

LEHIGH PHOENIX PRINTING FACILITY HAGERSTOWN, MD

KEY PARAMETERS

- Type of Facility – Existing Building (EB)
- Function – Industrial / Publishing
- Area – 198,000 sq.ft.
- Project Completed – 2012

Challenge: Filter maintenance issues. [Lehigh Phoenix](#) is a leading provider of high-end multicolor book components including covers, and book jackets. In 2012 the company added 28,000 square feet to the existing 180,000 square-foot Hagerstown facility that houses advanced pre-press, press operations, and finishing operations. As materials used in the press operations were being filtered out of the air, high HVAC system static pressures were requiring expensive filter change-outs every two weeks. Additionally, Lehigh Phoenix is committed to environmentally friendly standards within the workplace and facility cleanliness was running below their standards.



Solution: Dynamic V8 Air Cleaning Systems were installed in custom packaged air handling units, replacing 80% cartridge filters.

Results: Lehigh Phoenix has been very happy with the air cleaners. Indoor air quality in the facility is the same if not improved. The high dust holding capacity of the Dynamic V8 Air Cleaning Systems has ended the regular

expensive monthly filter change-outs. The Dynamic V8 holds up to ten times the dust of standard cartridge and bag filters. Unlike passive filters which load primarily on the face of the media, the Dynamic V8 loads throughout the full 1" depth of each of the eight media pads and 360° around each fiber. This three-dimensional loading accounts for the system's ability to collect and hold contaminants.



TEAM

- Owner – Visant Corporation
- Engineer – Comfort Design Inc.
- HVAC Mechanical – Boland Trane
- In-house Facilities Contacts – Guy Bonner & Raymond Holton

MECHANICAL SYSTEMS

- HVAC – Boland Trane
- Building Controls – Control Systems, Inc.
- Energy Monitoring – BuildingLogix

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