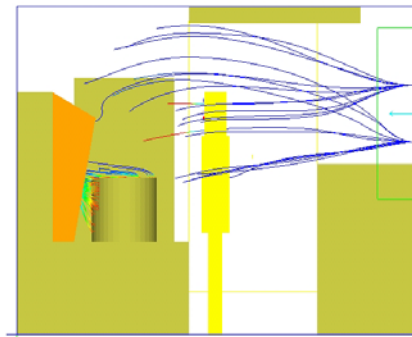




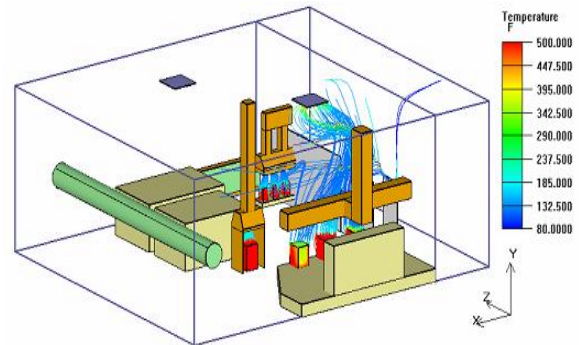
Airflow Modeling is a state-of-the-art, computerized tool that accurately predicts airflow and air quality conditions for rooms, buildings and processes. Air Science & Engineering utilizes this tool to help facility managers, engineers, architects and health & safety professionals solve problems cost effectively.

Key benefits include:

- **Cost avoidance** - optimum designs are developed and tested on the computer before any money is wasted on unnecessary construction and rework.
- **Cost reduction** - optimum designs minimize energy costs, a key driver for every organization.
- **Customer acceptance** - the impact of proposed changes are visible on the computer before a decision to modify a room, building or process must be made.



Model of acid etch area to find most effective way to reduce exposure levels.



Foundry model to evaluate several options to reduce fume and heat levels.

Airflow Modeling can help answer these types of questions:

Facilities Engineering

- If we locate the HVAC supplies and returns in these locations, will we get the required temperature and flow patterns?

Process Engineering

- How can we improve the temperature, flow and humidity uniformity in the drying room to reduce cycle time?
- Can we modify the exhaust system to reduce the amount of air required without impacting safety?

Safety, Health & Indoor Air Quality

- If a gallon of solvent is spilled in the storage room, will the ventilation keep the fume level below the hazard point?
- Which of the approaches will give us the lowest exposure levels while minimizing the exhaust rate?
- How much will air quality improve if a particular set of remedial actions are enacted? Which actions will have the most favorable impact? Demonstrate the results.

Environmental Engineering

- Which of the proposed changes will minimize the impact of emissions at the property line?

To learn more about bringing 21st century Air Modeling technology to your organization to solve problems efficiently and reduce costs, please contact:

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