafer microporous, blind hole processing; two-dimensional code LCD glass, glass, metal surface coating, plastic buttons, electronic components, gifts, communications equipment, building materials and so on.

We also provides laser sources and spare parts to the laser machine manufacturers in China and surrounding countries.

Images:



