Case Study

WIAG ANTRIEBSTECHNIK INVESTS IN A NEW OIL MIST SEPARATION SYSTEM

Three operating grounds equipped with the latest CNC machining equipment. This is how it looks like at WIAG Antriebstechnik, one of the leading manufacturers of gear technology and gear assemblies. Large parts of the production in Lippstadt are later integrated into the products of renown and extremely demanding customers. "In our line of business, there is no way around modern machines from the upscale segment. The plants have to operate in two to three shifts to pay for themselves," Managing Director Udo Hüsten explains. The high time-related and spatial density of modern machines, operating with very fast feed rates, inevitably also entails a high load of cooling lubricant vapors. Although limit values have never been exceeded as a result of measurements taken by the employers' Liability Insurance Association "The employees and management have a common interest in noticeably healthy air in the work areas" says Hüsten. The aim is therefore not to rest satisfied when it comes to complying with the limit values, but to focus on the state of the art. From a certain batch size upwards, the state of the art now also includes robots for equipping the machines. Performing these simpler tasks, otherwise done manually, allows skilled workers to focus on more complex tasks.

Headquarters WIAG Antriebstechnik in Lippstadt

An Okuma turning lathe has just finished machining a workpiece when the door of the machining area immediately opens and a robot arm moves toward the workpiece. Such machines with optimized cycle times and long operating times, contribute above average to the emissions on the operating ground. "Here we have also upgraded the oil mist extraction" - this applies to the oil mist separators of MultiCNC type from Hengst Filtration. These filter unit make it possible to bring the air quality at WIAG Antriebstechnik to a new level. In the first step, several of these units were installed on a trial basis. In the meantime, they have proven their worth in several thousand hours of operation and further units have been procured. The employees are also very pleased with the noticeable improvement brought about by this modernization. Managing Director Udo Hüsten is certain that the investment will pay off: "With added value for health and employee satisfaction, the rather low additional costs in relation to the total investment of the production machine clearly pay off." The optional installation by the manufacturer's service department was not used. All necessary planning documents are provided for the units, so that a trouble-free installation can be carried out by the company's own technology department. If needed, the local Hengst Filtration customer service was always available. The cooperation between WIAG Antriebstechnik and Hengst


Oil mist seperator Hengst - MultiCNC

Hengst FILTRATION

Filtration demonstrates that measures aimed at improving air quality can be implemented cost-effectively and with a manageable expense. Since the MultiCNC is available from stock, this measure could also be implemented very fast to allow WIAG specialists to focus on their core competence: the production of high-quality gear components

.