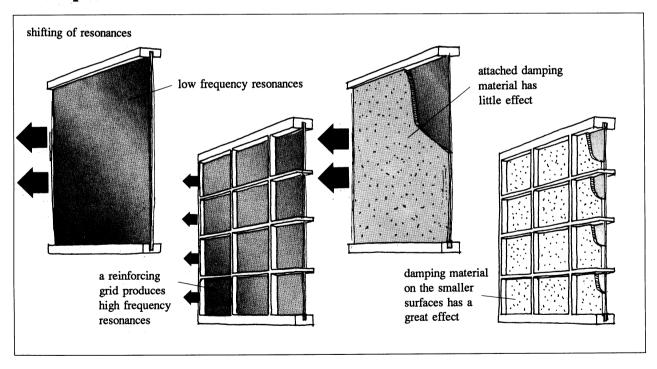
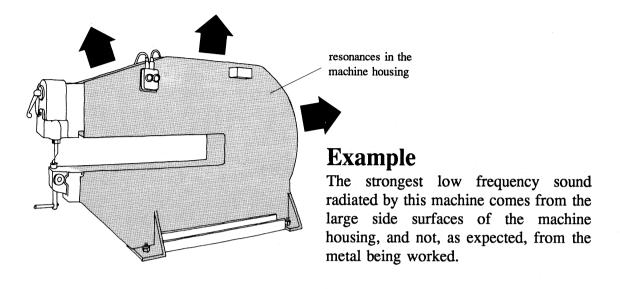
RESONANCE SHIFTED TO HIGHER FREQUENCY IS MORE EASILY DAMPED

Large vibrating plates often have low frequency resonances which can be difficult to damp. If a plate is stiffened, the resonances are shifted to higher frequencies which can be more easily damped.

Principle



Application to a machine housing



Control Measure

The sheet metal sides of the housing are stiffened with metal straps. A damped plate (total thickness 2 mm) is installed over the straps.

