

Grid System

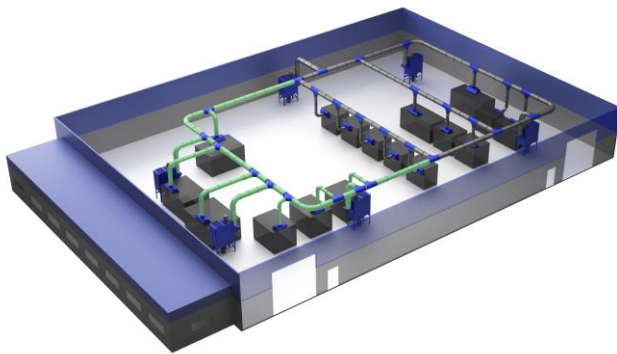
As companies grow, so does the need for equipment and a proper filtration and ventilation system to ensure a safe work environment. However, replacing an existing air filtration system can be costly and complicated. If a manufacturing plant is not equipped with a filtration system to optimally purify the air, workers are at risk for inhaling dangerous chemicals and employers are at risk of high employee turnover due to poor working conditions.

Grid System

RoboVent's Grid System provides the efficiency and energy savings of a centralized ducted system, with the flexibility to move components if needed. The Grid System is a whole facility solution consisting of modular, standardized ductwork and components that can be easily reconfigured as needs change.

Efficiency and Energy Savings

- Each centralized collector of the Grid System is powerful enough to manage dust and fumes from multiple robotic welding cells, allowing manufacturing facilities to expand capacity and meet the needs of the most demanding, high-productivity environments.



- The ducted Grid System typically only needs 70 percent of the airflow used by individual units, delivering significant energy savings over time. When a station isn't being used, the auto-gates shut off airflow at the cell when suction is not necessary, which in turn allows the collector to slow down the blower, saving energy in the process.
- Collectors for the Grid System come with the proprietary eDrive system, which works with the gates to control airflow automatically. The gates open and close with the manufacturing process, and in turn, pressure sensors regulate the airflow of the collectors, using only the airflow necessary for the open gates.

Flexibility to Change

- The Grid System is typically designed to have the ductwork inside the building without any wall penetrations. As a company's needs change, the air quality system can easily adapt using the QuickClamp ductwork. This allows components to be moved around, expanding or retracting capacity to adjust the system to the new requirements, providing a cost-effective option for any growing company.
- The DeltaGate system is a proprietary connector that connects the process to the Grid ductwork. This connector combines the Delta3 SparkOut technology with a damper to control airflow at the entry to the grid ductwork.
 - Process connectors and Fusion connectors are the connection points to the process or the RoboVent Fusion dust connectors. These connectors allow airflow in either direction on the grid ductwork.

For more information, please visit www.robovent.com/grid.