

PINEHURST SURGICAL PINEHURST, NORTH CAROLINA

KEY PARAMETERS

- Type of Facility – Existing Build (EB)
- Function – Healthcare Offices
- Area – 3-story, 131,135 sf
- Project Completed – 2012

Pinehurst Surgical operates a state-of-the-art healthcare facility in Pinehurst, NC comprised of nine specialty centers. Comprehensive services at the facility include audiology, ENT, facial plastics, orthopedics, physical therapy, urology, women's care center, general, bariatric, cardiac, neuro, thoracic and vascular surgery.



Challenge: Musty odors on the first floor of the facility office complex.

Solution: MERV 7 pre-filters were replaced with Dynamic 2" Tandem Air Cleaners in the 90-ton Trane Intellipak rooftop system serving the office area.



Results: According to Don Metcalf, Manager of Support Services at Pinehurst Surgical, the staff has been pleased with the effectiveness of the Dynamic Air Cleaners in removing the odors.

Air quality tests for direct examination of airborne spores from independent 3rd party labs were conducted prior to the air cleaner installation in April of 2011 and post-installation in January, 2012. The concentration of mold spores in the outdoor air was constant during both tests (430 spores/m³ before, compared to 428 spores/m³

after). Average indoor concentrations showed an 83% reduction in mold spores tests (177 spores/m³ before, compared to 30 spores/m³ after).

Test Date	Average Indoor		Outside	
	Apr 2011	Jan 2012	Apr 2011	Jan 2012
Total Count	177	30	428	430
Improvement	83%		0%	



After almost one full year of operation the downstream side of one of the Dynamic Air Cleaners still looks like new

TEAM

- Owners – Pinehurst Surgical Group
- In-house Contact – Don Metcalf, Manager of Support Services
- IAQ Testing – EMSL Analytical, Inc. and Carolina Environmental, Inc.

MECHANICAL SYSTEMS

- HVAC – Trane

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