



HARTER GMBH

Subsidies for New Low-Energy Dryer

Anox AG from Affoltern am Albis has invested in a new condensation dryer with heat pump, relieved its employees, improved its energy balance and received government subsidies in the process.

The family business has specialized in processing aluminium. They offer comprehensive services from machining - blanking, milling, lathe turning - to anodizing to provide a protective surface finish. Various marking techniques are also part of their product portfolio. In their surface finishing shop, you can find a new dryer made by Harter of Southern

Germany. With their alternative approach to drying, Harter has placed a process on the market which has resolved many a drying problem. Moreover, the inbuilt heat pump makes Harter's systems highly energy-efficient. This is now also rewarded by the Swiss government after German and Austrian companies have benefitted from their governments' subsidies for some time.

Today, all items in Anox's large portfolio are dried in a reliable process at a gentle temperature of 60 °C without any stains left. Other than usual, the cycle time is largely varied to meet the requirements of each type of items to be dried. "As a matter of fact," says



Anox can reliably dry their whole parts portfolio today to become perfectly dry and stain-free at 60° C. The exhaust-air-free system relieves employees of environmental stress at last.



The dehumidification module conditions the process air required. The inbuilt heat pump technology is energy-efficient enough to qualify for government subsidies.

Peter Galliker, General Manager of Anox, "our parts are perfectly dry at last. And there is definitely some time-saving – an estimated 30 percent." In almost any of their hundreds of projects Harter could reduce the cycle time a great deal thus allowing higher throughput if required.

The dryer features an automatic lid system which keeps the precious heat inside the system. The air cycle is closed throughout the drying process. This is not only an asset in terms of energy consumption and related cost incurred but also in terms of employee quality of life at work which had been compromised by the steamy atmosphere in the shop created by the previous hot air dryer.

Grants amounting to as much as 20 percent of the investment volume may be applied for under Alpiq's OPTIMO plus 2019 programme. Anox used this opportunity and benefitted from the subsidies. According to information by Manual Mayer, Project Manager of Alpiq, there is an additional bonus available now, in

times of the corona pandemic: Those who invest in low energy technology, despite the pandemic, will get a grant of as much as 40 percent.

Although the new has seven fans more than the obsolete dryer, the heat pump assisted alternative technology produces good figures. The rated power of the obsolete dryer was 77 kW approx. while that of Harter's dryer with speed-controlled fans including the dehumidification module is 17.8 kW in production operation. "This energy footprint is impressive" summarizes Galliker contentedly. ■

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