

CONTAINMENT OF DUST OR FLYING DEBRIS

APPLICATION SPOTLIGHT

Air Cleaning Technologies, Inc. specializes in engineered air pollution control systems. Their technologies and equipment address all aspects of industrial ventilation to improve both indoor and process emission air quality.

ACT's customer is using the bellows on a machining center used to mill aerospace components, which generated excessive airborne machining dust. Their objective was to create a semi-enclosed structure that would keep the machining dust and debris out of the air, and prevent it from contaminating the rest of the plant. Dynatect proposed a self-supporting bellows style cover that utilized low-friction bearings to easily glide on a rail system. The roof cover system moves easily with the gantry and still allows light to pass through.

ACT built the enclosure's frame and side curtains, using the bellows-style cover to enclose the top. Previously, they had used a curtain-style cover, however, an unacceptable level of dust still escaped through the top. Dynatect's machine roof cover provided the containment, quality, and easy of installation that ACT was looking for.



Dynatect's retractable machine roof cover contains debris and noise during machining of large aerospace parts. The translucent cover material allows light to enter.

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