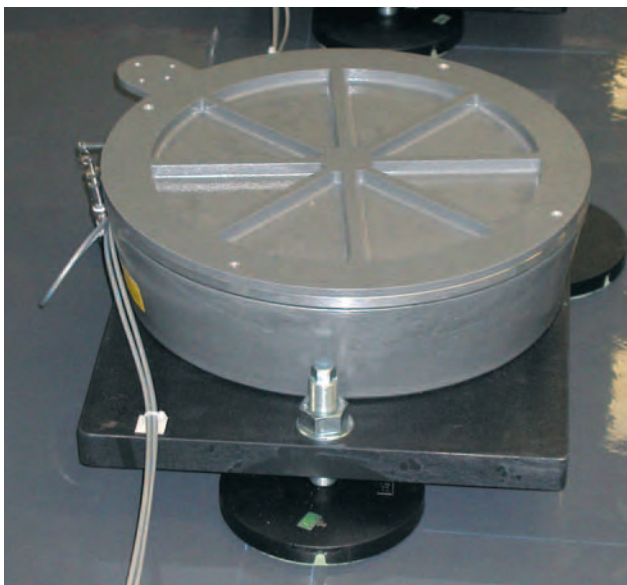


# Vibration foundation with BiAir®

## Application example:

Foundation isolation with BiAir® membrane air springs and level control.  
Implementation with pre-cast concrete slab.



The foundation isolation using low-frequency BiAir® membrane air springs enables an optimum isolation effect.

Unlike with the use of pad sets or steel springs the adjustable level of the foundation block automatically resets itself in response to load changes through the level control.

### **Bilz scope of supply and services**

8 x Bilz membrane air springs BiAir® 4-ED with mechanical-pneumatic level control MPN-LCV.

### **Particular general conditions**

The processing accuracy required of the gear grinding machine cannot be met due to disturbing influences from adjacent machines and an overhead crane rail. Large travel distances and tools weighing up to 10t cause large load changes that necessitate the use of a fast, mechanical-pneumatic level control with a level accuracy of  $\pm 0.1$  mm ( $\pm 0.004$ ").

## APPLICATION

Gear grinding machine GLEASON PFAUTER P 1200 G,  
machine weight incl. tool up to 25 t,  
foundation block approx. 5.2 x 1.9 x 0.7 m, approx. 20 t

