

ESTAR
-
FREEP

Enclose
Type
Plus
Laser
Marking
Machine



Features



Powerful
laser power



9.8"*14.2"
Working area



30 um
Spot size



7000 mm/s
Engraving
speed



Red dot
guidance



Protective
design



100,000 hr.
Service life



EzCad 2
Included



OME & ODM
Supported



CUT



MARK



ENGRAVE

Parameters

Laser Model (Raycus)	RFL-P20QB	RFL-P30QB	RFL-P50QB	RFL-P70QA	RFL-P100QA
Laser Output Power	20W	30W	50W	70W	100W
Marking Depth	≤ 0.1 - 0.2 mm	≤ 0.5 mm	≤ 0.5 - 1.0 mm	≤ 1.2 mm	≤ 1.2 - 1.5 mm
Pulse repetition frequency	20-60 KHZ	30 - 60 KHZ	50 - 100 KHZ	60 - 100 KHZ	80 - 120 KHZ
Pulse Width Range(ns)	90 - 110	90 - 110	120 - 150	200 - 240	250 - 290
Beam quality M2	< 1.5 M	< 1.5 M	< 1.6 M	< 1.6 M	< 1.6 M
Output Power instability	<3% rms	<3% rms	<3% rms	<5% rms	<5% rms
Output Beam Diameter(mm)	7 ± 1	6 - 8	7 ± 1	6 ± 1	6 ± 1
Running Temperature	0°C - 40°C				
Wavelength	1064 nm				
Marking Speed	≤7000 mm/s				
Repetition Accuracy	≤ 0.01 mm				
Electrical Source Requirement	110-220V/50Hz(60Hz)/4A				
Life of Laser	100.000 hours				
Software Compatible	EzCad & lightBurn				
Supported File Types	GIF, JPG, TGA, TIF, DST, PLT, PNG, AI, BMP, DXF				

APPLICATION
APPLICABLE SCENARIOS

