

# CASE STUDY

## BIOMEDICAL MANUFACTURING



**JOHNSON**  
AIR-ROTATION® HVAC SYSTEMS

## EMPLOYEE RETENTION DRIVES PURCHASE OF AIR-ROTATION SYSTEM

APPLICATION:..... Biomedical Manufacturing Facility  
LOCATION:..... Florida  
BUILDING SQUARE FOOTAGE:..... 190,000  
SYSTEM STYLE & QUANTITY:..... 4 Indoor, Heating & Cooling Johnson Air-Rotation Systems  
SPECIFICATIONS:.....Cooling the large open space evenly, flexibility for future changes, including a possible relocation of equipment, oil laden air.

### DESIGN

- With continuous innovation and thousands of products under this worldwide biomedical company, the ability to have flexibility with production, equipment, people and storage without modification of the HVAC system, was of the utmost importance.
- The customer required even temperatures throughout the facility and also wanted flexibility with an HVAC system in the event of future changes.
- The customer is annually rated as one of the best places to work in Florida and wanted to ensure that their employees were comfortable and breathing quality air.
- During their manufacturing process many of the machines utilize cutting oils that can become airborne as an oil mist. Removal of oil mist from the space was extremely important.

### SOLUTION

- The Johnson Air-Rotation HVAC System was a perfect fit for the biomedical manufacturer because of the lack of space taken up by units, no need for ductwork, and the ease of system relocation if the company's plans change.
- Oil mist filters were installed to remove oil mist that does come from the equipment.

### RESULTS

- The Johnson Air-Rotation HVAC System creates a consistent airflow pattern throughout the space with the supply of filtered air high in the space while any oil mist is taken low through the space in the same zone as the equipment making it easier to clean if necessary.
- The Johnson Air-Rotation System is providing this Florida biomedical manufacturing company with even temperatures and fresh, clean air.



Named one of the Fastest Growing Companies by Inc. Magazine



Johnson Air-Rotation® HVAC Systems are Manufactured in the USA



**JOHNSON**  
AIR-ROTATION® HVAC SYSTEMS

(800) 325-1303  
11880 Dorsett Road,  
St. Louis, MO 63043  
JohnsonAirRotation.com