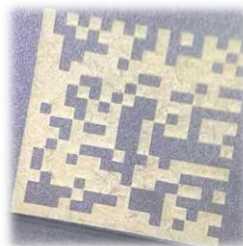


AOMarker – 500iv (Fiber)



200077 d8x1.8

SUS Marking



Plastic Marking



Metal Marking

Introduction

The IV series offers a fiber laser that can be customized for different processing needs. Depending on the material and the desired effect, the pulse width of the fiber laser can be adjusted from 0.2 to 500 nanoseconds. This compact unit can handle various applications, such as marking, engraving, removing coatings, welding thin metal sheets, and working with high-reflective or dissimilar metals. It is suitable for industries that require high-quality and detailed work, such as watches, jewelry, molds, and more.

Specification

Item	Specs			
Model	500iv-F	500iv-F	500iv-F	500iv-F
Power (W)	20W	30W	60W	80W
Wavelength (nm)	1064	1064	1064	1064
Pulse Width (ns)	0.5~500	2~350	2~500	2~500
Pulse Repetition Rate (KHz)	1~3000	1~4000	1~3000	1~3000
Beam Quality (M2)	≤1.5	≤1.2	≤1.5	≤1.5
Marking Area (mm)	50*50/100*100/200*200/300*300			
Galvo Repetition Positioning Accuracy (uRad)	< 22	< 22	< 22	< 22
Length of Fiber (m)	3			
Z Motion	Manual/ Motor			
Power Supply	AC220/50Hz			
Power Consumption (kW)	1			
Cooling	Air			
Environment Temperature	0~40°C			
Vision System	Option for Co-axial Vision System			
Software	Lightburn/ Ezcad			