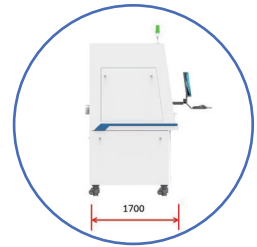
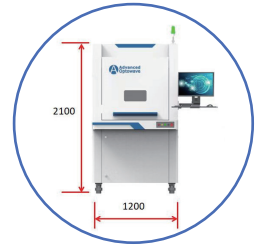


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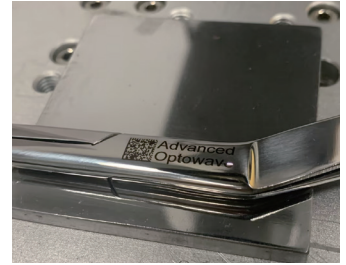
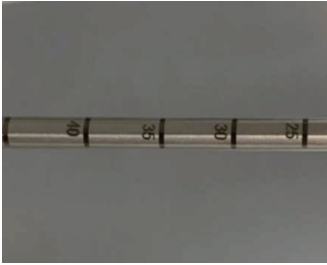
Ultrafast laser engraving, cutting, and drilling system for medical device



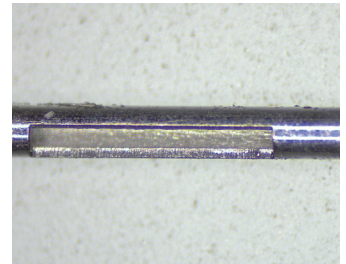
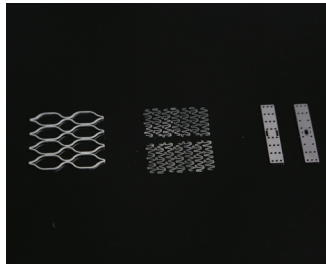
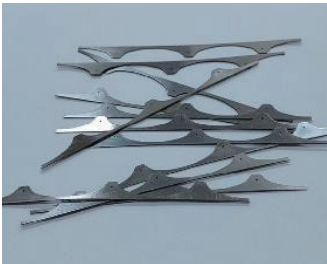
System Advantages ▶

- ››› Compatible with various types of ultra fast lasers
- ››› Customized clamping and auxiliary fixtures
- ››› Integrated CCD positioning and barcode reading function
- ››› Open workspace compatible with multi-axis configuration
- ››› Customizable loading and unloading positions
- ››› Integrated software compatible with terminal systems

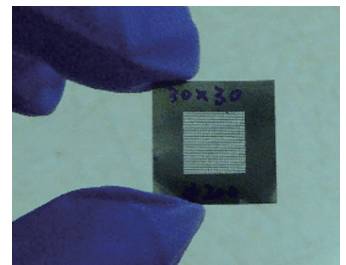
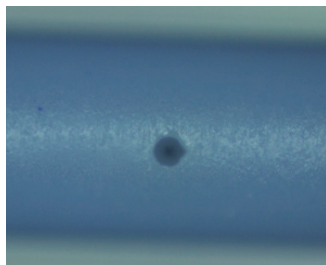
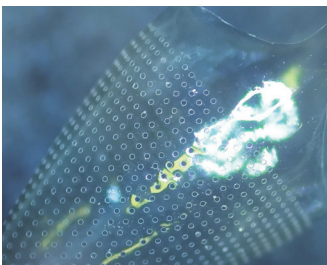
Application case - Engraving



Application case - Cutting



Application case - Drilling



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System Parameters

Laser source	Femtosecond laser		Picosecond laser		
Laser wavelength	1030nm	515nm	1064nm	532nm	355nm
Laser power	5w~20w	2w~10w	10w~60w	5w~30w	2w~20w
Pulse width	<800fs		<12ps		
Frequency	100KHz~1000KHz				
Maximum processing area	300mm×300mm				
Galvoscaner range	50mm×50mm~300mm×300mm				
Positioning method	Coaxial visual positioning				
System processing accuracy	±20um				
CCD positioning accuracy	±15um				
XY axes Repeatability accuracy	±0.002mm				
Z-axsi positioning accuracy	±0.005mm				
Air pressure	0.5MPa~0.7MPa				
Power supply	220V single-phase/50Hz				
Cooling methods	Water cooled				
Maximum outer dimension	1200mm×1700mm×2100mm				
Stage weight	750KG				
Ambient temperature	23°C±2°C				
Ambient humidity	<70% RH without condensation				