TRACENBERG
MARQUAGE TRAÇABILITÉ PERFORMANCE

Venus1 Series UV Laser Marker

Featuring excellent beam quality, an ultra-small focal spot, a minimal heat-affected zone, and low material damage, this machine is ideal for applications with strict requirements for marking precision, smooth edges, material compatibility, and damage-free processing. It is widely used across industries including plastics, polymers, glass, ceramics, printed circuit boards (PCBs), medical devices, food and pharmaceutical packaging, and electronic components.

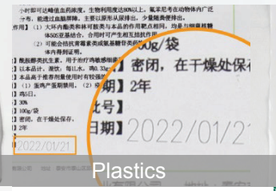


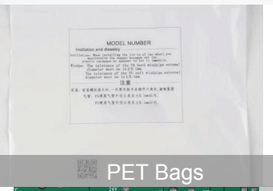


- Fully independently developed system with optimal algorithms ensuring marking speed and efficiency.
- Visual display of device status with a WYSIWYG editing interface.
- Abundant external output interfaces for interconnection and interlocking with peripheral devices.
- Embedded interface operation with one-click access to help documentation.
- Aluminum alloy and stainless steel body, suitable for harsh environments, IP54 rated.


Glass


Beverage


Plastics

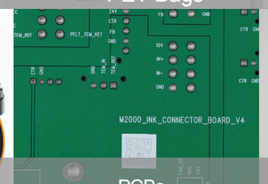

PET Bags


Metal Caps


Electronics

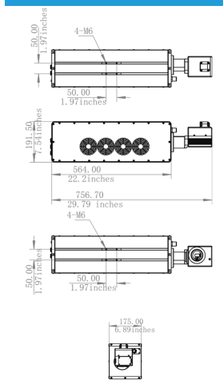

Cosmetics

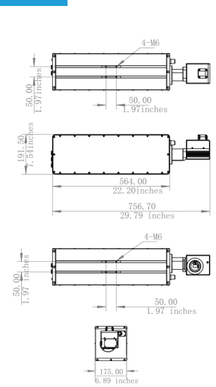

Parts and Accessories

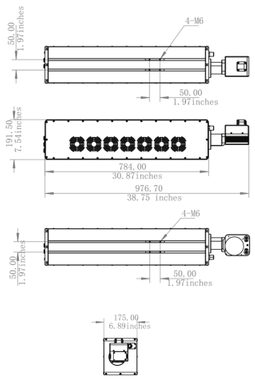

PCBs

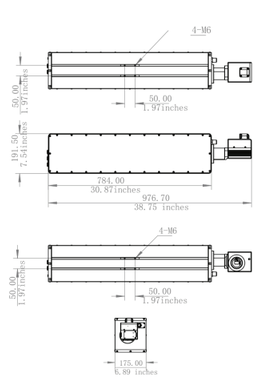

Electronic Accessories

Machine Specification


5W/10W Air Cooling


5W/10W Water Cooling


15W Air Cooling


15W Water Cooling

Machine Parameters

Model	1005U-355F-J-IP43、1010U-355F-J-IP43、1005U-355F-N-IP43 1010U-355F-N-IP43、1015U-355F-N-IP43	1005U-355W-J-IP54、1010U-355W-J-IP54、1005U-355W-N-IP54 1010U-355W-N-IP54、1015U-355W-N-IP54
Machine Material	Aluminum Alloy	
Laser Type	UV Laser	
Laser Wavelength	355nm	
Laser Power	5W/10W/15W	
Positioning Method	Automatic red-light positioning, focusing, and preview	
Marking Speed	Dependent on the substrate material, marking content size, and complexity	
Lines of Marking	Unlimited	
Character Height	0.6mm to the maximum marking area	
Supported Languages	Simplified Chinese, Traditional Chinese, English, Korean, Japanese, Russian, Spanish, Persian, and more	
Graphic Formats	JPG,BMP,PNG,DXF,DWG,PLT,AI,SVG	
Supported Barcodes	CODE11,C25INTER,CODE39,EXCODE39,EAN128,CODABAR,CODE128,CODE49,C ODE93,UPCA,UPCE,EAN14, VIN,NVE18,ITF14,QRCODE,DATAMATRIX,MICROQR,PDF417,PDF417TRUNC	
Marking Area	Standard: 110mm*110mm; Optional (70mm-300mm)	
Galvo Scanner Head	High-precision 2D digital scanning system	
Controller	10.1-inch color display, industrial touch screen	
Operating System	Embedded Linux secure operating system	
Cooling System	Air Cooling	Water Cooling
Main Beam Dimensions	976.7*175*191.5mm(15W)	756.7*175*191.5mm(5W/10W)
IP Rating	IP43	IP54
Product Speed Monitoring	Supports AB phase encoder	
I/O & Interfaces	Photocell signal, encoder signal, alarm signal, I/O (NPN, PNP,switch-type sensors), RS232 communication, etc.	
Power Requirements	100V-240V/50-60HZ	
Total Power Consumption	≤900W	
Operating Environment	Ambient temp: 0°C-45°C; Humidity: ≤95%; Non-condensing; Vibrati on-free	
Laser Lifespan	2-3 years under normal use	
Packaging Dimensions	900*390*320mm	
Gross Weight	20.5kg (5W/10W)	22.6kg (15W)

Une Question ? Un Conseil ?
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