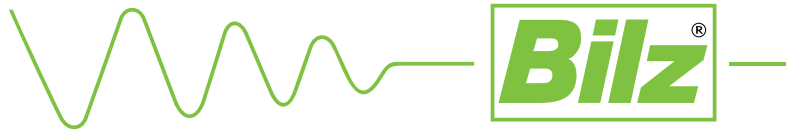


Anti-vibration solutions for research, development and quality assurance



LTH Laboratory tables
VITAP® Table top platforms
LTO Optical tables

Vibration-isolated tables and table top platforms by Bilz - we offer the best-in-class solution.

Bilz isolated tables are vibration isolated workplaces and perfect for all applications where vibrations/load changes interfere with measurement, experiment or work. See for yourself all of the possibilities!

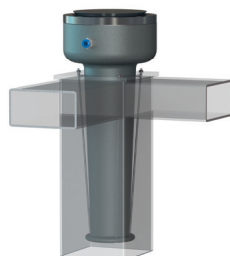
→ Dynamic applications

(Instruments with moving masses):
BiAir® Membrane air springs
 Vertical natural frequency starting
 from 2.5 Hz



→ Static Applications

(Instruments without moving masses):
Pendulum air springs PAS
 Vertical natural frequency 2 Hz
 Horizontal natural frequency 1.2 Hz



Applications

- Vibration-sensitive measuring and testing equipment
- Laser equipment
- Microscopes
- Scales
- Medical instruments
- Static and dynamic applications

Product properties

- Vibration isolation via Bilz air spring technology
- Mechanical-pneumatic level control (level accuracy 1/10 mm)
- Adjustable table feet
- Rigid welded steel subframe
- Working height 76 cm
- Standard color RAL 9005 (jet black)
- Air pressure regulation via air maintenance unit
- Many options for individual configuration



LTH Laboratory tables with granite table top

LTH Standard sizes

(Other sizes on request)

Dynamic application	LTH 60-50	LTH 80-60	LTH 100-63	LTH 90-75	LTH 100-80	LTH 100-100	LTH 120-80
Static application	LTH 60-50-PAS	LTH 80-60-PAS	LTH 100-63-PAS	LTH 90-75-PAS	LTH 100-80-PAS	LTH 100-100-PAS	LTH 120-80-PAS
Width [mm]	600	800	1,000	900	1,000	1,000	1,200
Depth [mm]	500	600	630	750	800	1,000	800
Thickness table top [mm]	100	120	100	100	140	160	160
Maximum load [N]	2,500	2,500	3,200	3,200	7,000	7,000	7,000

Compose your ideal laboratory table

Your Options:

Work surface

The operator working area is decoupled from vibration isolation!

- Arm rest 1
- Cutouts 2
- Rounded corners 3

Frame

- Outer enclosure 4
- Doors 5
- Cover hood 6
- Subshelf 7
- Different materials (wood, metal) 10
- Different RAL colors 11
- Levelling elements 12
- Retractable casters 13
- Clean room suitable (stainless steel)

T-slots, drilled or threaded holes

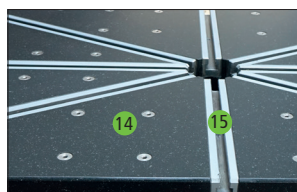
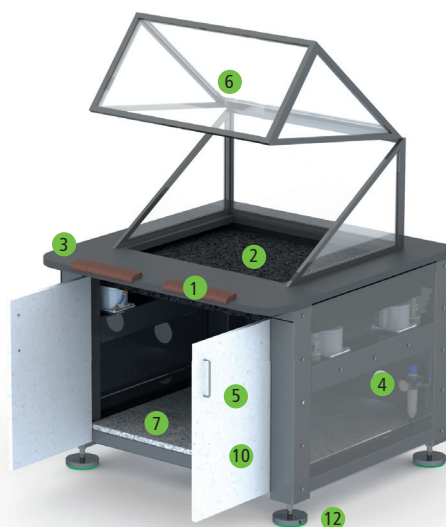
- Additional through or threaded holes in table top or subframe 14
- T-slots 15

Mounting supports

- Monitor 16
- Keyboard/mouse 17
- Other profiles and brackets 18

Level control

- High-precision level control (level accuracy 1/100 mm) 19



BILZ-VITAP® Vibration isolated table top platforms



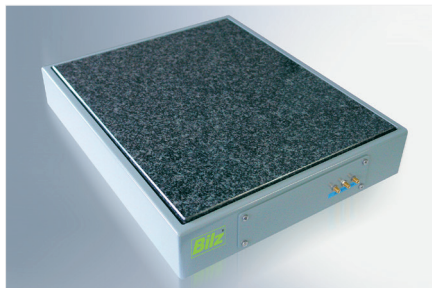
Applications

- Application areas in industrial production environments, laboratories as well as measuring and clean rooms
- For light and small measuring or test equipment
- Weight range up to max. 200 kg
- Optical devices, microscopes, surface roughness and roundness measuring equipment, hardness testers, analytical scales etc.
- Also suitable for the portable use of these measuring devices
- Only in combination with a rigid underframe/table



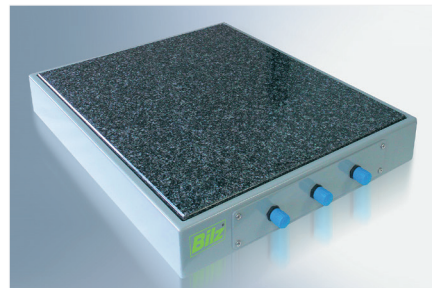
Product properties

- Vibration isolation via Bilz air spring technology
- Standard color RAL 7037 (dusty grey)
- lapped finished granite plate on isolators BiAir® or FAEBI®
- Height: approx. 100 mm



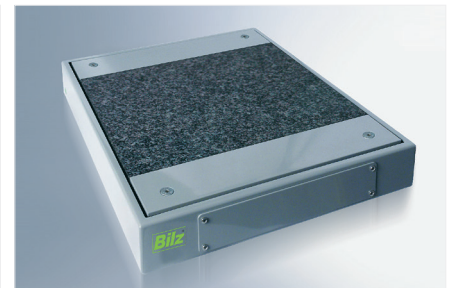
VITAP®-F

- With FAEBI® rubber air springs
- Natural frequency approx. 4.5 - 6 Hz
- No compressed air supply necessary
- Manual pump included



VITAP®-FP

- With FAEBI® rubber air springs
- Natural frequency approx. 4.5 - 6 Hz
- Connection to an external compressed air supply (4 bar)
- Precision pressure control for easy height adjustment



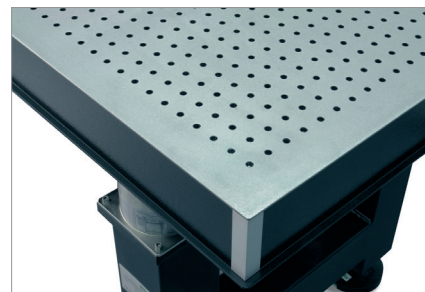
VITAP®-BM

- With BiAir® membrane air springs and mechanical-pneumatic level control (MPN) with automatic level compensation in response to load changes
- Natural frequency approx. 3 Hz
- Connection to an external compressed air supply (6 bar)

VITAP® Sizes and technical data

	VITAP®-F 50-40	VITAP®-F 60-50	VITAP®-FP 50-40	VITAP®-FP 60-50	VITAP®-BM 50-40a	VITAP®-BM 50-40b	VITAP®-BM 60-50a	VITAP®-BM 60-50b
Dimensions L x W [mm]	540 x 440	640 x 540	540 x 440	640 x 540	540 x 440	540 x 440	640 x 540	640 x 540
Installation surface [mm]	500 x 400	600 x 500	500 x 400	600 x 500	500 x 400	500 x 400	600 x 500	600 x 500
Maximum load [N]	600	1,300	600	1,300	750	1,500	1,500	2,000

LTO Optical tables for flexible installations



Optical workplaces allow flexible and quick experimental set-ups and offer optimal rigidity and damping at a low weight. The optical table tops have a honeycomb core with high inherent damping and are available with various metal skins with or without threaded holes (raster 25 mm, M6).

LTO Standard sizes

(Other sizes on request)

Dynamic application	LTO 90-75	LTO 120-60	LTO 150-90	LTO 200-100	LTO 240-120	LTO 300-150
Static application	LTO 90-75-PAS	LTO 120-60-PAS	LTO 150-90-PAS	LTO 200-100-PAS	LTO 240-120-PAS	LTO 300-150-PAS
Width [mm]	900	1,200	1,500	2,000	2,400	3,000
Depth [mm]	750	600	900	1,000	1,200	1,500
Thickness table top [mm]	100	100	100	200	200	300
Maximum load [N]	2,000	3,000	5,000	5,000	7,500	7,500

Contact us and arrange your personal appointment:

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