

AIRWATERGREEN AT VBN COMPONENTS

Reference case Industri

BAKGROUND

VBN Components is a Swedish innovation company that has developed its own set of extremely tough, durable and resistant metals for additive manufacturing ("3D printing"). They have developed a production process where they can manufacture using a range of patented materials, all under the Vibenite® brand.

The production environment handling metal powder requires strict control over the humidity level in the air.

WHAT PROBLEMS DID THE AIRWATERGREEN DEHUMIDIFIER SOLVED?

Three FLEX Cloud were installed so that the air flow circulating in the production rooms is dehumidified to a specific level. With the FLEX dehumidifiers, a dry production environment has been created suitable for handling the materials used in 3D printing process.



QUICK FACTS

Product: 3 pcs FLEX Cloud

Installation year: 2 pcs 2015 and 1 pc 2021

Reason: To maintain a correct low relative humidity level in the production

HAVE YOU TESTED ANY SIMILAR PRODUCTS OR SOLUTIONS?

VBN is a pioneer in its field and started using Airwatergreen products from the very beginning.

« VBN Components uses several unique metal powders for additive manufacturing and we do a lot high demands on the quality of our production environment. This means that we can deliver with our production process material with extreme resistance to wear and heat. It's extra fun to use an energy and environmentally smart solution as a dehumidifier from Airwatergreen that delivers the climate we need! »

Ulrik Beste, CTO at VBN Components.

ADVANTAGES USING AWG PRODUCTS AS COMPARED DO NOTHING?

To maintain a correct and low relative humidity level is a strict demand in our production process. The metal powder is used in the production process and a high level of quality is needed in the air during the production.