

Optical Table

AT-OT-P

Features

- Working Surface: ferromagnetic stainless steel
- Core Construction : honeycomb structure
- Table Thickness: 100/150/200/250/300mm
- Mounting Hole Grid : 25mm×25mm
- Mounting holes: M6
- Hole accuracy: $\pm 0.03\text{mm}$
- Hole spacing accuracy: $\pm 0.05\text{mm}$
- Surface flatness: $0.02\sim 0.05\text{mm/m}$
- Roughness: $< 0.6\ \mu\text{m}$
- Resonant frequency: $< 6\sim 15\text{Hz}$ (Relevant to actual usage)
- Amplitude: $< 5\ \mu\text{m}$
- Supports Load: 800kg/m^2
- Weight (breadboarded thick):
100mm thickness: 120kg/m^2 ;
200mm thickness: 140kg/m^2 ;
300mm thickness: 165kg/m^2 ;

Application

- Lab supplies;
- optomechanical components;
- optomechanical devices;
- Optical applications;

Description

The AT-OT-P series standard Damping Vibration Isolation Optical Table produced by Optosky has an overall height of 800mm. The Breadboard is made of high-quality ferromagnetic stainless steel with good corrosion resistance. Using precision grinding finish, the flatness within $0.02\sim 0.05\text{mm/m}$. The rotary grinding process removes burrs to achieve a non-reflective effect. The optical table is evenly distributed with 25mm hole spacing standard M6 mounting holes for dampen a broad range of frequencies on the work surface.

The shelves adopts a four-leg or six-leg structure is available to earthquake restraints. The support legs are made of damping materials and upgraded to standard Damping Vibration Isolation pads that meet the requirements of national standards (GB/T20029-2005), with better vibration isolation performance and smaller frequency. It can meet application in the laboratory optical experiments and in the fields of teaching and scientific research.

Optosky offers many optical table sizes with thicknesses of 100 mm, 200 mm, or 300 mm; thicker optical tables will be stiffer. They're offered with Optical table accessories, including shelves, support legs, and earthquake restraints. Optical tables can also be custom ordered.



1. Parameter

Model	Size (mm)	Thickness (mm)	Table Feet Area (mm)	Notes
AT-OT-P06-06	600X600X100	100	100X100	4 legs
AT-OT-P09-06	900X600X100	100	100X100	4 legs
AT-OT-P10-07	1000X700X100	100	100X100	4 legs
AT-OT-P10-08	1000X800X100	100	100X100	4 legs
AT-OT-P12-08	1200X800X100	100	200X200	4 legs
AT-OT-P15-09	1500X900X200	200	200X200	4 legs
AT-OT-P15-10	1500X1000X200	200	200X200	4 legs
AT-OT-P18-12	1800X1200X200	200	200X200	4 legs
AT-OT-P20-10	2000X1000X200	200	200X200	4 legs
AT-OT-P20-12	2000X1200X200	200	200X200	4 legs
AT-OT-P24-12	2400X1200X200	200	200X200	4 legs
AT-OT-P30-12	3000X1200X300	300	200X200	6 legs
AT-OT-P30-15	3000X1500X300	300	200X200	6 legs
AT-OT-P35-12	3500X1200X300	300	200X200	6 legs
AT-OT-P35-15	3500X1500X300	300	200X200	6 legs
AT-OT-P40-15	4000X1500X300	300	200X200	6 legs
AT-OT-P45-15	4500X1500X300	300	200X200	6 legs
AT-OT-P48-15	4800X1500X300	300	200X200	6 legs

The table are the regular sizes in the company's inventory. Other table size, thickness, and hole position designs can be customized according to customer requirements.

2. Picture of Optical Table Supports

