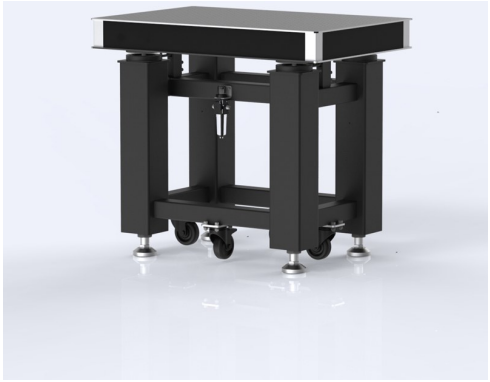
ZTP Series Pneumatic Vibration Isolation Optical Tables, 900–3500 mm Length

Model ZTP Series · waveqvanta.com/products/ztp-series-pneumatic-vibration-isolation-optical-tables

Pneumatic isolation optical table with semi-diaphragm air springs for microscopy, imaging and spectral measurement.



The ZTP Series supports a stainless steel optical tabletop on semi-diaphragm pneumatic springs to isolate floor vibration, with a resonant frequency below 1.5–3 Hz depending on load. It is offered in 27 sizes from 900 × 600 mm to 3500 × 1500 mm, with 100, 200 or 300 mm thick tops and an 800 mm total height. A portable air compressor is included as standard; -WQB versions are supplied without it.

Key features

- Semi-diaphragm pneumatic springs; resonant frequency below 1.5–3 Hz, depending on load and application
- SUS430 (1Cr17) high magnetic conductivity stainless steel working surface as standard; SUS304 (-304) or SUS316 (-316) optional
- Welded tabletop as default; bonded trussed honeycomb top with individual cleaning cups (-K) available on most sizes
- Matte black, low-reflection surface with M6 holes on a 25 mm × 25 mm grid
- Level and height adjustment structure, −10 to +15 mm
- Portable air compressor (35 L/min, 0.7 MPa) and oil/water separator; -WQB option without compressor
- Black aluminum-plastic side panels with stainless steel corner covers

Specifications

Isolation Type	Pneumatic, semi-diaphragm air springs
Resonant Frequency	Below 1.5–3 Hz, depends on load and application
Tabletop Sizes	900 × 600 mm to 3500 × 1500 mm
Tabletop Thickness	100 / 200 / 300 mm
Tabletop Structure	Welded (default); bonded trussed honeycomb with individual cleaning cups (-K)
Working Surface	4–6 mm thick stainless steel, SUS430 (1Cr17) standard
Optional Surface Materials	SUS304 (-304), SUS316 (-316)
Working Surface, Width Over 1500 mm	1Cr13 (410) stainless steel
Bottom Skin	4–6 mm thick carbon steel
Surface Flatness	0.02–0.05 mm / 600 mm × 600 mm
Mounting Holes	M6
Hole Grid	25 mm × 25 mm
Hole to Border	37.5 mm
Total Height (Tabletop and Frame)	800 mm
Height Adjustment	−10 to +15 mm
Tabletop Weight per Area	120 kg/m^2 (100 mm), 140 kg/m^2 (200 mm), 167 kg/m^2 (300 mm)
Load Capacity	400–1200 kg depending on model

Table Foot Area	120 × 120 mm or 160 × 160 mm depending on model
Supports	4 legs; 6 legs for 3000 mm length and above
Air Compressor	Portable compressor included by default; -WQB without compressor
Compressor Displacement	35 L/min
Compressor Output Pressure	0.7 MPa
Compressor Power	220 V / 50 Hz, 550 W
Air Supply Accessories	Oil/water separator
Side Panels	Black aluminum-plastic plate, stainless steel corner covers
Accessories	Wrench, bullseye level

Model overview

Model	Size L × W × H (mm)	Top Thickness (mm)	Top Weight (kg)	Foot Area (mm)	Load (kg)	Legs	-K Version	Working Surface
ZTP09-06	900 × 600 × 800	100	65	120 × 120	400	4	Available	SUS430
ZTP10-08	1000 × 800 × 800	100	96	120 × 120	400	4	Available	SUS430
ZTP12-06	1200 × 600 × 800	100	86	120 × 120	400	4	Available	SUS430
ZTP12-08	1200 × 800 × 800	100	115	120 × 120	400	4	Available	SUS430
ZTP12-09	1200 × 900 × 800	100	130	120 × 120	400	4	Available	SUS430
ZTP12-10	1200 × 1000 × 800	100	144	120 × 120	400	4	Available	SUS430
ZTP12-12	1200 × 1200 × 800	100	173	120 × 120	400	4	Available	SUS430
ZTP15-09N	1500 × 900 × 800	100	149	160 × 160	600	4	Available	SUS430
ZTP15-10N	1500 × 1000 × 800	100	165	160 × 160	600	4	Available	SUS430
ZTP15-12N	1500 × 1200 × 800	100	198	160 × 160	600	4	Available	SUS430
ZTP15-15N	1500 × 1500 × 800	100	270	160 × 160	600	4	Available	SUS430
ZTP15-09	1500 × 900 × 800	200	189	160 × 160	600	4	Available	SUS430
ZTP15-10	1500 × 1000 × 800	200	210	160 × 160	600	4	Available	SUS430
ZTP18-09	1800 × 900 × 800	200	227	160 × 160	800	4	Available	SUS430
ZTP18-10	1800 × 1000 × 800	200	252	160 × 160	800	4	Available	SUS430
ZTP18-12	1800 × 1200 × 800	200	302	160 × 160	800	4	Available	SUS430
ZTP18-15	1800 × 1500 × 800	200	378	160 × 160	800	4	Available	SUS430
ZTP20-10	2000 × 1000 × 800	200	280	160 × 160	800	4	Available	SUS430
ZTP20-12	2000 × 1200 × 800	200	336	160 × 160	800	4	Available	SUS430
ZTP20-15	2000 × 1500 × 800	200	420	160 × 160	800	4	Available	SUS430
ZTP24-12	2400 × 1200 × 800	200	403	160 × 160	800	4	Available	SUS430
ZTP24-15	2400 × 1500 × 800	200	504	160 × 160	800	4	Available	SUS430
ZTP24-18	2400 × 1800 × 800	200	605	160 × 160	800	4	No	1Cr13 (410)
ZTP30-12	3000 × 1200 × 800	300	601	160 × 160	1200	6	Available	SUS430
ZTP30-15	3000 × 1500 × 800	300	752	160 × 160	1200	6	Available	SUS430
ZTP35-12	3500 × 1200 × 800	300	701	160 × 160	1200	6	No	SUS430
ZTP35-15	3500 × 1500 × 800	300	877	160 × 160	1200	6	No	SUS430

Typical applications

- Optical communication
- High-magnification optical microscopy
- Optical imaging
- Precision spectral measurement