

Airloc Application News...

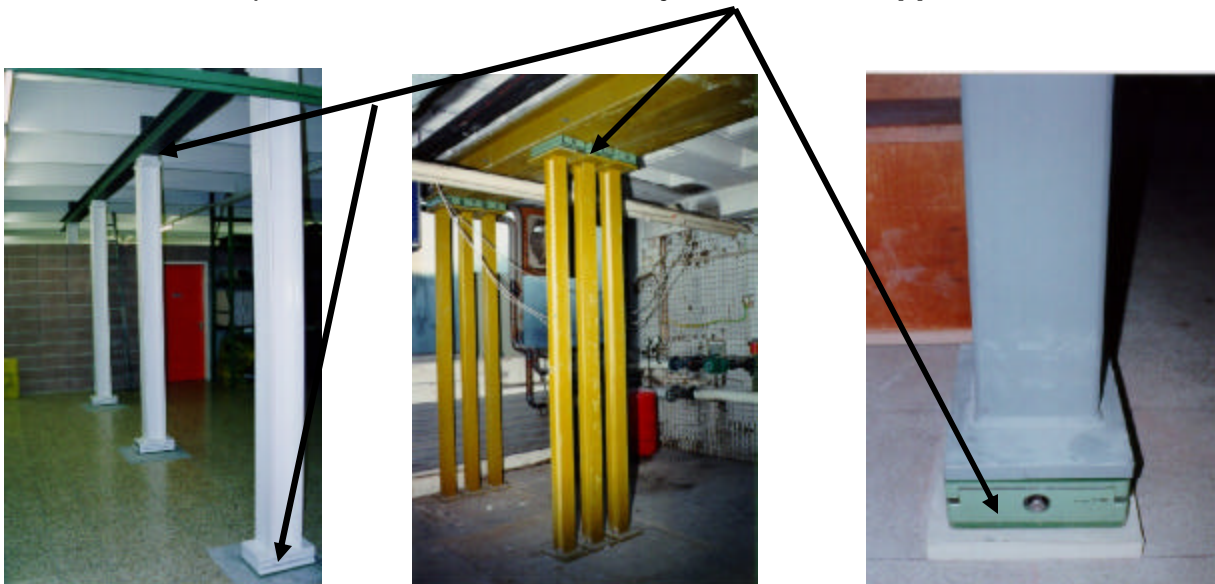
AirLoc Provides Isolated, Adjustable Floor Supports

It is a common occurrence that upper floor loadings in existing buildings are changed with the installation of new and frequently heavier machinery. Therefore, existing floors may reach their load limits.

In addition, there is danger of exciting critical vibration frequencies when floors, with low natural frequencies, are coupled with the disturbing frequencies of machinery supported on them. In such cases, it is seldom practical to provide isolation directly under the equipment. The inherent stiffness of the floor must be raised by structural modifications.

The application of AirLoc adjustable floor supports meets these requirements. The installation of AirLoc Wedgmount Precision Levelers offers a practical solution by providing resilient adjustable supports at points determined by load distribution and/or measurements of the floor frequencies.

The lower floor supports normally consist of vertical structural steel beams or reinforced concrete columns with at least one end supported by an AirLoc Wedgmount Precision Leveler with vibration / damping isolation pads. Thus, the calculated load is fully supported and leveled by Wedgmounts, and can be finely tuned at any time under full load. Shown below are several pictures of **Airloc isolated, adjustable floor supports**.



For more information regarding AirLoc Adjustable Floor Supports contact our headquarters in Franklin, MA & Kuesnacht/ZH, Switzerland, or your regional AirLoc Representative