



Melton Machine & Control Company: Washington, MO



PROJECT DESCRIPTION

Client: Melton Machine & Control Company

Project: HVAC Efficiency System Upgrade/Installation

Floor Area: 367,000 sf

Construction Schedule: Completed Summer 2020

General Contractor: Congegra

Architect: Gray Design Group

PROJECT APPROACH

Design/Build

ROLE

Engineer of Record

Installing HVAC Contractor/Installing HVAC

PROJECT SCOPE

Wiegmann Associates designed and installed all HVAC systems on the \$25M headquarters and manufacturing facility for Melton Machine & Control Company (MMCC), a manufacturer of automated robotic welding systems. The project included an extensive HVAC energy efficiency package.

Wiegmann installed a Rooftop Variable Air Volume (VAV) system and a Building Automation System with 63 zones for optimal comfort, climate control and efficiency in the 74,000-square-foot office area. High-efficiency packaged rooftop units serve the expansive manufacturing area.

Since energy efficiency and long-term cost savings were primary project goals, Wiegmann recommended and implemented a package of energy efficiency upgrades to eliminate reheat, reduce fan energy and save large amounts of energy that are typically used to heat and cool outdoor air. Wiegmann's energy-saving solutions reduced MMCC's HVAC operating costs by more than \$50,000 per year, with a payback period from the upgrade of fewer than 3 years.



CONSERVING ENERGY BY DESIGN

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