



Case study: Air Treatment

Top quality and increased productivity at Tokai Optecs

Benefits

- No condensation
- Raw materials can be stored for longer
- Faster production
- Dust-free clean room
- Stable moisture levels
- Consistent temperature
- Reduced energy costs

Photo: Karlijn Van Giel

Controlled environment and optimum clean room conditions thanks to solutions from Munters

Tokai Optecs is a Belgian-Japanese joint venture between Tokai Optecs and Tokai Optical Japan.

They make spectacle lenses of the highest quality. The cooperative venture with Tokai Optical Japan means that Tokai Optecs is

always at the cutting edge of innovative technologies and they attach great importance to quality standards.

They have a patent for an ultra-high refraction index of 1.76, which allows them to make very thin lenses with a high degree of correction.

In order to ensure that everything is produced on time to keep all their distributors all over Europe supplied, they came to Munters for solutions.

Munters Belgium NV/SA, Air Treatment Division

Blarenberglaan 21C, 2800 Mechelen, Belgium / Phone +32 15 28 56 11 / E-mail info@muntersbelgium.be / munters.com



Both the Leuridan brothers work at the company. Kurt is the CEO, and Johan takes care of all the technical matters.

"We already had a clean room with an air treatment system installed in the roof. However this needed to be changed. The air treatment system has to run 24 hours a day to ensure production conditions were good enough, however this was still not possible", explained Johan Leuridan. "We simply could not meet demand, especially in the summer, as we were having to throw away too many products. Keeping the temperature and humidity consistent and at the optimum level is very important, as well as keeping the room dust-free. We could not achieve that with our current air treatment system. Which was why we asked Munters to get involved".

Quality

"We replaced the air treatment system on the roof with the Munters installation that dries, cools and filters the air. Now we can be sure that there will be no droplets of condensation forming on the lenses or clouding of the lens coating. This ensures our lenses are consistently top quality."

Increased productivity

"Everything works as it should, irrespective of the time of year. This results in less reject products and increased profits. Pressure is greater day to day nowadays, because consumers expect to order a pair of glasses on a Saturday and to pick up the finished custom-made glasses a week later. We now have more capacity to get this done



on time and send the lenses out to distributors without any issues."

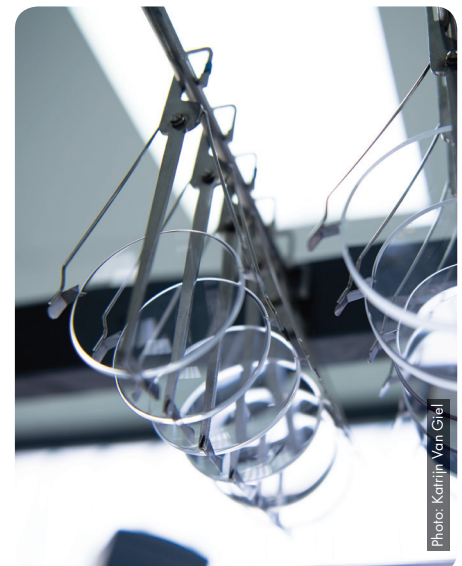
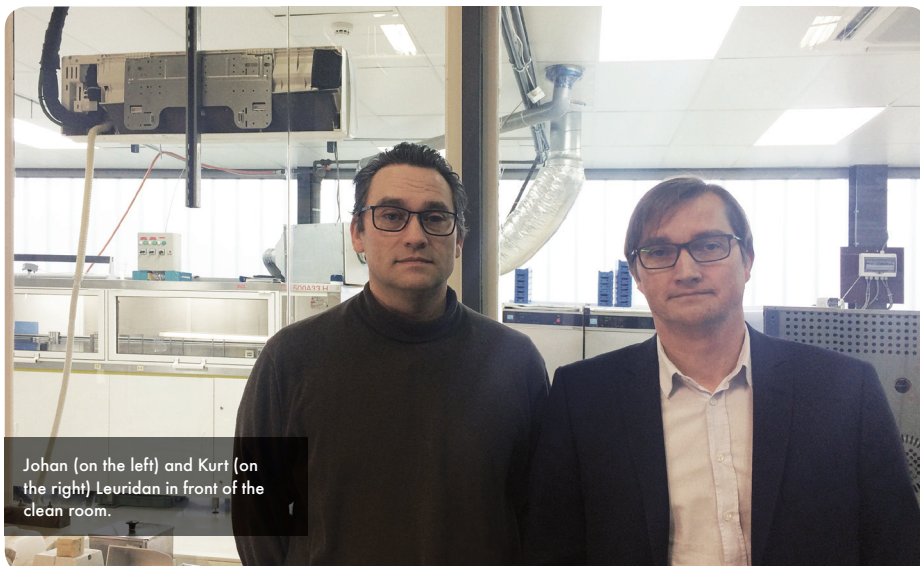
Investment more than paid off

"We are very happy that we took this step. As well as fewer rejected products, the coating can be kept for longer, and we have a timer on the installation so that it only needs to run during production hours.

This means we will have achieved our return on investment, in energy costs alone, in just three

years. In this way, we can coat all lenses in a uniformly precise way, as we develop them, and also continue to innovate."

Would you like to find out if Munters has a solution for your company too? If so, please visit our website, www.munters.com or contact us at info@muntersbelgium.be



Australia Phone +61 2 8843 1588, dh.info@munters.com.au **Austria** Phone +43 1 6164298-92-51, luftentfeuchtung@munters.at **Belgium** Phone +32 1528 5611, info@muntersbelgium.be **Brazil** Phone +55 41 3317 5050, munters@com.br **Canada** Phone +1 905 564 6466, dhinfo@munters.com **China** Phone +86 10 8048 3493, info@munters.com.cn **Czech Republic** Phone +420 775 569 657, info@munters-odvlhcovani.cz **Denmark** Phone +45 4495 3355, info@munters.dk **Finland** Phone +358 20 776 8230, laitemyyni@munters.fi **France** Phone +33 1 3411 5757, dh@munters.fr **Germany** Phone +49 4087 96900, mgd@munters.de **India** Phone +91 20 668 18 900, info@munters.in **Italy** Phone +39 0183 52 11, marketing@munters.it **Japan** Phone +81 3 5970 0021, mkk@munters.co.jp **Korea** +82 2761 8701, munters@munters.co.kr **Mexico** Phone +52 81 8262 5400, munters@munters.com.mx **Netherlands** Phone +31 172 433231, vochtbeheersing@munters.nl **Poland** Phone +48 58305 3517, dh@munters.pl **Singapore** Phone +65 6744 6828, info@munters.com.sg **South Africa** Phone +27 11 971 9700, info@munters.co.za **Spain** Phone +34 91 640 09 02, marketing@munters.es **Sweden** Phone +46 8 626 63 00, avfukning@munters.se **Switzerland** Phone +41 52 343 8886, info.dh@munters.ch **Thailand** Phone +66 2642 2670, info@munters.co.th **Turkey** Phone +90 262 751 3750, info@muntersform.com **UAE** +971 4 8809295, middle.east@munters.com **United Kingdom** Phone +44 1480 432 243, dryair@munters.co.uk **USA** Phone +1 978 241 1100, dhinfo@munters.com **Vietnam** Phone +84 8 8256 838, vietnam@muntersasia.com

