

GM Series
Pulsed Fiber Laser

20W-100W



Product Parameters

Product Model	-	YFPN-20-GM	YFPN-30-GM	YFPN-100-GM
Optical Characteristics				
Wavelength	nm	1060~1080		
Average Power	W	20	30	100
Beam Quality M ²	-	<1.5		<1.6
Max. Pulse Energy	mJ	0.8		2.0
Repetition Rate	kHz	1~3000		
Pulse Duration	ns	2~500		
Beam Diameter	mm	7±1		
Laser Switching ON/OFF Time	μs	<50		<20
Power Instability (RMS)	%	<5		
General Characteristics				
Laser Dimension	mm	269*210*69		1. 309.5*260*100
Net Weight	kg	<4.5		<13
Supply Voltage	V	24(DC)		48(DC)
Recommended Power Supply	W	150		600
Cooling Method	-	Air		

Product Features

- 01. Average power 20~100W
- 02. Peak power 40kW
- 03. Pulse width adjustable 2~500ns
- 04. Repetition frequency 1~3000kHz
- 05. Excellent stability
- 06. High performance

Typical Applications

- Surface Treatment
- Precision Marking
- Laser Trimming Resistance
- Anode Aluminum High Speed Black Marking
- Laser Scribing



E-cigarette Black Marking



Laser Black Marking



Magnesium Aluminum Alloy Black Marking



Anodized Aluminum Black Marking

GM Series
Pulsed Fiber Laser

200W-1000W



Product Parameters

Product Model	-	YFPN-200 -GM	YFPN-300 -GM	YFPN-500 -GM	YFPN-750 -GM	YFPN-1000 -GM
Optical Characteristics						
Wavelength	nm	1060~1080				
Average Power	W	200	300	500	750	1000
Beam Quality M²	-	<1.6			<1.8	<2.0
Max. Pulse Energy	mJ	2.0				
Repetition Rate	kHz	1~3000		1~4000	1~6000	
Pulse Duration	ns	2~500		20~500		
Beam Diameter	mm	7±1(10mm optional)		9~11		
Laser Switching ON/OFF Time	μs	<20				
Power Instability (RMS)	%	<5				
General Characteristics						
Laser Dimension	mm	425*360*135	448*439*135	485*461*82	692*485*130	
Net Weight	kg	<21	<26	<23	<45	
Supply Voltage	V	48(DC)			220(AC)	
Recommended Power Supply	W	1000	1500	2500	2640	3520
Cooling Method	-	Air		Water		

Product Features

- 01. Average power 200~1000W
- 02. Beam quality M²<2.0
- 03. Single pulse energy 2mJ
- 04. Pulse width adjustable 2~500ns
- 05. Photoelectric conversion efficiency>20%
- 06. Maintenance-free
- 07. High power

Typical Applications

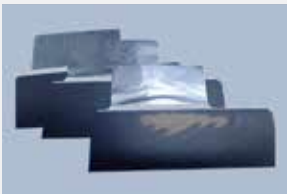
- 3C Battery Welding
- Pole Tab Cutting
- Laser Texturing
- High Speed Marking
- Laser Cutting /Scribing
- Surface Treatment



• 3C Welding



• Battery Welding



• Tab Cutting



• Glossy Marking on Aluminum

GME Series
Pulsed Fiber Laser

20W-100W



Product Parameters

Product Model	-	YFPN-20 -GME	YFPN-30 -GME	YFPN-60 -GME	YFPN-80 -GME	YFPN-100 -GME
Optical Characteristics						
Wavelength	nm	1060~1080				
Average Power	W	20	30	60	80	100
Beam Quality M²	-	<1.5		<1.8		
Max. Pulse Energy	mJ	0.8		1.5		
Repetition Rate	kHz	1~3000				
Pulse Duration	ns	2~500				
Beam Diameter	mm	7±1				
Laser Switching ON/OFF Time	μs	<20				
Power Instability (RMS)	%	<5				
General Characteristics						
Laser Dimension	mm	269*210*69		316.5*260*80	320.5*280*80	309.5*260*100
Net Weight	kg	<4.5		<8	<8.5	<13
Supply Voltage	V	24(DC)				48(DC)
Recommended Power Supply	W	150		350		600
Cooling Method	-	Air				

Product Features

- 01. Average power 20~100W
- 02. Pulse width adjustable 2~500ns
- 03. Repetition frequency range 1~3000kHz
- 04. Maintenance-free
- 05. Cost-effective

Typical Applications

- Surface Treatment
- Conventional Marking
- Color Marking
- Precision Cutting & Drilling
- Anodized Aluminum Black Marking



Stainless Steel Color Marking



Black Marking



Metal Engraving



Plastic Marking

GME Series
Pulsed Fiber Laser

200W-500W



Product Features

- 01. Average power 200~500W
- 02. Single pulse energy 1.5mJ
- 03. Beam quality $M^2 < 1.8$
- 04. Pulse width adjustable 2~500ns
- 05. Photoelectric conversion efficiency >20%
- 06. Cost-effective

Typical Applications

- Surface Treatment

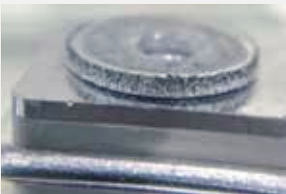
Laser Cleaning
- High Speed Marking

Laser Cutting
- Laser Deep Engraving

Laser Welding

Product Parameters

Product Model	-	YFPN-200-GME	YFPN-300-GME	YFPN-500-GME
Optical Characteristics				
Wavelength	nm	1060~1080		
Average Power	W	200	300	500
Beam Quality M²	-	<1.8		
Max. Pulse Energy	mJ	1.5		
Repetition Rate	kHz	1~3000	1~2000	1~3000
Pulse Duration	ns	2~500	50~500	
Beam Diameter	mm	7±1		10±1
Laser Switching ON/OFF Time	μs	<20		
Power Instability (RMS)	%	<5		
General Characteristics				
Laser Dimension	mm	425*360*135	448*439*135	485*461*82
Net Weight	kg	<21	<27	<23
Supply Voltage	V	48(DC)		
Recommended Power Supply	W	1000	1200	2000
Cooling Method	-	Air		Water



• Battery Module Recycling



• Zinc Layer Removal
(Galvanized Sheet)



• High Speed Marking



• Enameled Wire Cleaning

GLE Series Pulsed Fiber Laser

50W-100W



Product Features

- 01. Average power 50~100W
- 02. Max. pulse energy 1.25mJ
- 03. Photoelectric conversion efficiency>20%
- 04. Red light indicator
- 05. Strong anti-reflection
- 06. Maintenance-free

Typical Applications

- Laser Marking

Laser Deep Engraving
- Laser Cutting

Laser Drilling

Surface Treatment

Product Parameters

Product Model	-	YFPN-50-GLE	YFPN-100-GLE
Optical Characteristics			
Wavelength	nm	1060~1080	
Average Power	W	50	100
Beam Quality M²	-	<1.8	
Max. Pulse Energy	mJ	1.25(@40kHz)	1.25(@80kHz)
Repetition Rate	kHz	5~100	5~200
Pulse Duration	ns	120±20	
Beam Diameter	mm	7±1	
Laser Switching ON/OFF Time	µs	<50	
Power Instability (RMS)	%	<5	
General Characteristics			
Laser Dimension	mm	316.5*260*80	360*301*114
Net Weight	kg	<8	<12
Supply Voltage	V	24(DC)	48(DC)
Recommended Power Supply	W	350	600
Cooling Method	-	Air	



• White Marking



• Cutting



• Black Marking



• Deep Engraving

GMC Series
Pulsed Fiber Laser

100W-1000W Single mode



Product Parameters

Product Model	-	YFPN-100 -GMC	YFPN-200 -GMC	YFPN-300 -GMC	YFPN-500 -GMC	YFPN-1000 -GMC
Optical Characteristics						
Wavelength	nm	1060~1080				
Average Power	W	100	200	300	500	1000
Beam Quality M²	-	<1.6	<1.8			
Max. Pulse Energy	mJ	1.5	1.8		1.5	2.0
Repetition Rate	kHz	1~3000				1~6000
Pulse Duration	ns	2~500	10~500	20~500		
Beam Diameter	mm	6±1			8±1	-
Laser Switching ON/OFF Time	μs	<20				
Power Instability (RMS)	%	<5				
General Characteristics						
Laser Dimension	mm	320*280*92	439*375*140		485*463*82	692*485*130
Output QCS Diameter	mm	17			24	-
Net Weight	kg	<9	<25	<27	<23	<40
Supply Voltage	V	48(DC)				220(AC)
Recommended Power Supply	W	600	1000	1200	2000	3520
Cooling Method	-	Air			Water	

Product Features

- 01. Average power 100~1000W
- 02. QCS output with 5m delivery cable
- 03. Gaussian beam M²<1.8
- 04. Max. pulse energy 2.0mJ
- 05. Adjustable pulse width 2~500ns
- 06. Strong anti-reflection

Typical Applications

Laser
Cleaning

Rust
Removal

Paint
Removal

Coating
Removal

Surface
Treatment



• Welding Bead Cleaning



• Saw Blade Paint Removal



• Handheld Cleaning



• Copper Pillar Cleaning

GMC Series
Pulsed Fiber Laser

200W-1000W Multimode



Product Parameters

Product Model	-	YFPN-200-GMC-H5R	YFPN-500-GMC-H15R	YFPN-1000-GMC-H50R	YFPN-1000-GMC-H50R-F	YFPN-1000-GMC-H100R-F
Optical Characteristics						
Wavelength	nm	1060~1080				
Average Power	W	200	500	1000		
Beam Quality (BPP)	mm·mrad	<6	<5	<11	<12	<24
Beam Diameter (QCS)	mm	5±1	-			
Divergence Angle (QBH)	mrad	-	<200			
Max. Pulse Energy	mJ	5	15	50		100
Repetition Rate	kHz	1~3000	1~1000	1~400		
Pulse Duration	ns	10~500		30~500		
Laser Switching ON/OFF Time	μs	<20	<100	<500		<600
Power Instability (RMS)	%	<5				
General Characteristics						
Laser Dimension	mm	439*375*140	473*485*82	538*430*140		
Output QCS Diameter	mm	17	-			
Net Weight	kg	<25		<60		
Supply Voltage	V	48(DC)		220(AC)		
Recommended Power Supply	W	1000	2500	3520		
Cooling Method	-	Air	Water			

Product Features

- 01. Average power 200~1000W
- 02. Single pulse energy 5mJ, 15mJ, 50mJ, 100mJ optional
- 03. Flat top beam
- 04. Pulse width adjustable 10~500ns
- 05. Output delivery cable 10m

Typical Applications

Laser Cleaning

Mold Cleaning

Rust Removal

Paint Removal



• Tire Mold Cleaning



• Engine Surface Degreasing and Paint Removal



• Shoes Mold Cleaning



• Power Transmission Pipe Cleaning

Small Volume Cleaning Series

Pulsed Fiber Laser

100W-300W



Product Parameters

Product Model	-	YFPN-100-GMC-S	YFPN-200-GLC	YFPN-300-GMC-S
Optical Characteristics				
Wavelength	nm	1060-1080		
Average Power	W	100	200	300
Beam Quality M ²	-	<1.6	<1.8	
Max. Pulse Energy	mJ	1.5		
Repetition Rate	kHz	1~3000	5~200	1~3000
Pulse Duration	ns	2~500	170±20(FWHM)	20~500
Beam Diameter (4σ)	mm	6±1		
Laser Switching ON/OFF Time	μs	<20		
Power Instability (RMS)	%	<5		
General Characteristics				
Laser Dimension	mm	320*220*100	345*265*100	369*315*121
Output QCS Diameter	mm	17		
Net Weight	kg	<7.5	<9.5	<15
Supply Voltage	V	24(DC)	48(DC)	
Recommended Power Supply	W	600	1000	1500
Cooling Method	-	Air		



Product Features

- 01. Special for small volume fiber pulse laser cleaning
- 02. Average power 100~300W
- 03. 5m QCS output
- 04. Gaussian beam M²<1.8
- 05. Single pulse energy 1.5mJ



Typical Applications

- Laser Cleaning
- Rust Removal
- Paint Removal
- Hand Held Marking



• Paint Removal



• Rust Removal



• Weld Bead Cleaning



• Road Surface Paint Removal

GT Series Pulsed Fiber Laser

All in One Machine



Product Parameters

Product Model	-	F-120-GT-Pro+
Optical Characteristics		
Wavelength	nm	1060~1080
Average Power	W	120
Beam Quality M²	-	<1.4
Max. Pulse Energy	mJ	1
Repetition Rate	kHz	1~3000
Pulse Duration	ns	2~50
Beam Diameter	mm	10~12
Laser Switching ON/OFF Time	µs	<20
Power Instability (RMS)	%	<5
General Characteristics		
Laser Dimension	mm	424*296*70
Net Weight	kg	<13
Supply Voltage	V	48(DC)
Recommended Power Supply	W	≥600
Cooling Method	-	Water

Product Features

- 01. Average power 120W
- 02. Peak power >200kW
- 03. Single pulse energy 1mJ
- 04. Pulse width adjustable 2~50ns
- 05. All-in-one machine without optical fiber output
- 06. Maintenance-free

Typical Applications

- Glass Drilling

Surface Treatment

Ceramic Scribing

Smart Mirror Stripping/Frosting

Laser Cutting



- Glass Paint Removal & Glass frosting



- Glass Drilling



- Glass Cutting



- Photovoltaic Glass Drilling

QCW
Fiber Laser

75W-600W



Product Parameters

Product Model		-	YFQCW-75	YFQCW-150		YFQCW-300			YFQCW-450		YFQCW-600	
Optical Characteristics												
Wavelength		nm	1060~1090									
Working Mode		-	Pulse/Continuous									
Average	Pulse	W	75	150		300		450		600		
Power	Continuous		100		300							
Max. Peak Power		W	750	1500		3000		4500		6000		
Max. Pulse Energy		J	7.5	15		30		45		60		
Pulse Width (FWHM)		ms	0.02~50									
Modulation Frequency		Hz	1~20000					1~5000				
Core Diameter		μm	14	14	50	100	25	50	100	30	50	50
Beam Quality M²		-	<1.25		<6	<13	<1.4	<6	<13	<1.6	<6	<6
QBH Divergence Angle		mrad	<120	<120	<180		<80	<180		<80	<180	<180
General Characteristics												
Laser Dimension		mm	431*439*164		555*433*164		689*495*170		508*481*266		1070*750*960	
Net Weight		kg	<35		<50		<54		<65		<145	
Supply Voltage		V	48(DC)		220(AC)							
Power Consumption		W	<400		<1000		<1200		<2000		<2500	
Cooling Method		-	Air									

Product Features

- 01. Replace the YAG laser
- 02. Average power 75~600W
- 03. Peak power 750~6000W
- 04. Single pulse energy 7.5~60J
- 05. Reshape pulse waveform
- 06. Single-mode/Multi-mode optional
- 07. Maintenance-free

Typical Applications

- Precision Cutting

Ceramic Scribing/Cutting

Spot Welding
- Seam Welding

Laser Drilling

Laser Marking



• Ceramic Cutting



• 3C Spot Welding



• Silicon Wafer Drilling



• Silver Cutting

CW Series
Fiber Laser

100W-500W



Product Parameters

Product Model	-	YFCW-100-SM	YFCW-200-SM	YFCW-300-SM	YFCW-500-SM
Optical Characteristics					
Wavelength	nm	1060~1090			
Output Power	W	100	200	300	500
Beam Quality M²	-	<1.2			
QBH Divergence Angle	mrad	<120			
Spectral Width@3dB	nm	<5			
Maximum Modulation Frequency	kHz	50			
Output Power Adjustment Range	%	10~100			
Laser Switching ON/OFF Time	μs	<10			
Power Instability (PTP)	%	<5			
General Characteristics					
Laser Dimension	mm	424*483*135			485*413*82
Net Weight	kg	<25			<20
Supply Voltage	V	48(DC)			
Recommended Power Supply	W	500	1000	1500	2000
Cooling Method	-	Air			Water

Product Features

- 01. High beam quality (M²<1.2)
- 02. Max modulation frequency 50kHz
- 03. Single mode fiber core diameter (14μm)
- 04. Air-cooled and water-cooled optional
- 05. Maintenance-free

Typical Applications

Precision Cutting

Precision Welding

3D Printing

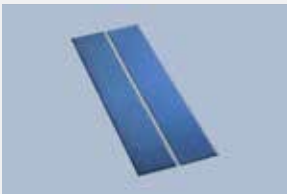
Silicon Lossless Scribing



• Precision Cutting



• 3D Printing



• Photovoltaic Cell Fragment



• Silicon Wafer Cutting

Solid Green Laser

25W-60W



Product Parameters

Product Model	-	S-25-532-N1	S-60-532-N1
Optical Characteristics			
Wavelength	nm	532	
Average Power	W	>25(@60kHz)	>60(@50kHz)
Beam Quality M²	-	<1.3	
Max. Pulse Energy	-	>416μJ(@60kHz)	>1.2mJ(@50kHz)
Repetition Rate	kHz	50~200	
Pulse Width (FWHM)	ns	<18(@60kHz)	<25(@50kHz)
Beam Diameter (1/e²)	mm	6±1(8X)	5.6±1(6X)
Spot Ellipticity	%	>90	
Instability (RMS)	%	<3	
General Characteristics			
Laser Dimension	mm	400*160*130	480*210*138
Net Weight	kg	≤12	≤20.5
Supply Voltage	V	24(DC)	48(DC)
Recommended Power Supply	W	350	800
Cooling Method	-	Water	
General Information			
Operating Temp	℃	15~35	
Standby Warm-up	Min	<10	

Product Features

- 01. Average power 25~60W
- 02. High single pulse energy 1200μJ
- 03. Beam quality M²<1.3
- 04. Integrated structural design, easy to install

Typical Applications

- PCB Cutting
- Glass Drilling
- Laser Marking
- Laser Micro-engraving



• PCB Cutting



• Marking



• Glass Micropore drilling



• Laser-Micro-Engraving

Solid
UV laser

3W-5W



Product Parameters

Product Model	-	S-3-355-N1A	S-5-355-N1A
Optical Characteristics			
Wavelength	nm	355	
Average Power	W	>3(@40kHz)	>5(@40kHz)
Beam Quality M²	-	<1.3	
Max. Pulse Energy	μJ	>75(@40kHz)	>125(@40kHz)
Repetition Rate	kHz	30~200	
Pulse Width (FWHM)	ns	<15(@40kHz)	
Beam Diameter (1/e²)	mm	5±1(10X)	
Spot Ellipticity	%	>90	
Power Instability (RMS)	%	<3	
General Characteristics			
Laser Dimension	mm	260*140*150	
Net Weight	kg	≤8	
Supply Voltage	V	24(DC)	
Recommended Power Supply	W	200	350
Cooling Method	-	Air	
General Information			
Operating Temp	℃	5~35	
Standby Warm-up	Min	<15	

Product Features

- 01. Small structure and easy for installation, air cooling
- 02. Average power 3~5W
- 03. High power stability RMS<3%
- 04. Ambient temperature range 5~35°C
- 05. 18 months warranty

Typical Applications

Plastic Marking

Precision Drilling

Flight Marking

Micro Machining



• Packaging Marking



• Precision Marking



• Blue Film Marking



• Ceramic Black Marking

Solid
UV laser

5W-20W



Product Parameters

Product Model	-	S-5-355-SE	S-5-355-N1F	S-10-355-N1	S-15-355-N1	S-20-355-N1
Optical Characteristics						
Wavelength	nm	355				
Average Power	W	>5 (@40kHz)	>5 (@50kHz)	>10 (@60kHz)	>15 (@60kHz)	>20 (@70kHz)
Beam Quality M²	-	<1.3				
Max. Pulse Energy	μJ	>125 (@40kHz)	>100 (@50kHz)	>160 (@60kHz)	>250 (@60kHz)	>285 (@70kHz)
Repetition Rate	kHz	30~200	40~200	50~200		
Pulse Width (FWMH)	ns	<15 (@40kHz)	<15 (@50kHz)	<14 (@60kHz)	<16 (@60kHz)	<15 (@70kHz)
Beam Diameter (1/e²)	mm	4±1(10X)	5±1(10X)			
Spot Ellipticity	%	>90				
Power Instability (RMS)	%	<3				
General Characteristics						
Laser Dimension	mm	263*120*80.5	260*140*130	400*160*130		
Net Weight	kg	≤4	≤7	≤13		≤12
Supply Voltage	V	24(DC)				
Recommended Power Supply	W	350				
Cooling Method	-	Water				
General Information						
Operating Temp	℃	15~35				
Standby Warm-up	Min	<10				

Product Features

- 01. Medium and high power nanosecond solid UV laser
- 02. Average power 5~20W
- 03. TEM00 mode M²<1.3
- 04. High power stability RMS <3%
- 05. Power without attenuation after 3000h ageing

Typical Applications

- PCB/FPC
Cutting
/Drilling

Brittle
Material
Drilling

Glass
Marking
/Frosting
- Flexible
Material
Cutting

Hard
Board
Cutting

High
Speed
Marking



FPC Cutting



PCB Cutting



Micro Drilling



Glass Marking

Solid
UV laser

25W-40W



Product Parameters

Product Model	-	S-25-355-HF	S-30-355-N1	S-40-355-N1
Optical Characteristics				
Wavelength	nm	355		
Average Power	W	>25 (@80kHz)	>30 (@50kHz)	>40 (@50kHz)
Beam Quality M ²	-	<1.3		
Max. Pulse Energy	μJ	>312.5 (@80kHz)	>600 (@50kHz)	>800 (@50kHz)
Repetition Rate	kHz	80~300	40~200	
Pulse Width (FWMH)	ns	<26 (@80kHz)	<25 (@50kHz)	
Beam Diameter (1/e ²)	mm	5.6±1(8X)		
Spot Ellipticity	%	>90		
Power Instability (RMS)	%	<3		
General Characteristics				
Laser Dimension	mm	480*210*138		480*220*138
Net Weight	kg	≤20.5		≤23
Supply Voltage	V	48(DC)		
Recommended Power Supply	W	800		
Cooling Method	-	Water		
General Information				
Operating Temp	℃	15~35		
Standby Warm-up	Min	<10		

Product Features

- 01. High power nanosecond solid UV laser
- 02. Average power 25~40W
- 03. TEM00 mode M²<1.3
- 04. High power stability RMS <3%
- 05. All in one structure design, easy installation

Typical Applications

- PCB/FPC
Cutting/Drilling
- Carbon Fiber
Material Cutting
- Glass marking
/Frosting
/Drilling
- Flexible
Material
Cutting
- Hard
Board
Cutting



FPC Cutting



PCB Cutting



High Speed Flying Marking



Carbon Fiber Cutting

Fiber
Pico-second Infrared Laser

50W



Product Parameters

Product Model	-	YFPP-50-IR-030200
Optical Characteristics		
Wavelength	nm	1030
Working Mode	-	Pulse/ Burst
Average Power	W	50@2MHz
Beam Quality M ²	-	<1.3
Max.Pulse Energy	μJ	25
Repetition Frequency	kHz	50~2000
Pulse Width (FWHM)	ps	1~3
Beam Diameter	mm	2±0.5
Spot Ellipticity	%	>90
Polarization Direction	-	Linear polarization
Power Instability RMS (8h)	%	<5
General Characteristics		
Laser Dimension	mm	566*305*118
Net Weight	kg	<30
Supply Voltage	V	48(DC)
Recommended Power Supply	W	600
Cooling Method	-	Water

Product Features

- 01. Fiber optic infrared picosecond laser
- 02. Repetition frequency 50~2000kHz continuously adjustable
- 03. Pulse width range 1~3ps optional
- 04. Maintenance-free

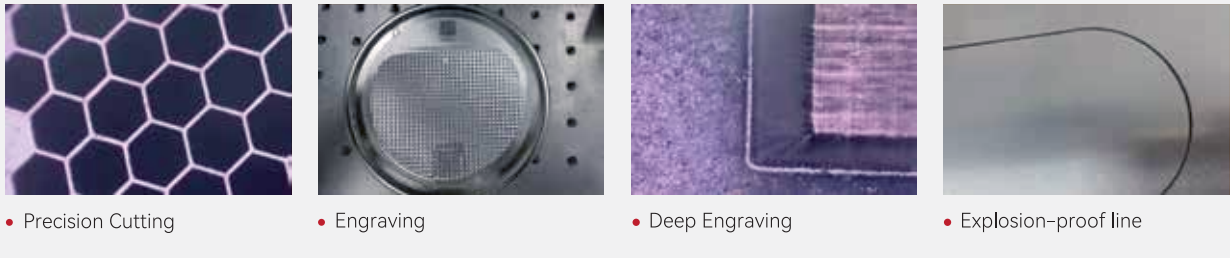
Typical Applications

- Black Marking

Colorful Marking

Precision Deep Engraving
- Precision Cutting

Explosion-proof Valve Scribing



Fiber
Pico-second Green Laser

50W



Product Parameters

Product Model	-	YFPP-50-GR
Optical Characteristics		
Wavelength	nm	532
Working Mode	-	Burst
Average Power	W	50
Beam Quality M ²	-	<1.2
Maximum Pulse Energy	μJ	50
Repetition Frequency	MHz	1~50
Pulse Range	ps	10~800
Beam Diameter	mm	2±0.5
Spot Ellipticity	%	>90
Polarization Direction	-	Linear polarization
Power Instability RMS (8h)	%	<5
General Characteristics		
Laser Dimension	mm	670*305*111
Net Weight	kg	<25
Supply Voltage	V	48(DC)
Recommended Power Supply	W	600
Cooling Method	-	Water

Features

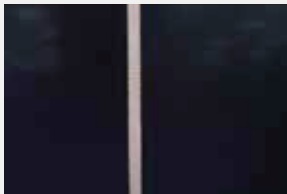
- 01. Fiber picosecond green laser
- 02. High repetition frequency 50MHz
- 03. Pulse width range 10~800ps optional
- 04. The maximum single pulse energy can reach 50μJ
- 05. Burst mode
- 06. Maintenance-free

Typical Applications

- LED Dicing
- Medical Device Manufacturing
- Solar Cell Texturing
- Photomask Cutting
- Precision Drilling
- Thin Film Ablation



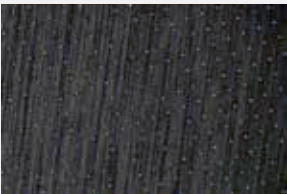
• 3C Marking



• Perovskite Scribing



• Laser Marking



• Micro Holes Drilling

Solid
Pico-second Laser

Infrared | Green | UV



Product Parameters

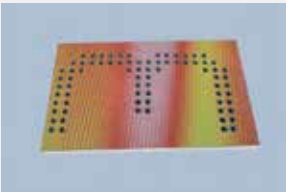
Product Model	-	S-30-1064-P1	S-20-532-P1	S-10-355-P1
Optical Characteristics				
Wavelength	nm	1064	532	355
Average Power	W	30(@1MHz)	20(@1MHz)	10(@1MHz)
Beam Quality M²	-	<1.3	<1.2	
Max.Pulse Energy	μJ	30(@1MHz)	20(@1MHz)	10(@1MHz)
Repetition frequency	MHz	0.4~2		
Pulse Width (FWHM)	ps	<15		
Beam Diameter (1/e²)	mm	2.5±1		
Spot Ellipticity	%	>90		
Polarization direction	-	Level	Vertical	Level
Power Instability RMS (8h)	%	<3		
General Characteristics				
Laser Dimension	mm	630*250*120		
Supply Voltage	V	48(DC)		
Cooling Methodz	-	Water		

Product Features

- 01. Solid-state ultrafast laser
- 02. Infrared,green,UV for options
- 03. Repetition frequency range 400kHz~2000kHz
- 04. Beam quality M²<1.3; pulse width <15ps
- 05. The laser has long life and stable operation
- 06. External control of laser via RS232; integrated design

Typical Application

- Photovoltaic Applications
- Precision Marking
- Transparent Material Processing
- Brittle Material Precision Machining
- Polymer Material Processing and Treatment



Invisible Marking



Black Marking



Film Cutting



Precision Scribing

Solid
Pico-second Laser

Infrared | Green | UV



Product Parameters

Product Model	-	S-90-1064-P1	S-60-532-P1	S-30-355-P1
Optical Characteristics				
Wavelength	nm	1064	532	355
Average Power	W	90(@1MHz)	60(@1MHz)	30(@1MHz)
Beam Quality M²	-	<1.4	<1.3	
Max.Pulse Energy	μJ	200(@0.4MHz)	120(@0.4MHz)	60(@0.4MHz)
Frequency Range	MHz	0.4~2		
Pulse Width (FWHM)	ps	<15		
Beam Diameter (1/e²)	mm	1±0.2		
Spot Ellipticity	%	>90		
Polarization Direction	-	Level	Vertical	Level
Power Instability RMS (8h)	%	<3		
General Characteristics				
Laser Dimension	mm	647*325*132		
Supply Voltage	V	48(DC)		
Cooling Method	-	Water		

Product Features

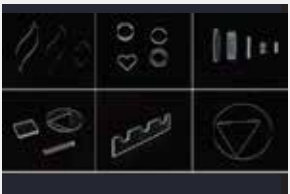
- 01. Solid ultra-fast laser
- 02. Infrared,green,UV for options
- 03. Frequency range 400kHz~2000kHz
- 04. Beam quality M²<1.4; pulse width <15ps
- 05. Long lifetime, high stability
- 06. RS232 external control, all in one structure

Typical Applications

- PV Industry
- Precision Cutting
- Transparent Material Processing
- Brittle Material Precision Machining
- Film Material Processing And Treatment



FPC Cutting



Glass Drilling



Film Cutting



Precision Scribing

Fiber Green Laser

40W-200W



Product Parameters

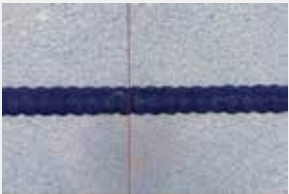
Product Model	-	YFPN-40-GR	YFPN-100-GR	YFPN-200-GR
Optical Characteristics				
Wavelength	nm	532		
Working Mode	-	Pulse		
Average Power	W	40(@300kHz)	100	200(@1400kHz)
Beam Quality M²	-	<1.2		
Max. Pulse Energy	μJ	133	250	200
Frequency Range	kHz	100~1000	100~4000	100~3000
Pulse Width (FWHM)	ns	5±1	5~60	20±2
Spot Diameter	mm	2.5±0.5		
Spot Ellipticity	%	>90		
Fiber Length	m	3		
Power Instability RMS (8h)	%	<5		
General Characteristics				
Laser Dimension	mm	420*318*75		
Isolator Dimension	mm	300*200*107		
Net Weight	kg	<25		
Supply Voltage	V	48(DC)		
Recommended Power Supply	W	600		1200
Cooling Method	-	Water		

Product Features

- 01. Average power 40~200W
- 02. Repetition frequency 100~4000kHz
- 03. Pulse duration 1~60ns
- 04. Max. pulse energy 250μJ
- 05. Pulse string mode
- 06. Maintenance-free

Typical Applications

- Photovoltaic Application
- Glass Drilling
- Laser Micro-engraving
- Precision Engraving



• Perovskite Scribing



• Marking



• Glass Drilling



• Laser Grooving