



ENHANCED ACOUSTICS AS A RESULT OF GOOD INDOOR AIR QUALITY CLEAN AIR IS VITAL FOR EMPLOYEES & INSTRUMENTS

THE COMPANY PROFILE

Thomann GmbH is the world's largest online and mail order retailer in the music industry for musical instruments, light and sound equipment, with almost 10 million customers in 120 countries and 80,000 products on offer. What began in 1954 with the company founder Hans Thomann Senior is today a pioneer in the growing e-commerce sector, now managed by the second generation, his son Hans Thomann Junior. The family business is considered a mecca for bands, stage technicians, and stars from all over the world. Over 1,550 employees at Thomann GmbH ensure that customers receive top quality products.

THE CHALLENGE

Approximately 40,000 pieces of music equipment, parts, and accessories are stored in the Thomann logistics centre, which covers an area of around 37,500 meter square and has space for over 10,000 pallets. Due to the daily stock turnover, a lot of dust is generated in the ambient air. This is also a concern with occupational health and safety. As a consequence, healthy indoor air quality became a primary focus at Thomann. In addition to product quality, the ability of employees to work and maintain their health is a must.

The measured total particle concentration (PM1, PM2.5, and PM10) in the ambient air rises to

approx. 680 micrograms/m³ at peak times (approx. half of which are respirable PM1 particles). Irritations of the mucous membrane occurred more frequently which is not an ideal condition for handling music equipment and for employees who spend the whole day in the hall. Thomann GmbH searched for a solution to this problem. The challenge was to improve the indoor air quality using low energy consumption and in doing so, protect the health of the employees and continue to have satisfied customers by offering top quality products.

THE SOLUTION

- 16 CC 6000 air cleaners as freestanding units
- 13 CC 400 air cleaners, concealed wall-mounted version



BENEFITS | PROJECT SUCCESS

- Significant improvement to the indoor air quality and reduction of fine dust particles in the indoor air (particle reduction of the fractions PM1, PM2.5, and PM10 by approx. 50 - 65 %)
- Improved sense of well-being among employees
- Reduced hours in cleaning work
- The burden is taken off the existing ventilation system and the filter service life got extended

"You only get satisfied customers and employees if you make a special effort when it comes to the details. This also applies to our logistics centre. With the use of the air cleaners, we have firmly controlled the dust in the indoor environment."

- Hans Thomann, Managing Director, Thomann GmbH, Treppendorf near Bamberg (Bavaria)