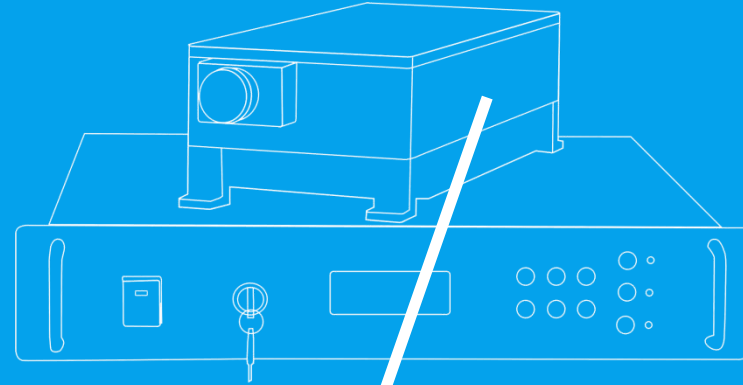


Gainlaser



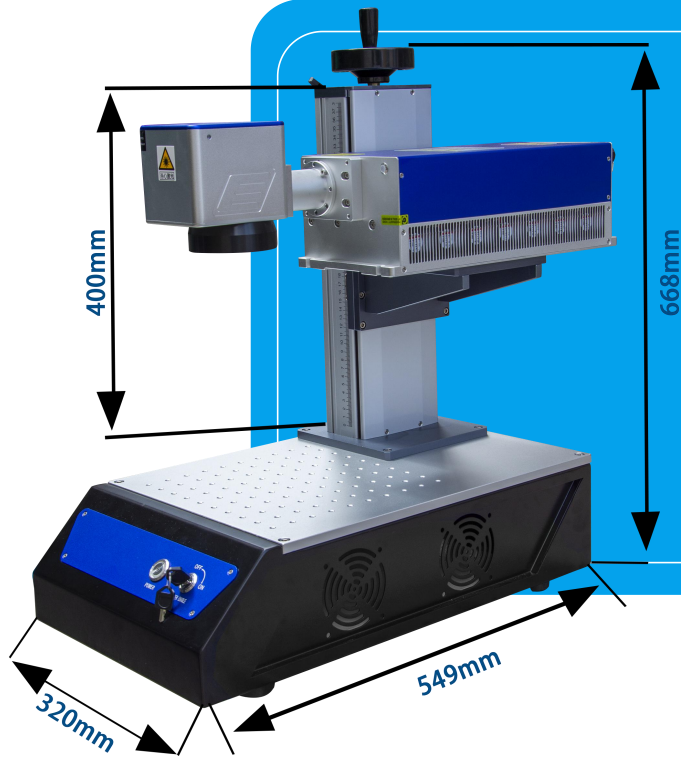
Shenzhen Gainlaser Laser Science And Technology Co., Ltd.

Company Profile

Shenzhen Gainlaser Laser Science And Technology Co., Ltd. is a professional manufacturer of UV laser marking machine, DPSS UV laser, high speed galvanometer scanner and laser marking cabinets in Shenzhen, China. Since 2002 established, our group company has been engaging in laser equipments, all of our products are designed and manufactured by ourselves.

Our R&D team is led by Professor Huang Guobiao, former director of SSL Research Center of HUST university, who developed the first picosecond laser in China. Our company has a 100-class dust-free purification laboratory and production workshop, equipped with complete instruments and equipments for solid-state laser testing and auxiliary production. We owns the independent intellectual property rights, besides our scanning system is suitable for various waveband lasers, including CO2 laser(10600nm), YAG laser(1064nm), green laser(532nm), UV laser(355nm), etc.

We have a complete mechanical processing and sheet metal processing capability, and a high related supporting capability of UV laser machines. We provide a complete after-sales service, which responds to clients' after-sales needs quickly.



Model: GL-M-UV 3/5W Portable Air cooled UV Laser Marker

1. Small size & light weight, portable;
2. Simple and easy operation;
3. Tiny laser spot, hyperfine marking effect;
4. Cold processing method, little thermal deformation;
5. Marking plastics, glass, metal, leather, wood, etc.;
6. High quality wind cooling system;
7. Excellent laser spot quality $M2 < 1.2$;
8. Adopting JCZ board & EZcad2 software;
9. Long lifespan > 30,000 hours.

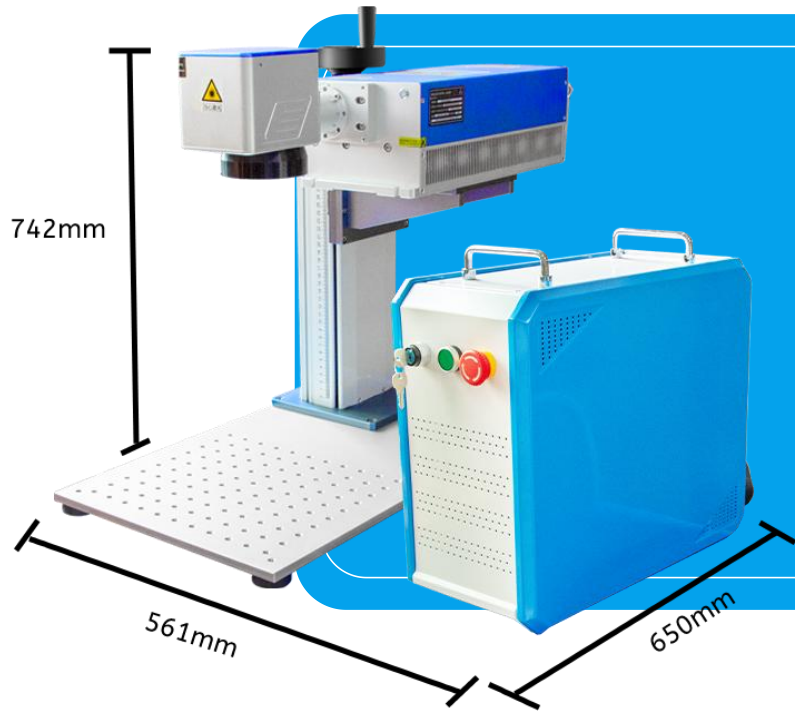


Water Cooled

Application:

Marking 3C electronic plastic case, white appliances, food / medicine packaging, mobile phone toughened membrane electronic components, PCB marking, lucent button keys, wood, leather, acrylic, glass products, etc.

Model	GL-M-UV03	GL-M-UV05
Laser Type	DPSS Ultraviolet (UV)	
Wavelength	355 nm	
Average Power	>3W@30kHz	>5W@40kHz
Pulse Duration	<u><15ns@30kHz</u>	<u><18ns@30kHz</u>
Beam Quality	$M2 < 1.2$	
Frequency Range	1-150kHz	
Spot Diameter	0.7+-0.1mm	0.8+-0.1mm
Marking Field / Lens Size	110*110mm, 160*160mm optional	
Marking Speed	$\leq 7000\text{mm/s}$	
Cooling	Air cooling / Water cooling	
Electricity Demand	220V(110V)/50Hz(60Hz)	
Operative Ambient Air Temp	7°-35°C / 45°-95°F	
Dimensions	L550*W320*H670MM	
Weight	34KGS	
Warranty	1 Year	



09A Serise

Model: GL-M-UV

3/5W Portable Air cooled UV Laser Marker

1. Small size & light weight, portable;
2. Simple and easy operation;
3. Tiny laser spot, hyperfine marking effect;
4. Cold processing method, little thermal deformation;
5. Marking plastics, glass, metal, leather, wood, etc.;
6. High quality wind cooling system;
7. Excellent laser spot quality $M2 < 1.2$;
8. Adopting JCZ board & EZcad2 software;
9. Long lifespan > 30,000 hours.

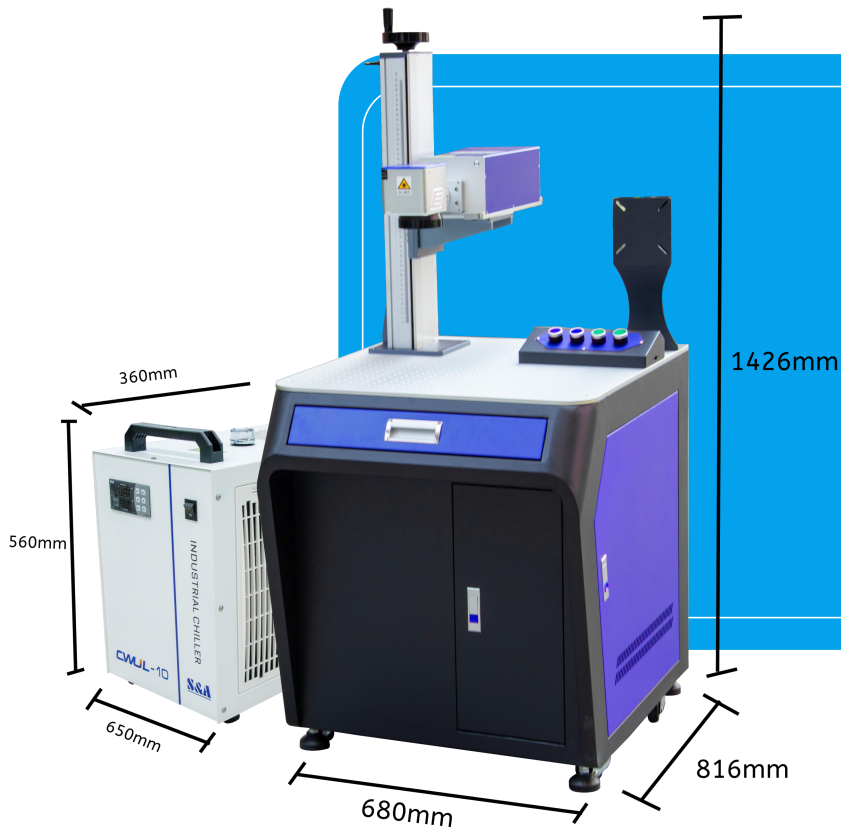


Water Cooled

Application:

Marking 3C electronic plastic case, white appliances, food / medicine packaging, mobile phone toughened membrane electronic components, PCB marking, lucent button keys, wood, leather, acrylic, glass products, etc.

Model	GL-M-UV03	GL-M-UV05
Laser Type	DPSS Ultraviolet (UV)	
Wavelength	355 nm	
Average Power	>3W@30kHz	>5W@40kHz
Pulse Duration	<15ns@30kHz	<18ns@30kHz
Beam Quality	M2<1.2	
Frequency Range	1-150kHz	
Spot Diameter	0.7+-0.1mm	0.8+-0.1mm
Marking Field / Lens Size	110*110mm, 160*160mm optional	
Marking Speed	<=7000mm/s	
Cooling	Air cooling / Water cooling	
Electricity Demand	220V(110V)/50Hz(60Hz)	
Operative Ambient Air Temp	7°-35°C / 45°-95°F	
Dimensions	L561*W650*H742MM	
Weight	50KGS	
Warranty	1 Year	



01N Serise Model: GL-M-P 3/5W UV Laser Marking Machine

1. Stable structure design, mobile wheels;
2. Optional air cooling or water cooling UV laser;
3. Tiny laser spot, hyperfine marking effect;
4. Cold processing method, little thermal deformation;
5. Marking plastics, glass, metal, leather, wood, etc.;
6. High quality wind cooling system;
7. Excellent laser spot quality $M2 < 1.2$;
8. Adopting JCZ board & EZcad2 software;
9. Long lifespan > 30,000 hours.

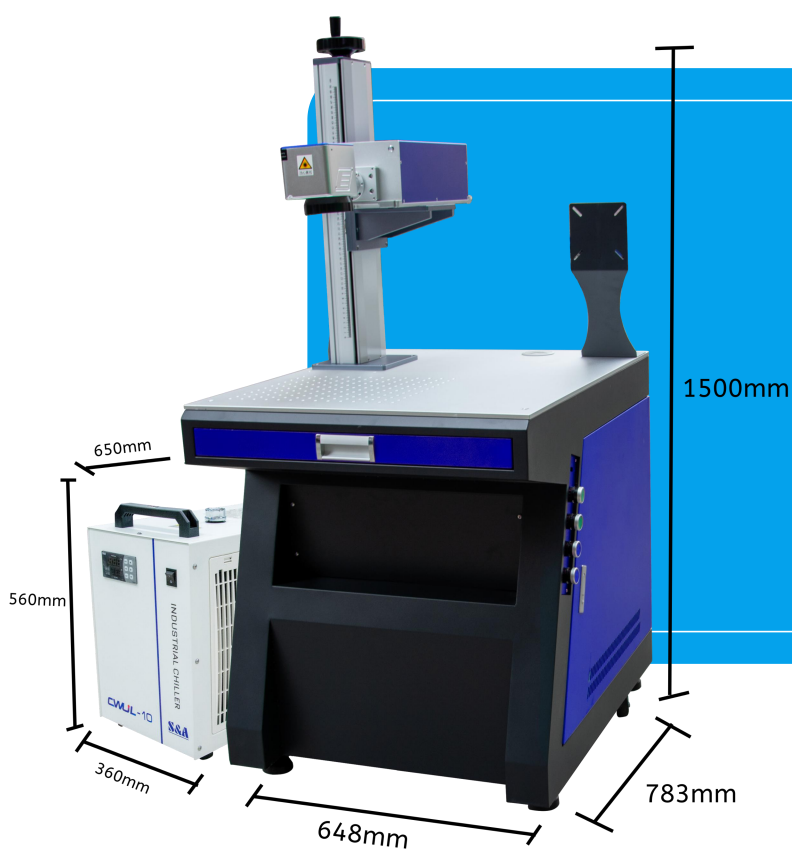


Air Cooled

Application:

Marking 3C electronic plastic case, white appliances, food / medicine packaging, mobile phone toughened membrane electronic components, PCB marking, lucent button keys, wood, leather, acrylic, glass products, etc.

Model	GL-M-P03	GL-M-P05	GL-M-P10
Laser Type	DPSS Ultraviolet (UV)		
Wavelength	355 nm		
Average Power	>3W@30kHz	>5W@40kHz	>10W@40kHz
Pulse Duration	<15ns@30kHz	<18ns@30kHz	<20ns@40kHz
Beam Quality	$M2 < 1.2$		
Frequency Range	1-150kHz		
Spot Diameter	0.7+-0.1mm	0.8+-0.1mm	0.8+-0.1mm
Marking Field / Lens Size	110*110mm, 175*175mm etc. optional		
Marking Speed	≤ 7000 mm/s		
Cooling	Air cooling / Water cooling		
Electricity Demand	220V(110V)/50Hz(60Hz)		
Operative Ambient Air Temp	7°-35°C / 45°-95°F		
Dimensions	L650*W750*H1502 MM		
Weight	120KGS		
Warranty	1 Year		



03N Serise Model: GL-M-P 3/5W UV Laser Marking Machine

1. Stable structure design, mobile wheels;
2. Optional air cooling or water cooling UV laser;
3. Tiny laser spot, hyperfine marking effect;
4. Cold processing method, little thermal deformation;
5. Marking plastics, glass, metal, leather, wood, etc.;
6. High quality wind cooling system;
7. Excellent laser spot quality $M2 < 1.2$;
8. Adopting JCZ board & EZcad2 software;
9. Long lifespan > 30,000 hours.

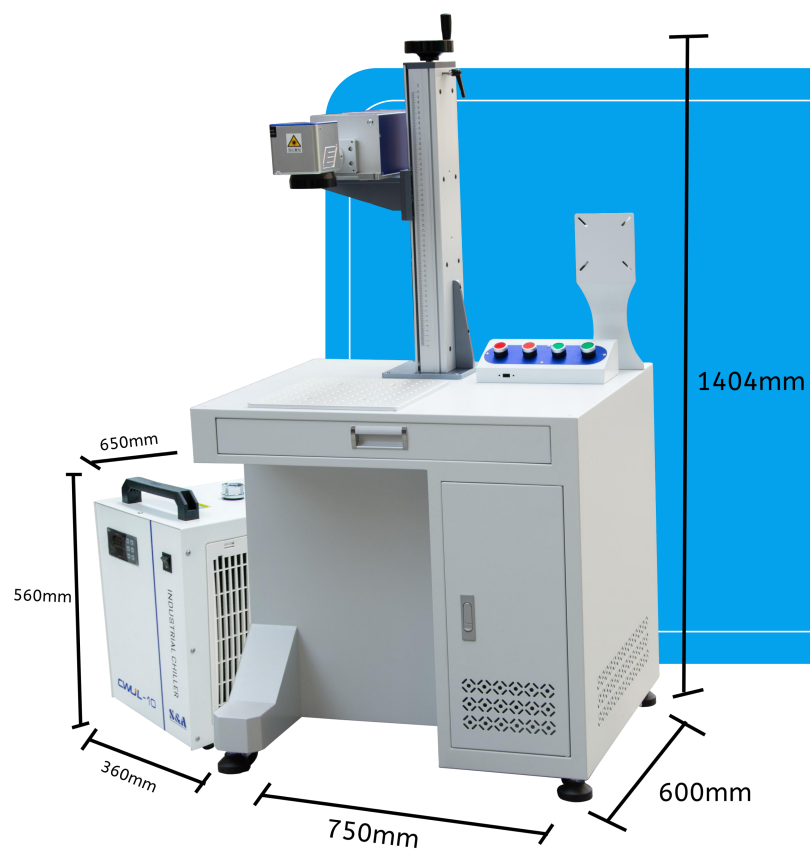


Air Cooled

Application:

Marking 3C electronic plastic case, white appliances, food / medicine packaging, mobile phone toughened membrane electronic components, PCB marking, lucent button keys, wood, leather, acrylic, glass products, etc.

Model	GL-M-P03	GL-M-P05	GL-M-P10
Laser Type	DPSS Ultraviolet (UV)		
Wavelength	355 nm		
Average Power	>3W@30kHz	>5W@40kHz	>10W@40kHz
Pulse Duration	<15ns@30kHz	<18ns@30kHz	<20ns@40kHz
Beam Quality	$M2 < 1.2$		
Frequency Range	1-150kHz		
Spot Diameter	0.7+-0.1mm	0.8+-0.1mm	0.8+-0.1mm
Marking Field / Lens Size	110*110mm, 175*175mm etc. optional		
Marking Speed	≤ 7000 mm/s		
Cooling	Air cooling / Water cooling		
Electricity Demand	220V(110V)/50Hz(60Hz)		
Operative Ambient Air Temp	7°-35°C / 45°-95°F		
Dimensions	L648*W800*H1502 MM		
Weight	120KGS		
Warranty	1 Year		



04A Serise Model: GL-M-P 3/5W UV Laser Marking Machine

1. Stable structure design, mobile wheels;
2. Optional air cooling or water cooling UV laser;
3. Tiny laser spot, hyperfine marking effect;
4. Cold processing method, little thermal deformation;
5. Marking plastics, glass, metal, leather, wood, etc.;
6. High quality wind cooling system;
7. Excellent laser spot quality $M2 < 1.2$;
8. Adopting JCZ board & EZcad2 software;
9. Long lifespan > 30,000 hours.



Air Cooled

Application:

Marking 3C electronic plastic case, white appliances, food / medicine packaging, mobile phone toughened membrane electronic components, PCB marking, lucent button keys, wood, leather, acrylic, glass products, etc.

Model	GL-M-P03	GL-M-P05	GL-M-P10
Laser Type	DPSS Ultraviolet (UV)		
Wavelength	355 nm		
Average Power	>3W@30kHz	>5W@40kHz	>10W@40kHz
Pulse Duration	<15ns@30kHz	<18ns@30kHz	<20ns@40kHz
Beam Quality	$M2 < 1.2$		
Frequency Range	1-150kHz		
Spot Diameter	0.7+-0.1mm	0.8+-0.1mm	0.8+-0.1mm
Marking Field / Lens Size	110*110mm, 175*175mm etc. optional		
Marking Speed	≤ 7000 mm/s		
Cooling	Air cooling / Water cooling		
Electricity Demand	220V(110V)/50Hz(60Hz)		
Operative Ambient Air Temp	7°-35°C / 45°-95°F		
Dimensions	L750*W600*H1404 MM		
Weight	120KGS		
Warranty	1 Year		



06N Serise

Model: GL-M-P

3/5W UV Laser Marking Machine

1. Full enclosed structure design, mobile wheels;
2. Optional air cooling or water cooling UV laser;
3. Tiny laser spot, hyperfine marking effect;
4. Cold processing method, little thermal deformation;
5. Marking plastics, glass, metal, leather, wood, etc.;
6. High quality wind cooling system;
7. Excellent laser spot quality $M2 < 1.2$;
8. Adopting JCZ board & EZcad2 software;
9. Long lifespan > 30,000 hours.

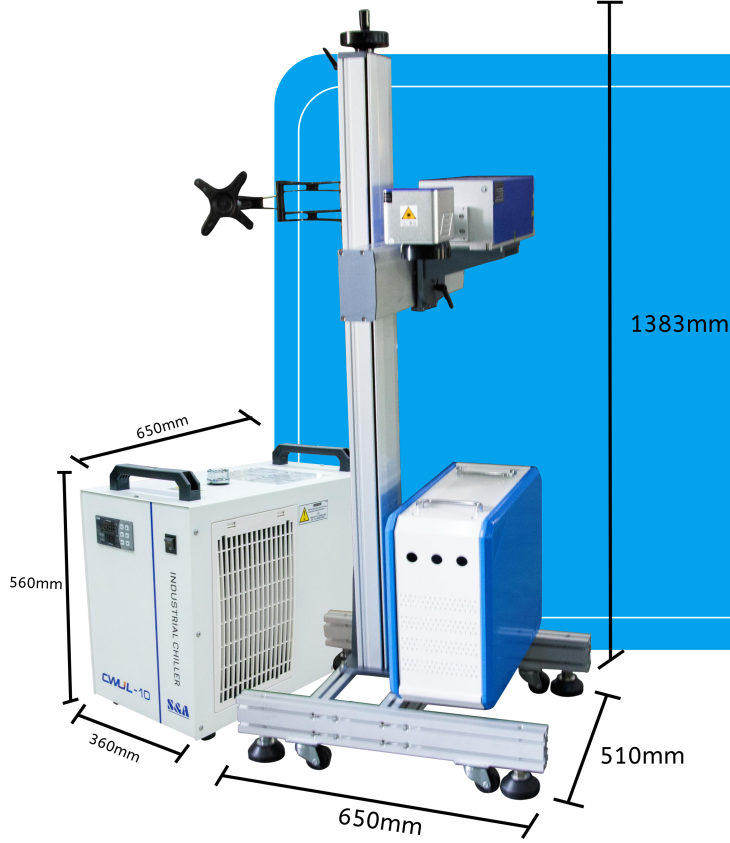


Water Cooled

Application:

Marking 3C electronic plastic case, white appliances, food / medicine packaging, mobile phone toughened membrane electronic components, PCB marking, lucent button keys, wood, leather, acrylic, glass products, etc.

Model	GL-M-P03	GL-M-P05	GL-M-P10
Laser Type	DPSS Ultraviolet (UV)		
Wavelength	355 nm		
Average Power	>3W@30kHz	>5W@40kHz	>10W@40kHz
Pulse Duration	<15ns@30kHz	<18ns@30kHz	<20ns@40kHz
Beam Quality	M2<1.2		
Frequency Range	1-150kHz		
Spot Diameter	0.7+/-0.1mm	0.8+/-0.1mm	0.8+/-0.1mm
Marking Field / Lens Size	110*110mm, 175*175mm etc. optional		
Marking Speed	<=7000mm/s		
Cooling	Air cooling / Water cooling		
Electricity Demand	220V(110V)/50Hz(60Hz)		
Operative Ambient Air Temp	7°-35°C / 45°-95°F		
Dimensions	L775*W900*H1630 MM		
Weight	200KGS		
Warranty	1 Year		



Model: GL-M-N 3/5W Flying UV Laser Marking Machine

1. Flying marking design, high speed marking;
2. Conveyor system, automatic quantity production;
3. Optional air cooling or water cooling UV laser;
4. Tiny laser spot, hyperfine marking effect;
5. Cold processing method, little thermal deformation;
6. Marking plastics, glass, metal, leather, wood, etc.;
7. High quality wind cooling system;
8. Excellent laser spot quality $M2 < 1.5$;
9. Adopting JCZ board & EZcad2 software;
10. Long lifespan > 30,000 hours.



Air Cooled

Application:

Marking 3C electronic plastic case, white appliances, food / medicine packaging, mobile phone toughened membrane electronic components, PCB marking, lucent button keys, wood, leather, acrylic, glass products, etc.

Model	GL-M-N05	GL-M-N10
Laser Type	DPSS Ultraviolet (UV)	
Wavelength	355 nm	
Average Power	>5W@40kHz	>10W@40kHz
Pulse Duration	<18ns@30kHz	<20ns@40kHz
Beam Quality	$M2 < 1.2$	
Frequency Range	1-150kHz	
Spot Diameter	0.7+-0.1mm	0.8+-0.1mm
Marking Field / Lens Size	110*110mm, 160*160mm optional	
Marking Speed	≤ 7000 mm/s	
Cooling	Air cooling / Water cooling	
Electricity Demand	220V(110V)/50Hz(60Hz)	
Operative Ambient Air Temp	7°-35°C / 45°-95°F	
Dimensions	L450*W450*H1400 MM	
Weight	100KGS	
Warranty	1 Year	

UV Laser Marking Samples



Plastic Case Marking



Lucent Button / Tempered Membrane Marking



Acrylic / Cable Marking



Glass Marking & Glass Sandblasting Effect



Glass Cup Marking

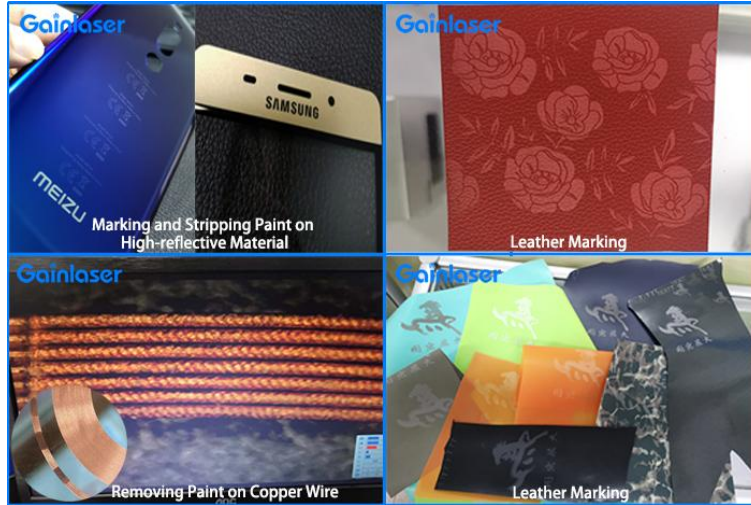


Gobo Glass Multiple Color Marking

UV Laser Marking Samples



Removing Paint on Glass Bottle



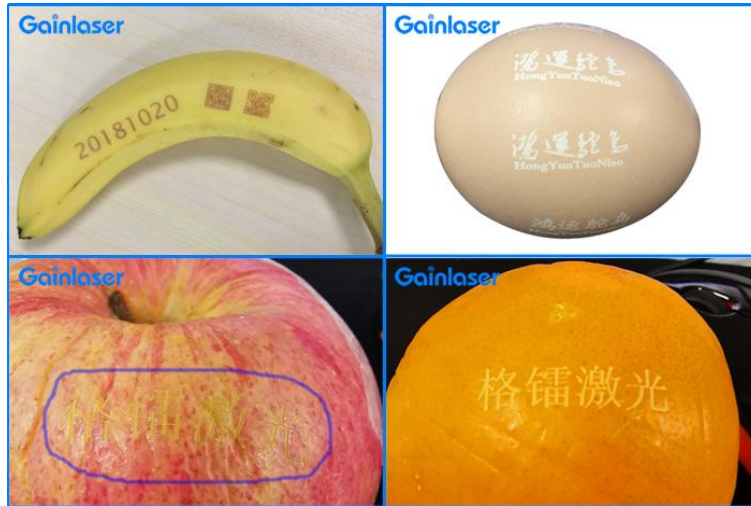
Leather/ High Reflective Material Marking



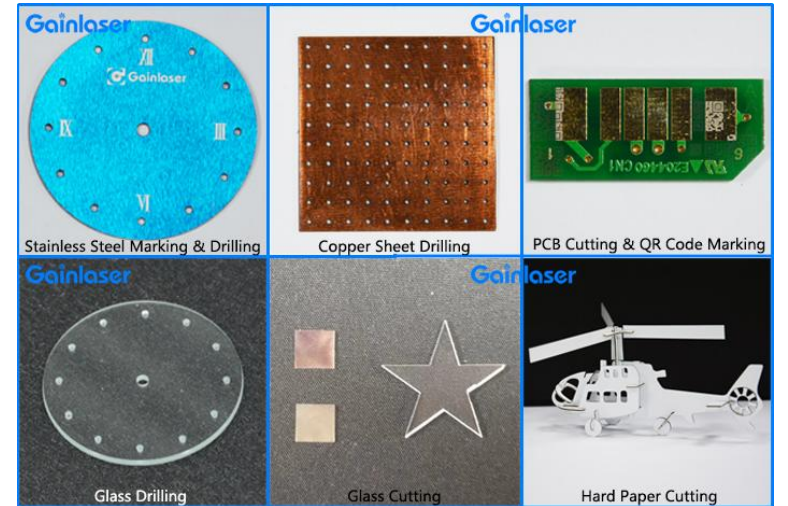
Ceramics Marking



Wood Surface Marking & Deep Engraving



Fruits & Egg Marking



Metal / Glass Drilling & Cutting



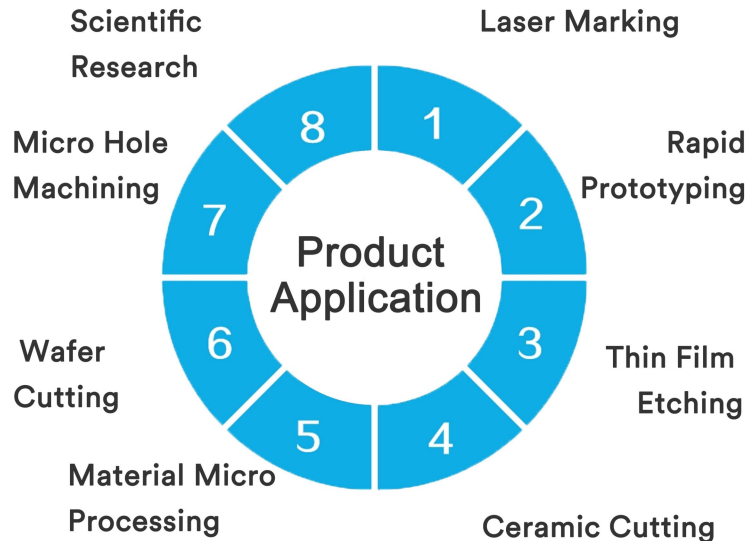
Net Weight 8KG, L360*W155*H120mm

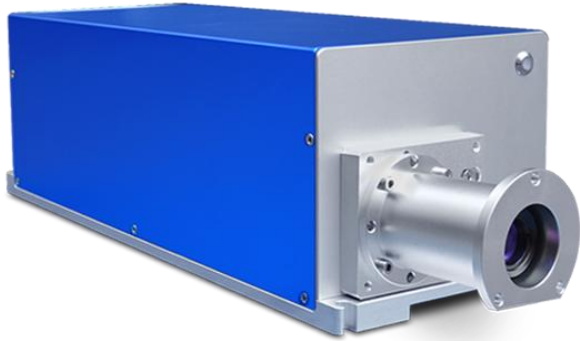
DPSS Air Cooling Laser

1. Small size, light weight, very portable;
2. Adopting imported pump source, like Nlight, Coherent;
3. Excellent laser spot quality $M2 < 1.5$;
4. Wind cooling system, including 7 fans & aluminum profile;
5. Meeting 7/24 industrial production requirements;
6. Long lifespan > 30,000 hours;
7. 12 months warranty.

Technical Parameter

Type	UV Laser		Green Laser		Infrared Laser	
Model	GL-AC-UV03	GL-AC-UV05	GL-AC-GR07	GL-AC-GR12	GL-AC-IR10	GL-AC-IR15
Wavelength	355nm	355nm	532nm	532nm	1064nm	1064nm
Output Power	>3W@30KHz	>5W@40KHz	>7W@50KHz	>12W@50KHz	>10W@CW	>15W@CW
Max Pulse Energy	0.1mJ@30KHz	0.12mJ@40KHz	0.14mJ@50KHz	0.24mJ@50KHz	0.25mJ@30KHz	0.4mJ@30KHz
Pulse Repetitive Frequency	1-150KHz	1-150KHz	1-150KHz	1-150KHz	1-150KHz	1-150KHz
Pulse Duration	<15ns@30KHz	<18ns@40KHz	<20ns@50KHz	<20ns@50KHz	<15ns@30KHz	<15ns@30KHz
Average Power Stability	<3%	<3%	<3%	<3%	<3%	<3%
Spatial Mode	TEM00(M2<1.5)	TEM00(M2<1.5)	TEM00(M2<1.5)	TEM00(M2<1.5)	TEM00(M2<1.5)	TEM00(M2<1.5)
Polarization Ratio	>100:1 Horizontal	>100:1 Horizontal	>100:1 Vertical	>100:1 Vertical	>100:1 Horizontal	>100:1 Horizontal
1/e2 Spot Diameter at Outlet	0.7mm	0.8mm	0.7mm	0.8mm	0.7mm	0.8mm
Laser Spot Roundness	>90%	>90%	>90%	>90%	>90%	>90%





Net Weight 7KG, L374*W142*H125mm

DPSS Water Cooling Laser

1. Small size, light weight, very portable;
2. Adopting imported pump source, like Nlight, Coherent;
3. Excellent laser spot quality $M2 < 1.5$;
4. Water cooling system, high heat resistance;
5. Meeting 7/24 industrial production requirements;
6. Long lifespan $> 30,000$ hours;
7. 12 months warranty.

Technical Parameter

Type	UV Laser		Green Laser		Infrared Laser	
Model	GL-WC-UV03	GL-WC-UV05	GL-WC-GR07	GL-WC-GR12	GL-WC-IR10	GL-WC-IR15
Wavelength	355nm	355nm	532nm	532nm	1064nm	1064nm
Output Power	$>3W@30KHz$	$>5W@40KHz$	$>7W@50KHz$	$>12W@50KHz$	$>10W@CW$	$>15W@CW$
Max Pulse Energy	0.1mJ@30KHz	0.12mJ@40KHz	0.14mJ@50KHz	0.24mJ@50KHz	0.25mJ@30KHz	0.4mJ@30KHz
Pulse Repetitive Frequency	1-150KHz	1-150KHz	1-150KHz	1-150KHz	1-150KHz	1-150KHz
Pulse Duration	$<15ns@30KHz$	$<18ns@40KHz$	$<20ns@50KHz$	$<20ns@50KHz$	$<15ns@30KHz$	$<15ns@30KHz$
Average Power Stability	$<3\%$	$<3\%$	$<3\%$	$<3\%$	$<3\%$	$<3\%$
Spatial Mode	TEM00($M2 < 1.5$)	TEM00($M2 < 1.5$)	TEM00($M2 < 1.5$)	TEM00($M2 < 1.5$)	TEM00($M2 < 1.5$)	TEM00($M2 < 1.5$)
Polarization Ratio	$>100:1$ Horizontal	$>100:1$ Horizontal	$>100:1$ Vertical	$>100:1$ Vertical	$>100:1$ Horizontal	$>100:1$ Horizontal
1/e2 Spot Diameter at Outlet	0.7mm	0.8mm	0.7mm	0.8mm	0.7mm	0.8mm
Laser Spot Roundness	$>90\%$	$>90\%$	$>90\%$	$>90\%$	$>90\%$	$>90\%$

Scientific Research

Laser Marking

Rapid Prototyping

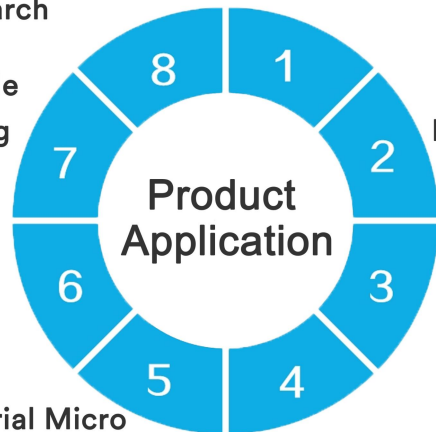
Thin Film Etching

Ceramic Cutting

Micro Hole Machining

Wafer Cutting

Material Micro Processing



Gainlaser



Net weight:10KG

L581*W165*H127mm

All in one Water Cooling Laser

1. Integrated Laser and Galvanometer;
2. Small size, light weight, very portable;
3. Adopting imported pump source, like Nlight, Coherent;
4. Excellent laser spot quality $M2 < 1.2$;
5. Water cooling system, high heat resistance;
6. Meeting 7/24 industrial production requirements;
7. Long lifespan $> 30,000$ hours;
8. 12 months warranty.

Technical Parameter

Type	UV Laser	
Model	GL-INWC-UV03	GL-INWC-UV05
Wavelength	355nm	355nm
Output Power	$> 3W@30KHz$	$> 5W@40KHz$
Max Pulse Energy	$0.1mJ@30KHz$	$0.12mJ@40KHz$
Pulse Repetitive Frequency	1-150KHz	1-150KHz
Pulse Duration	$< 15ns@30KHz$	$< 18ns@40KHz$
Average Power Stability	$< 3\%$	$< 3\%$
Spatial Mode	TEM00($M2 < 1.2$)	TEM00($M2 < 1.2$)
Polarization Ratio	$> 100:1$ Horizontal	$> 100:1$ Horizontal
1/e2 Spot Diameter at Outlet	0.7mm	0.8mm
Laser Spot Roundness	$> 90\%$	$> 90\%$
Warm-up time	$< 15min$	$< 15min$
Storage Temperature	$-10^{\circ}C \sim 50^{\circ}C$	$-10^{\circ}C \sim 50^{\circ}C$

Scientific Research

Laser Marking

Micro Hole Machining

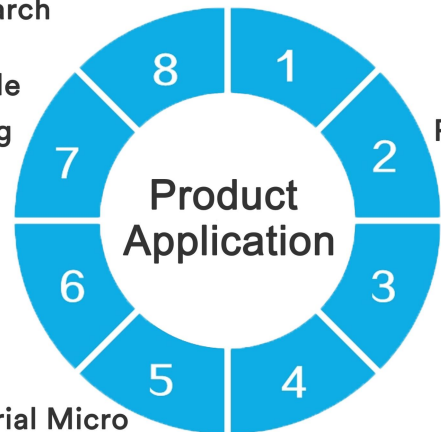
Rapid Prototyping

Wafer Cutting

Thin Film Etching

Material Micro Processing

Ceramic Cutting



Gainlaser



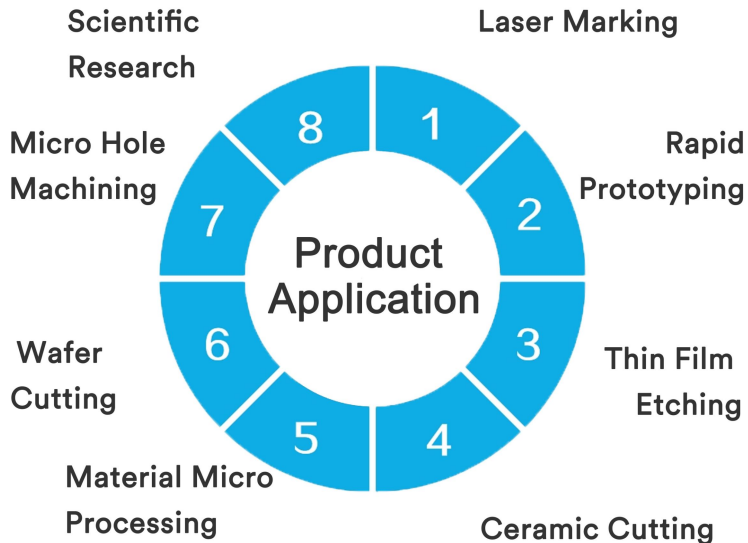
Net Weight:10 KG L480*W140*H125mm

DPSS Water Cooling Laser

1. Small size, light weight, very portable;
2. Adopting imported pump source, like Nlight, Coherent;
3. Excellent laser spot quality $M2 < 1.2$;
4. Water cooling system, high heat resistance;
5. Meeting 7/24 industrial production requirements;
6. Long lifespan > 30,000 hours;
7. 12 months warranty.

Technical Parameter

Type	UV Laser		
Model	GL-POWC-UV05	GL-POWC-UV07	GL-POWC-UV10
Wavelength	355nm	355nm	355nm
Output Power	>5W@10KHz	>7W@40KHz	>10W@40KHz
Max Pulse Energy	0.5mJ@10KHz	0.16mJ@40KHz	0.25mJ@40KHz
Pulse Repetitive Frequency	1-100KHz	1-150KHz	1-150KHz
Pulse Duration	<20ns@10KHz	<20ns@40KHz	<20ns@40KHz
Average Power Stability	<3%	<3%	<3%
Spatial Mode	TEM00(M2<1.2)	TEM00(M2<1.2)	TEM00(M2<1.2)
Polarization Ratio	>100:1 Horizontal	>100:1 Horizontal	>100:1 Horizontal
1/e2 Spot Diameter at Outlet	0.8mm	0.8mm	0.8mm
Laser Spot Roundness	>90%	>90%	>90%
Warm-up time	<15min	<15min	<15min
Storage Temperature	-10°C~50°C	-10°C~50°C	-10°C~50°C



Gainlaser



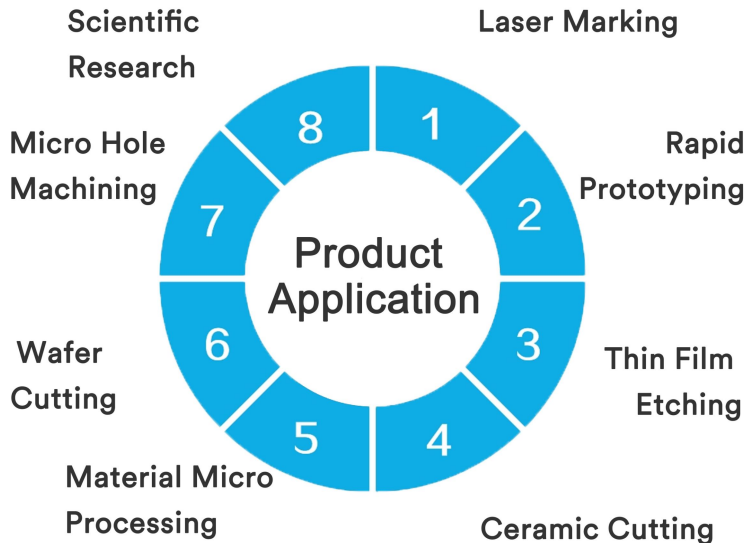
Net Weight: 10 KG L365*W150*H260mm

DPSS Air Cooling Laser

1. Small size, light weight, very portable;
2. Adopting imported pump source, like Nlight, Coherent;
3. Excellent laser spot quality $M2 < 1.2$;
4. Water cooling system, high heat resistance;
5. Meeting 7/24 industrial production requirements;
6. Long lifespan $> 30,000$ hours;
7. 12 months warranty.

Technical Parameter

Type	Green Laser
Model	GL-LPAC-03
Wavelength	532nm
Output Power	$> 3W@3KHz$
Max Pulse Energy	$1mJ@3KHz$
Pulse Repetitive Frequency	1-50KHz
Pulse Duration	$< 15ns@3KHz$
Average Power Stability	$< 3\%$
Spatial Mode	TEM00($M2 < 1.2$)
Polarization Ratio	$> 100:1$ Horizontal
1/e2 Spot Diameter at Outlet	0.7mm
Laser Spot Roundness	$> 90\%$
Warm-up time	$< 15min$
Storage Temperature	$-10^{\circ}C \sim 50^{\circ}C$



Gainlaser



Net Weight:25KG

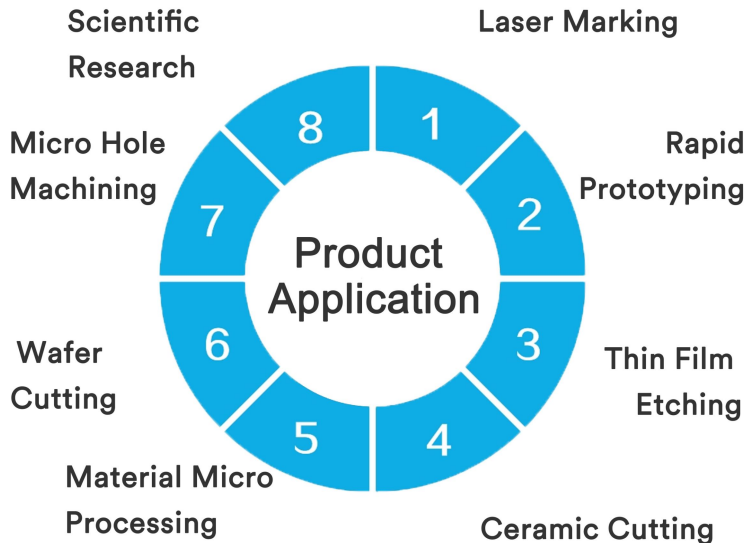
L200*W520*H210mm

DPSS Water Cooling Laser

1. Gaussian Beam profile and long term stability;
2. Adopting imported pump source, like Nlight, Coherent;
3. Excellent laser spot quality $M2 < 1.2$;
4. Water cooling system, high heat resistance;
5. Meeting 7/24 industrial production requirements;
6. Long lifespan $> 30,000$ hours;
7. 12 months warranty.
8. Suitable for plastic, glass, aluminum, stainless steel, metal etc.

Technical Parameter

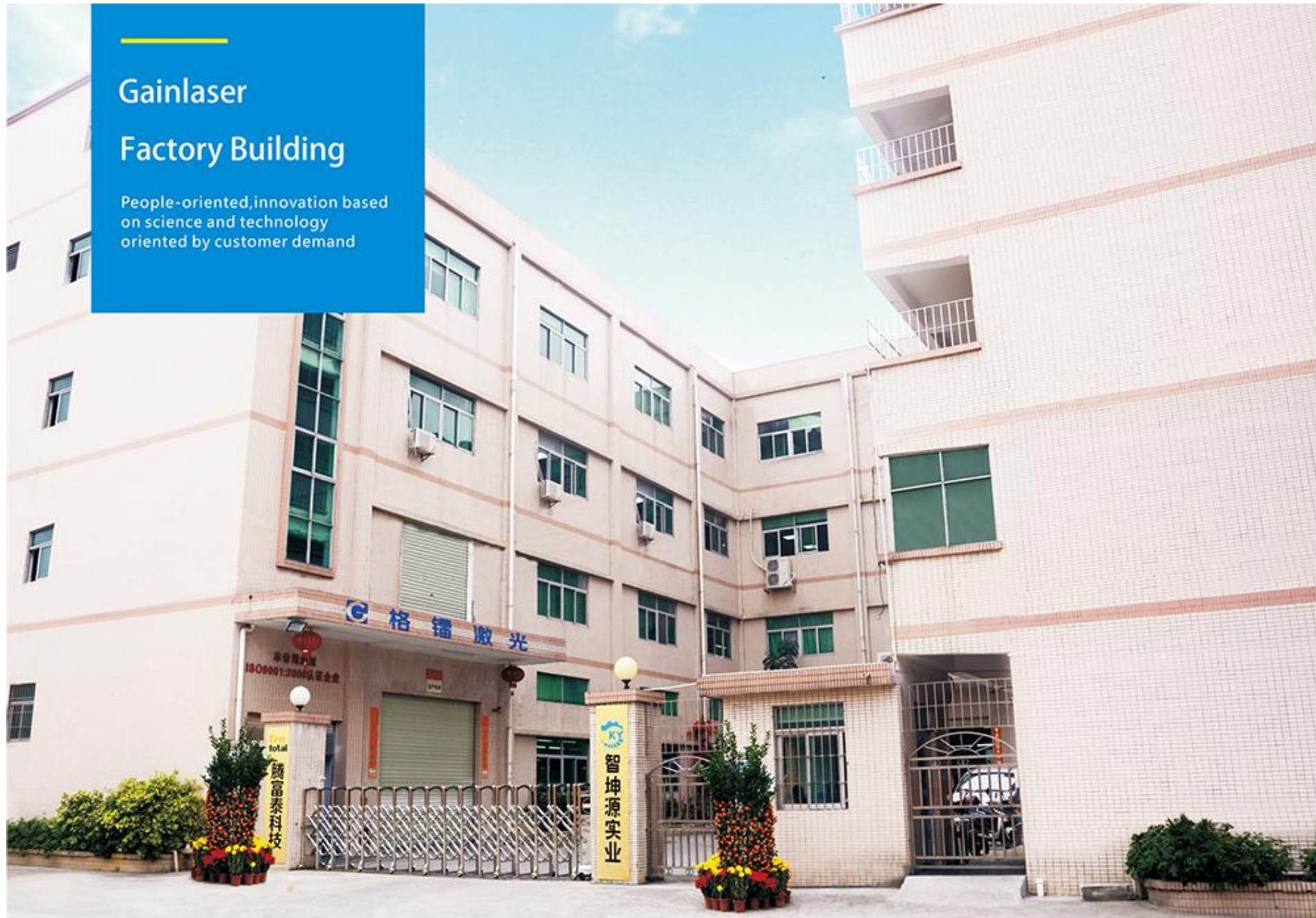
Type	Infrared Picosecond Laser
Model	GL-INWC-IP
Wavelength	1064nm
Output Power	$> 10W@500KHz$
Max Pulse Energy	$20\mu J@500KHz$
Pulse Repetitive Frequency	100-1000KHz
Pulse Duration	$< 15ps$
Average Power Stability	$< 3\%$
Spatial Mode	TEM00($M2 < 1.2$)
Polarization Ratio	$> 100:1$ Horizontal
1/e2 Spot Diameter at Outlet	2mm
Laser Spot Roundness	$> 90\%$
Warm-up time	$< 15min$
Storage Temperature	$-10^{\circ}C \sim 50^{\circ}C$



Gainlaser

Factory Building

People-oriented, innovation based
on science and technology
oriented by customer demand





Supplier's Company



Welcome to Gainlaser.



100-Class Dust-free Purification Workshop



Main Parts Are Manufactured by Our Company



QUALITY FIRST

Professional Equipments & Instruments





Supplier's Company

Cleanroom warehouse

Fully stocked



Alibaba.com

Supplier's Company



Supplier's Associate Company



CNC Machining Center
The production workshop

THANK YOU

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