



# GEM Dragon Series 3D Laser Engraving Machine

Dragon I , Dragon Pro, Dragon III



## GEM LASER LIMITED

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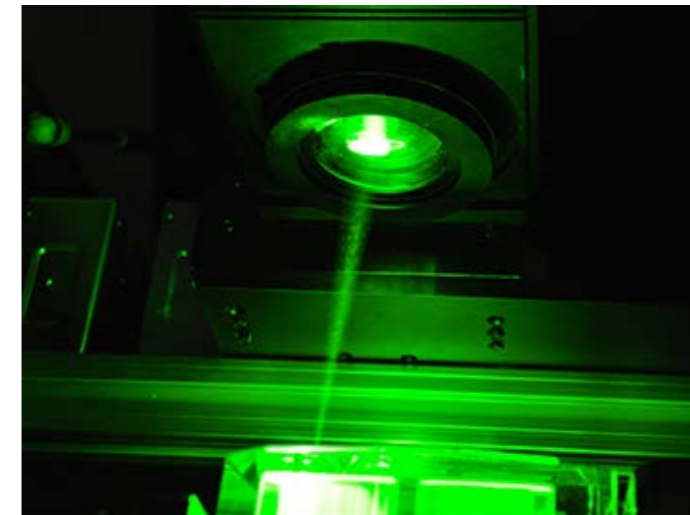
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GEM LASER CO.,LIMITED



## Product Advantage



Simple operation, seamless blocking, high speed, mass production

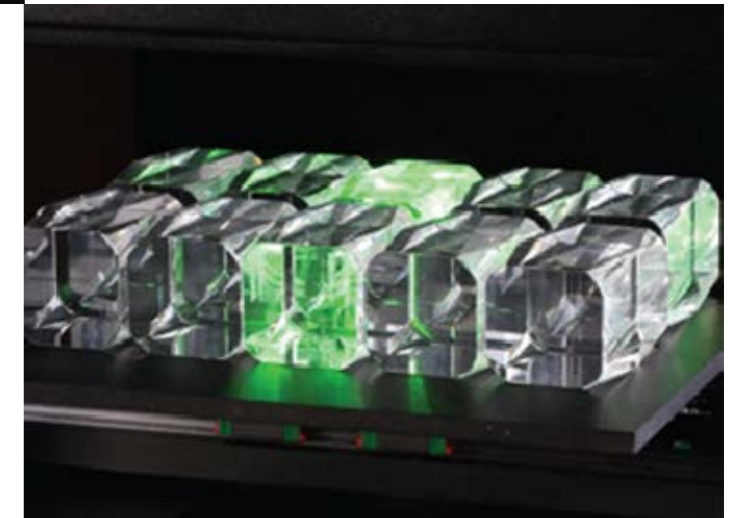
## OVERVIEW

GEM 3D Dragon series 3D laser engraving machine is specially designed for mass production demand. Its innovative high engraving speed and large engraving range reduce the engraving time by more than 50%. Its automatic mass production process is an unattended operation and thus greatly improves the work efficiency as well.

## APPLICATIONS




Glass laser finishing products has a wide application, and it can be used in 2D/3D Laser Sub-surface Engraving for all the area of glass decoration, glass furniture, glass painting, glass photo, etc.

Focus on group order, mass production business



Suitable for high speed batch production of crystal and glass products, ideal choice for crystal factories or wholesalers, etc.

## SPECIFICATIONS

Model			
	Argus I	Argus Pro	Argus III
Laser	Diode pumped laser 532 nm	Diode pumped laser 532 nm	Diode pumped laser 532 nm
Diode life	20,000 hours	20,000 hours	20,000 hours
Maximum engraving range(mm)	320*320*100mm	320*450*100mm	300*400*100mm
Point distance(mm)	0.07-0.12mm	0.07-0.12mm	0.07-0.12mm
Point size(μm)	40-80μm	40-80μm	40-80μm
Maximum engraving speed	4000 points/second	5000 points/second	4000 points/second
Resolution	800dpi	800dpi	800dpi
Mass production	YES	YES	YES
Accuracy(X,Y,Z axes)	0.02mm/300mm	0.02mm/300mm	0.02mm/300mm
Repositioning Accuracy(X,Y,Z axes)	<3μm/300mm	<3μm/300mm	<3μm/300mm
Power consumption	500 W	500 W	500 W
Equipment Dimension before packing	812mm*745mm*885 mm(L*W*H)	1120mm*880mm*1000mm(L*W*H)	1020*750*950mm(L*W*H)
Equipment Dimension after packing	990mm*950mm*1400mm(L*W*H)	1300mm*1100mm*1500mm(L*W*H)	1200*1000*1450mm(L*W*H)
Machine weight before packing	167Kg	200Kg	160KG

Cooling system	air cooling system	air cooling system	air cooling system
Working environment	15°C~30°C	15°C~30°C	15°C~30°C
Humidity	less than 85%, no dew	less than 85%, no dew	less than 85%, no dew
Air	clean, noncorrosive	clean, noncorrosive	clean, noncorrosive
Operating system	Windows 2000、Windows XP、win7 32bit	Windows 2000、Windows XP、win7 32bit	Windows 2000、Windows XP、win7 32bit
Voltage and current	100-240VAC,5A	100-240VAC,5A	100-240VAC,5A
Voltage fluctuation of power supply	<10%	<10%	<10%
Frequency	50/60HZ	50/60HZ	50/60HZ
Power grid and ground wire	In accordance with the international machinery requirements	In accordance with the international machinery requirements	In accordance with the international machinery requirements
Processing material	crystal, glass, etc	crystal, glass, etc	crystal, glass, etc
Single engraving range	70*80mm, oval	70*80mm, oval	70*80mm, oval