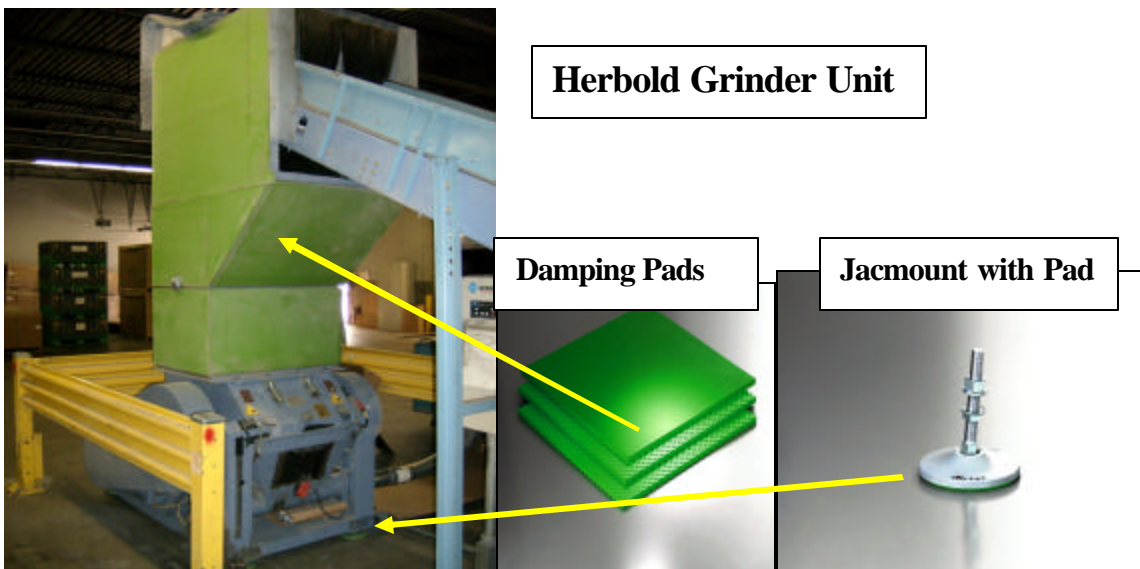


AirLoc Application News...

AirLoc Damping Pads Help Quiet a Noisy Grinder at Clark-Cutler-McDermott

Clark-Cutler-McDermott Company, the parent company of AirLoc, is a world-class provider of acoustic insulation and interior trim products to the automotive industry. With an emphasis on recycling, there are a number of grinders located throughout the facility for granulating trim materials. One particular grinder, a Herbold Type SML 45/70-SP Granulator, was generating high levels of noise in an open molding area where production personnel were working close by. The machine (shown below) has a large steel chute and hopper area leading into the grinder rotor and stator with counter rotating knives. When large scrap pieces hit the knives in the grinder base there were vibrations generated which resulted in high level structural and airborne noise to the surrounding area.

AirLoc took a two fold approach in reducing the vibration and noise being generated by this machine. First, AirLoc Jacmounts with damping pads were installed under the mounting feet of the grinder. The damping effect from the pads helped reduce the reflected vibration which occurred when the machine was placed solidly on the floor. In addition, AirLoc 715 damping sheets were glued to the hopper area to add structural damping and reduce the ringing of the untreated steel. The resultant noise reduction was significant, with production personnel in the area reporting greatly reduced noise.



For more information regarding AirLoc Damping Pads or Precision Leveling Devices, contact our headquarters in Franklin, MA or your regional AirLoc Representative