



Tables



- HONEYCOMB CORE BREADBOARDS
- SOLID BREADBOARDS
- BREADBOARD STANDS
- TABLE BREADBOARDS
- TABLE TOP AND ISOLATOR

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Optical Tables have the advantages of strong vibration resistance, multi-mounting holes. They are mainly used in the optical systems or instrument fixing in the laboratory or used in industry as working tables. The tables will be divided into several series according to the different size, materials or structure. There are also some brackets or supports for your choice.

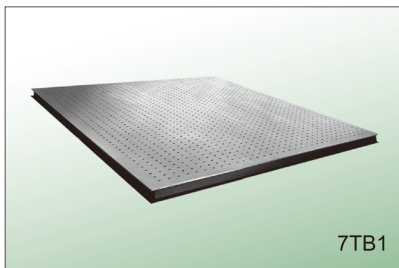
Series code: 7T

- Tables and plates with different sizes can be customized



HONEYCOMB CORE BREADBOARDS

7TB1 Series Traditional Optical Breadboards



7TB1

Characteristics:

- Ferromagnetic stainless steel table, special processing ensures high flatness without dazling
- Magnetic, devices can be fixed on arbitrary position used together with the 7MBM series of magnetic bases
- M6 threaded holes array with distance 25mm in the surface for fixing device conveniently
- Three-layers structure, honeycomb support in the core, increasing rigidity, reducing weight and good anti-vibration

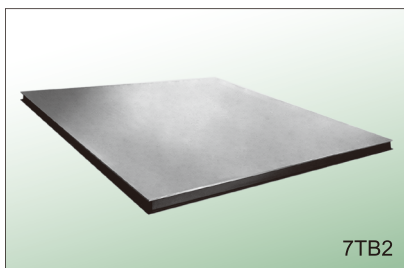
Specifications:

Thickness	50mm
Flatness	0.1mm/(600mm×600mm)
Distance between holes	25mm
Diameter of holes	M6

Parameters:

Model	Size of table(mm)	Weight(kg)
7TB133	300×300	10
7TB136	300×600	20
7TB139	300×900	30
7TB1312	300×1200	40
7TB166	600×600	40
7TB169	600×900	60
7TB1612	600×1200	80
7TB199	900×900	90
7TB1912	900×1200	120
7TB1915	900×1500	150
7TB11012	1000×1200	135

7TB2 Series Concise Optical Breadboards



7TB2

Characteristics:

- Ferromagnetic stainless steel table, special processing ensures high flatness without dazling
- Magnetic, devices can be fixed on arbitrary position used together with the 7MBM series of magnetic bases
- No holes or customized holes, economical and special, more suitable for industrial users
- Three-layers structure, honeycomb support in the core, increasing rigidity, reducing weight and good anti-vibration

Specifications:

Thickness	50mm
Flatness	0.1mm/(600mm×600mm)

Parameters:

Model	Size of table(mm)	Weight(kg)
7TB233	300×300	10
7TB236	300×600	20
7TB239	300×900	30
7TB2312	300×1200	40
7TB266	600×600	40
7TB269	600×900	60
7TB2612	600×1200	80
7TB299	900×900	90
7TB2912	900×1200	120
7TB2915	900×1500	150
7TB21012	1000×1200	135

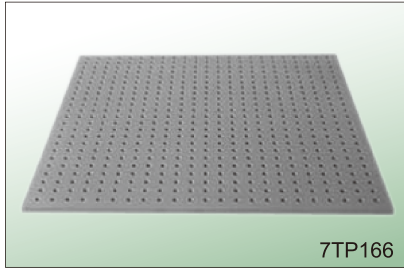
- Solar Cell Performance Testing Department
- Photoconductive Testing Department
- Special Measurement Instrument
- Precision Positioning Systems
- Stages
- Opto-Mechanics
- Tables
- Optical Elements

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SOLID BREADBOARDS

7TP1 series Traditional Solid Breadboards



Characteristics:

- Using high-quality aluminum alloy, high flatness, low weight, easy to move
- Special surface treatment, good appearance and wearable
- M6 threaded holes array with distance 25mm in the surface for fixing device conveniently

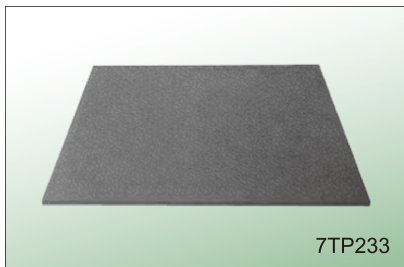
Specifications:

Thickness	13mm
Flatness	0.3mm/(600mm×600mm)
Distance between holes	25mm
Diameter of holes	M6

Parameters:

Model	Size of breadboard (mm)	Weight (kg)
7TP133	300×300	3.2
7TP136	300×600	6.3
7TP166	600×600	12.5

7TP2 series Concise Solid Breadboards



Characteristics:

- Using high-quality aluminum alloy, high flatness, low weight, easy to move
- Special surface treatment, good appearance and wearable
- No holes or customized holes, economical and special, more suitable for industrial users

Specifications:

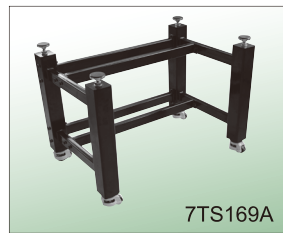
thickness	13mm
flatness	0.3mm/(600mm×600mm)

Parameters:

Model	Size of breadboard (mm)	Weight (kg)
7TP233	300×300	3.2
7TP236	300×600	6.3
7TP266	600×600	12.5

BREADBOARD STANDS

7TS series Rigid Breadboard Stands



Characteristics:

- Rigid structure, made of quality structure steel, stable and firm, big load
- Height is adjustable, ensures multiple breadboards in a same level
- High quality rubber pads on both sides of legs to isolate vibration perfectly
- Model with "A" have high strength universal casters for convenient moving

Specifications:

Model	7TS136	7TS166/7TS166A	7TS169/7TS169A	7TS269/7TS269A
The height of the support (mm)	700			850
The height adjustment range (mm)	-10 ~+30			
Application of the mesa size	300×600	600×600	600×900	
	300×900	600×900	600×1200	
	300×1200	-	900×900	
	-	-	900×1200	



TABLE BREADBOARDS

7TBD Cabinet Optical Tables



7TBD

Characteristics:

- Good appearance and integrity
- With cabinet in the bottom, convenient to settle down equipments and files etc.
- Inexpensive, suitable for applications with low accuracy $\mu\text{m}/\text{nm}$

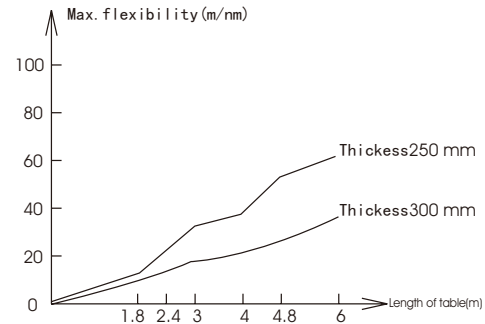
Parameters:

Model	Size of table(mm)	Hole distance(mm)	Thickness(mm)
7TBD112-08	1200×800×800	25	120
7TBD115-10	1500×1000×800		130
7TBD115-12	1500×1200×800		130
7TBD118-10	1800×1000×800		150
7TBD118-15	1800×1500×800		150

TABLE TOP AND ISOLATOR

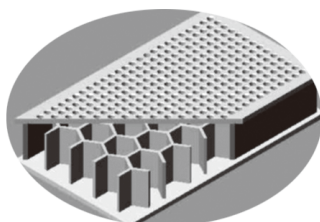


Maximum flexibility of tables (air cushion isolation series)



The frame of the large table top and isolator adopts carbon steel welding plate with high quality, good performance, strong rigidity and small deformation. The isolation layer adopts low natural frequency and honeycomb structure material with strong vibration isolation performance. Owing to the porous air damping floating type and low natural frequency, we can minimize the vibration and get perfect isolation. The table top with high magnetic stainless steel plate, after fine grinding it has the advantages of economy, beauty and wear-resistant. The supporting part with wear-resistant screw rods and planar thrust bearings, is easy to use and reliable. For the automatic balance system, by using air servo system, the automatic adjustment of the level can be made. Its prominent characteristic is to feedback the response of micro vibration to the system and to improve the effect of isolation. Under the condition of overload and partial-load, it can instantly reach the initial equilibrium state.

Structure of tables :

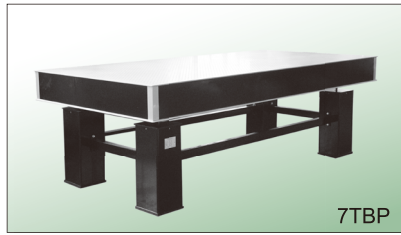


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7TBP Damping Precision Optical Tables



7TBP

Characteristics:

- Base support adopts composite materials solid damping isolation
- Stable structure and reliable
- Suitable for a good environment experimental site

Specifications:

Surface Roughness	0.8~1.6 μ m
Flatness	0.05mm/m ²
Maximum Vibration amplitude	5 μ m
Natural frequency	4~6Hz

Parameters:

Model	Size(mm)	Support	Thickness (mm)	screw hole/array distance(mm)
7TBP15-10	1500×1000×800	4	150	M6/25
7TBP16-09	1600×900×800	4	150	M6/25
7TBP18-12	1800×1200×800	4	150	M6/25
7TBP20-10	2000×1000×800	4	200	M6/25
7TBP20-12	2000×1200×800	4	200	M6/25
7TBP24-12	2400×1200×800	4	250	M6/25
7TBP30-10	3000×1000×800	6	250	M6/50
7TBP30-12	3000×1200×800	6	250	M6/50
7TBP30-15	3000×1500×800	6	250	M6/50
7TBP35-12	3500×1200×800	6	300	M6/50
7TBP35-15	3500×1500×800	6	300	M6/50
7TBP40-15	4000×1500×800	6	300	M6/100
7TBP42-15	4200×1500×800	6	300	M6/100
7TBP48-15	4800×1500×800	8	300	M6/100
7TBP54-15	5400×1500×800	8	300	M6/100
7TBP60-15	6000×1500×800	8	300	M6/100

7TBV Flotation Vibration Isolation Tables



7TBV

Characteristics:

- Isolation support adopts dual chamber composite membrane bag, damping fluid and air with small holes
- High efficiency combination and good vibration isolation performance
- Compact structure, stable and reliable
- Suitable for any environment

Specifications:

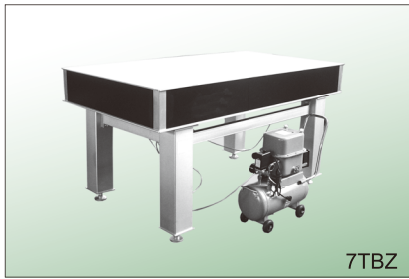
Surface Roughness	0.8~1.6 μ m
Flatness	0.05mm/m ²
Maximum Vibration amplitude	2 μ m
Natural frequency	1.5~2Hz
Repeatability	0.1mm

Parameters:

Model	Size(mm)	Support	Thickness(mm)	Screw hole/array distance(mm)	Load(kg)
7TBV06-06	600×600×800	4	100	M6/25	250
7TBV075-075	750×750×800	4	100	M6/25	250
7TBV09-06	900×600×800	4	100	M6/25	250
7TBV10-07	1000×700×800	4	100	M6/25	250
7TBV10-08	1000×800×800	4	100	M6/25	250
7TBV12-08	1200×800×800	4	100	M6/25	500
7TBV15-09	1500×900×800	4	150	M6/25	500
7TBV15-10	1500×1000×800	4	150	M6/25	500
7TBV16-09	1600×900×800	4	150	M6/25	750
7TBV18-12	1800×1200×800	4	200	M6/25	750
7TBV20-10	2000×1000×800	4	200	M6/25	800
7TBV20-12	2000×1200×800	4	200	M6/25	800
7TBV24-12	2400×1200×800	4	200	M6/25	800
7TBV30-10	3000×1000×800	6	250	M6/50	950
7TBV30-12	3000×1200×800	6	250	M6/50	950
7TBV30-15	3000×1500×800	6	250	M6/50	950
7TBV35-12	3500×1200×800	6	300	M6/100	1200
7TBV35-15	3500×1500×800	6	300	M6/100	1200
7TBV40-15	4000×1500×800	6	300	M6/100	1500
7TBV42-15	4200×1500×800	8	300	M6/100	2500
7TBV48-15	4800×1500×800	8	300	M6/100	2500
7TBV54-15	5400×1500×800	8	300	M6/100	2500
7TBV60-15	6000×1500×800	8	300	M6/100	2500



7TBZ Automatic Balanced Flotation Optical Tables



7TBZ

Specifications:

Surface Roughness	0.5~0.6 μ m
Flatness	0.05mm/m ²
Maximum Vibration amplitude	2 μ m
Natural frequency	1.5~2Hz
Repeatability	0.1mm

Characteristics:

- Isolation support adopts dual chamber composite membrane bag, damping fluid and air with small holes
- Auto leveling and inflation, all pneumatic actuator elements are made in FESTO Germany
- Silent air pump, low noise (less than 65 dB)
- Easy adjustment, stable, reliable and compact
- Suitable for high vibration-isolation requirement

Parameters:

Model	Size(mm)	support	Thickness(mm)	screw hole/array distance(mm)	Load(kg)
7TBZ06-06	600×600×600	4	100	M6/25	250
7TBZ075-075	750×750×800	4	100	M6/25	250
7TBZ09-06	900×600×800	4	100	M6/25	250
7TBZ10-07	1000×700×800	4	100	M6/25	250
7TBZ10-08	1000×800×800	4	100	M6/25	250
7TBZ12-08	1200×800×800	4	100	M6/25	500
7TBZ15-09	1500×900×800	4	150	M6/25	500
7TBZ15-10	1500×1000×800	4	150	M6/25	500
7TBZ16-09	1600×900×800	4	150	M6/25	750
7TBZ18-12	1800×1200×800	4	200	M6/25	750
7TBZ20-10	2000×1000×800	4	200	M6/25	800
7TBZ20-12	2000×1200×800	4	200	M6/25	800
7TBZ24-12	2400×1200×800	4	200	M6/25	800
7TBZ30-10	3000×1000×800	6	250	M6/50	950
7TBZ30-12	3000×1200×800	6	250	M6/50	950
7TBZ30-15	3000×1500×800	6	250	M6/50	950
7TBZ35-12	3500×1200×800	6	300	M6/100	1200
7TBZ35-15	3500×1500×800	6	300	M6/100	1200
7TBZ40-15	4000×1500×800	6	300	M6/100	1500
7TBZ42-15	4200×1500×800	8	300	M6/100	2500
7TBZ48-15	4800×1500×800	8	300	M6/100	2500
7TBZ54-15	5400×1500×800	8	300	M6/100	2500
7TBZ60-15	6000×1500×800	8	300	M6/100	2500

Solar Cell Performance
Testing DepartmentPhotoconductive
Testing DepartmentSpecial Measurement
InstrumentPrecision Positioning
Systems

Stages

Opto-Mechanics

Tables

Optical
Elements

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Notes.....

A series of horizontal dashed lines for writing notes, spanning the width of the page.

