



MANUFACTURING FACILITY
HIGH VOLUME LOW SPEED TECHNOLOGY

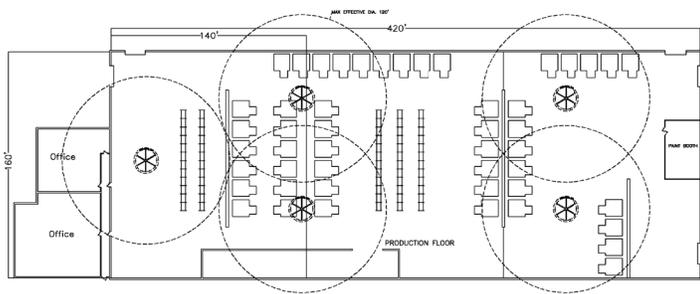
TESTIMONIAL

MANUFACTURING FACILITY

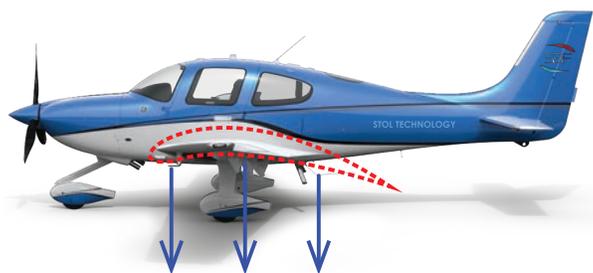
DESCRIPTION:

Hot and dangerous working conditions are no way to go through the day. With temperatures reaching 120+ degrees Fahrenheit, employees at a 67,200 sq. ft. manufacturing facility specializing in automotive parts were experiencing heat exhaustion and in several circumstances passing out on the job. The plant needed a fast and cost effective solution to cool their facility.

Operating stamping machines ten or more hours a day during summer months was causing an excessive heat buildup within the plant, lowering employee comfort as well as slowing overall production. They also wanted to distribute this heat in the winter months to portions of the building in which the machines were not producing as much heat.



SkyBlade airfoils are engineered with **STOL TECHNOLOGY** (Short Take Off & Landing) to obtain the greatest amount of lift at slower speeds.



The more lift the airfoil can generate, the greater amount of air which can be displaced towards the floor.

Due to an increase of lift created by the airfoil, SkyBlade fans can operate at lower speeds with less power consumption and produce a higher distribution of airflow than other styles of airfoils.

ISSUES:

- Excessive heat buildup from machinery was negatively affecting employee comfort, resulting in a decline of production levels.

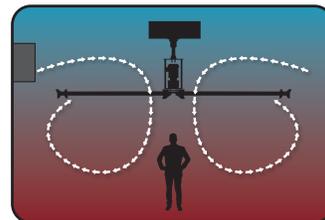
SOLUTION:

After careful examination and calculations, SkyBlade was able to construct a cost conscious design to combat the building's internal heat gain problem.

Key sections of the building that produced the greatest amount of heat were targeted and corrected. Five, STOL Series, 16 Ft. diameter HVLS fans were placed throughout the production area. Increasing both the volume and velocity of air movement throughout the plant helped to lower the worker's perceived temperature levels, thus sustaining a comfortable and safer work environment.

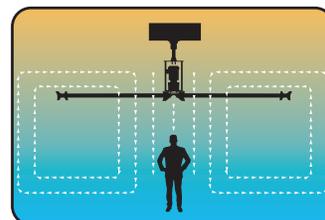
"Our workers are less exhausted and more productive on the job since purchasing our SkyBlade fans. They really move the air around well and cool this place down.", the plant manager told SkyBlade Fan Company.

DESTRATIFICATION



Reduce energy costs by up to 30% by minimizing the temperature differential from the ceiling to the floor.

COOLING



Create constant airflow to reduce perceived temperatures by 15°F.



SkyBlade Fan Company | Where Form Follows Function

24501 Hoover Road, Warren, Michigan 48089 USA

+1 (586) 806-5107 | sales@skybladefans.com

www.SkyBladeFans.com

Concurrent with our continuing product improvement program, specifications are subject to change without notice. Please contact SkyBlade Fan Company for latest information. Some features illustrated may be optional in certain market areas.

