ENGINEERED MEDICAL SYSTEMS

PROBLEM

Machinists at Memphis-based Engineered Medical Systems carve and shape bars of steel into lifesaving medical equipment. The nature of the craft is both strenuous and hot, with some skilled workers enduring 110 °F (43.3 °C) in certain areas while the rest of the 40,000-sq-ft (3,716-sq-m) facility hovered in the 80s, even in winter. Adding the air conditioning required to lower the temperature was estimated to cost $100,000 to $150,000. And even if air conditioning was added, the company's machinists still would be stuck working in pockets of overheated air.

SOLUTION

Engineered Medical Systems looked to Big Ass Fans® for a more efficient and budget-friendly solution. Three 16-ft (4.8-m) diameter Powerfoil®X series fans now circulate the conditioned air in the manufacturing plant with the heat the machines produce for better comfort. The fans run from front to back down the center of the shop, with each fan circulating at increasing speeds. The breeze from the Big Ass fans can drop the perceived temperature of a space by up to 10 °F (5.6 °C). At Engineered Medical Systems, that means a welcome reprieve for the machine operators.

"NOW THAT WE HAVE BIG ASS FANS CIRCULATING THE AIR, IT FEELS A LOT COOLER. BEFORE THE FANS, HEAT COMPLAINTS WERE A DAILY EVENT. AS A MATTER OF FACT, I DIDN'T HEAR ANY COMPLAINTS FROM EMPLOYEES THIS SUMMER. THIS IS THE FIRST YEAR I CAN SAY THAT."

Charles Stanford, Controller

BIG ASS FANS | EXCEPTIONALLY ENGINEERED