

Insulated tables by Bilz:

**Tailored to
your individual
requirements.**

Effective and cost-efficient solutions for nearly every problem caused by vibration – this is the claim that Bilz Vibration Technology meets very successfully every day worldwide. More than 45 years of experience in the field of vibration isolation enable Bilz to offer a wide range of products for vibration isolation from simple bonded insulation plates to rubber or membrane air-springs to mechanically or electronically controlled isolation systems.

Individual requirements vary a lot, especially in the field of insulated tables. At Bilz, a wide selection of special configurations regarding size, load capacity, materials, isolation efficiency and optional equipment are available.

We will be happy to advise you in order to assemble your perfect solution!

LTH Insulated tables



Bilz insulated tables LTH are vibration insulated workplaces and can be used for all applications where vibrations and/or load changes may disturb the experiment or machine.

Surrounding vibrations are insulated by highly efficient membrane air-springs. At the same time, the level controller (mechanical-pneumatic valves) maintains a level accuracy of

up to $\pm 1/200$ mm even at load changes. The system includes a service unit for compressed-air treatment.

Range of application

- Shock-sensitive measuring and testing machines
- Lasers
- Scales
- Optical, electronic and medical equipment

Product description

- Adjustable feet
- Torsion-proof, welded steel frame
- Membrane air-spring insulators BiAir® (vertical natural frequency approx. 2.5 Hz) between frame and plate
- Mechanical-pneumatic level control (level accuracy $\pm 1/200$ mm or $\pm 1/10$ mm)
- Polished granite plate
- Custom-made powder-coating

Sizes overleaf.

LTO Optical insulated tables

Bilz workstations are characterized by high-end quality and functionality. Optical workstations are required to provide optimal damping and rigidity at a low weight. The damping properties of the Bilz honeycomb lattice boards have been optimized so that high amplitudes at resonance, which typically occur at high frequency ranges, are almost completely eliminated by the high inherent damping of the HD-series tables.



Range of application

- Set-up of laser optical systems and interferometers
- Special microscopy

Product description

- See LTH
- Optical tables:
 - HD steel honeycomb core with high inherent damping, cover plate without thread inserts
 - HDT like HD, but with thread inserts

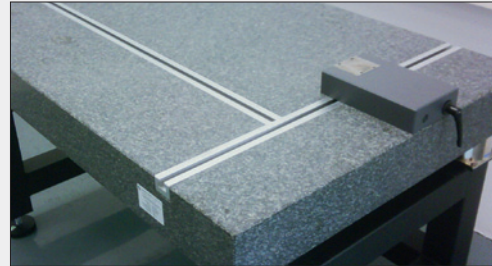
Sizes overleaf.

Product description

- | | |
|-----------------------|--|
| Cover plate: | stainless steel 3 mm, magnetic or non-magnetic, bloomed |
| Base plate: | steel plate 3 mm |
| Core: | HD/HDT: steel honeycomb core with a 0.5 mm galvanized steel plate, precisely formed, bonded with special resin |
| Thread inserts (HDT): | floating bedded thread inserts M6, no connection to the table core through closed sleeves, clamping adjustment of 5 mm and simultaneous tilting of ± 3 degrees possible, max. depth of thread: 30 mm |

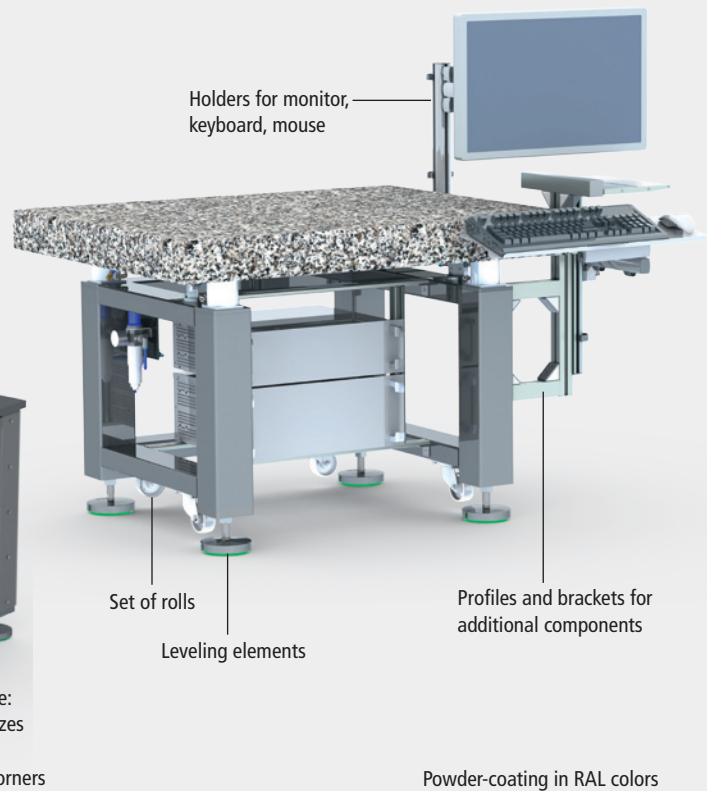
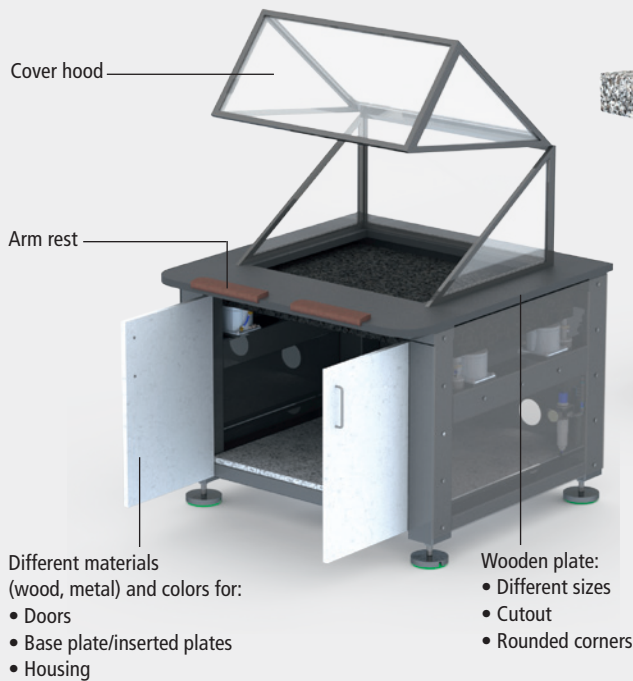
Assemble your **optimal insulated table** out of these components:

- Additional boreholes/threads in table top and frame
- Special sizes available on request
- Metal guardrails on request



Options

Different frames in standard or special sizes



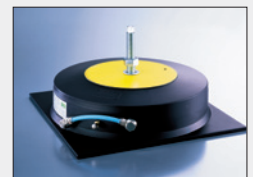
Insulators

- Level control (mechanical or electronic)
- Accessories (e.g. air-pressure control valves)
- Insulators integrated in the frame

BiAir®
Membrane air-springs



FAEBI®
Rubber air-springs



Underframe

Leveling elements and rolls are available in different sizes and designs.

LTH standard sizes

LTH insulated tables (special sizes available on application)

Width, mm	600	1000	900	1000	1000	1500	2000
Depth, mm	500	630	750	800	1000	1000	1000
Thickness of table top, mm	100	100	100	140	160	190	220
Working height, mm	760	760	760	760	760	760	760
Max. load	2500 N	3200 N	3200 N	7000 N	7000 N	18000 N	28000 N

LTO standard sizes

LTO insulated tables (special sizes available on application)

Width, mm	600	900	1200	1500	2000	2400	3000
Depth, mm	500	600	600	900	1000	1200	1500
Thickness of table top, mm	100	100	100	100	200	200	300
Working height, mm	760	760	760	760	760	760	760
Max. load	1500 N	2000 N	3000 N	5000 N	5000 N	7500 N	7500 N

Contact us and arrange your personal appointment:

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