

Danfoss Commercial Compressors **Improve** cleanliness measurement of parts

Danfoss Commercial Compressors optimised its parts cleanliness measurement activity. This industrial company gains a more efficient tool to guarantee the quality of its parts washing process and of its whole production.

Based in Trevoux (Ain Département, France), Danfoss Commercial Compressors cleans most of the parts used in the manufacture of its hermetic compressors, whether these parts are machined in its own workshops or delivered by suppliers. Why?
"The slightest trace of residues in our compressors may jeopardise their correct operation", Régis Poyet, Head of the Metrology and Measurements Department of the plant, explains.

Incoming inspection

To go even further, this manufacturer wished to optimise the cleaning process and improve the control of quality measures.
"We plan to receive some of our

parts manufactured outside already cleaned", Régis Poyet continues. "As a result, it is absolutely mandatory to inspect the cleanliness condition of the parts at delivery."

The manufacturer also wanted to increase the number of people trained for this type of cleanliness measurement in order to improve the reactivity of operations, especially within the scope of new projects.

Optimised laboratory

To do so, the plant managers required support from Cetim.

After an audit carried out in July 2010, Danfoss Commercial Compressors improved its working procedures, installed retention receptacles to

prevent solvents from being spilled on the floor, repaired the ventilation system and implemented safety procedures.

Then, the ten people working in the Quality and Methods Department received a one-day training on safety and the measurement procedures.

Today, this new organisation of its inspections provides the company with margins for continuous improvement of its process, and thus gives the teams the capability to contribute to both customer satisfaction and cost optimisation.

"Today we inspect the cleanliness of all our parts through random sampling and we are going to be able to optimise the discharge frequency of our cleaning baths", Régis Poyet concludes.



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Corporate name
Danfoss Commercial Compressors

Activity
Manufacture of hermetic compressors for cooling and air production. The Danfoss Commercial Compressors factory in Trevoux (France) is part of Danfoss' "Cooling and air conditioning" division

Sales turnover
390 millions euros

Workforce
600 persons (France)
1,700 persons (Worldwide)

Cetim's asset

Cetim offers its services and competences for cleaning and degreasing as well as in the methods and tools to assess the cleanliness of mechanical parts. Cetim assists companies in the implementation of their cleanliness action: expertise, advice, training.

