



Labotek materials handling system, nicely placed inside the amazing artistic factory deco.

“Gearing up”

Winzeler Gear is like no other precision plastic gear facility. Your first step into the building is a step into a gallery of Fashion Gear Art.

Every step thereafter can be a surprise, since here is a creative gear company that makes you think differently about gear design and manufacturing.

The company, located in Chicago, was founded in 1940 by Mr Harold Winzeler and is known internationally as a prominent supplier of high quality precision injection molded gears. Winzeler Gear HQ, in Chicago.

Today, the company is headed by the 3rd. generation, Mr John Winzeler and the facility is operating as a fully automated production facility, with a company-wide philosophy, combining streamlined manufacturing processes, creative thinking and strategic relationships between company, customers and suppliers.

In pursuit of quality, productivity and cost control, Winzeler has invested in leading edge automation throughout the plant. Back in year 2002 a Labotek materials handling system was chosen, the company has expanded this system step by step over the past 14 years.

The Labotek drying, dosing and conveying system, has in 2016 undergone an upgrade into Gravi-Dryer[®], which is capable of tracking the filling & discharge of plastic raw materials via the “gain in



Mr John Winzeler

weight” & “loss in weight principles” in the most energy efficient way available. The Gravi-Dryer® has proven accuracy down to +/- 0.5% and enables full control and tracking history of the individual material consumption for each drying hopper and will ramp the airflow up and down according to the actual consumption.

The system includes an SQL data base, where the raw material process values are kept for quality purposes, allowing the company the ability to secure the track record of the processes.

“You might say that we have now once more geared up to the latest technologies within materials handling”, John Winzeler states and continues: “even though our initial Labotek system components has been in operation for almost 14 years, we have been able to opt - and expand the Labotek hardware components through the use of the latest software and Gravi-Dryer® load cell technology. Presently, we are operating one of the most sophisticated materials handling systems available in the market. The energy we consume for drying of our raw materials, is constantly adapted to the actual consumption, and this ensures that we are not wasting precious resources.”



Examples of Winzeler Gear products

Labotek’s marketing manager Thomas Ringheim adds:

“we are thrilled to be a partner of Winzeler Gear and it is such a joy to see the Labotek equipment integrated and gradually expanded in this globally known unique factory environment. The Gravi-Dryer® technology is already favored by our customers for the adaptive behavior, thus every plastics processing facility has daily changes in their capacity demand. Recently we have been opting numerous existing Labotek installations to the latest Gravi-Dryer® technology, and Winzeler Gear is one of those.”

Labotek A/S was founded in 1943 and is 100% Danish-owned, with its headquarters in Frederikssund, Denmark. Today, Labotek is one of Europe’s leading innovative producers, all about ancillary equipment and centralized systems for the plastics industry. Labotek is member of the Labotek group placed in Scandinavia, Germany and India, and have a worldwide distribution network of more than 50 dealers and agents.

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