

## Ultra-galvo Scanner

The galvanometer scanner laser using photoelectric sensor as feedback system is characterized by high repetition accuracy and linearity, and high cost performance. Mirror coating film selection is rich, UV, green light, optical fiber, CO2 and other coating options, strict lens quality testing to ensure the requirements of lens flatness and damage threshold, photoelectric mirror is widely used in galvo laser welding, flight marking, precision marking, precision cutting, and other industries.





## Key Features Of Ultra-galvo Scanner

- Through kinematics and dynamics simulation, the mirror with certain inertia is matched for each galvanometer. Moreover, the rotor of the galvanometer has been optimized and has excellent dynamic properties and response characteristics.
- In addition, high precision miniature bearing axial preloads ensure high rigidity and low friction operation, and special attention is paid to bearing life.
- Photoelectric galvanometer is a kind of galvanometer which uses photoelectric sensor as feedback system. It is characterized by high repetition accuracy and linearity, and high cost performance.
- [Galvanometer scanning mirror](#) is available for common laser wavelengths and energy levels. Moreover, all the mirrors are optimized to take into account the inertial load, rigidity and flatness of the lenses.
- Photoelectric galvanometer is widely used in flight marking, precision marking, precision cutting, precision welding and other industries.

## Specifications of Ultra-galvo Scanner

Photoelectric Galvanometer	XXXS	XXS	XS	S	M	L	XL
Input Beam Aperture (mm)	<7	7	8.5	10	14	20-30	50-80
Moment Of Inertia (g•cm <sup>2</sup> )	0.013	0.018	0.174	0.34	1.2	5.1	14.3
Force Constant (N•mm/A)	1.2	2.7	5.3	7.5	15	24	35
Coil Resistance (Ω)	2.1	3.6	2.1	2.7	2.6	1.58	0.9
Coil Inductance (μH)	35	70	63.5	165	275	300	343
Maximum Continuous Current (A)	2.3	2.3	2.3	2.5	3.5	5	7
Peak Current (A)	6	8	10	10	10	10	10
Rise Time(ms)	0.13	0.10	0.15	0.18	0.3	0.7	1.5
Weight(g)	13	18	50	220	300	400	460

## Galvanometer Application

- Laser Marking
- Laser Welding
- Laser Drilling
- Laser Cutting
- Micromachining
- Medical Aesthetic
- Ophthalmic Imaging
- 3D Printing
- Lithium Battery