APPLICATION OVERVIEW:
DryLin® R replaced recirculating ball bearings that required frequent maintenance and re-lubrication.

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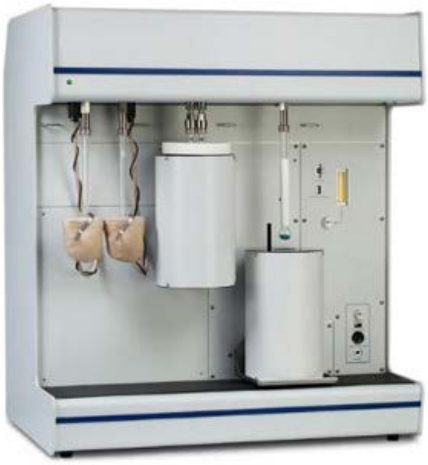
CASE STUDY

PHYSISORPTION AND CHEMISORPTION ANALYZERS

for advancements in particle science technology

A manufacturer of scientific instruments and laboratory equipment used for applications and research in particle science technology uses DryLin® R linear bearings.



The company ' s products are essential for determining the physical characteristics of powders and solid materials in areas such as pharmacology, cosmetics, nanotechnology, paints, pigments, food science, ceramics, textiles, geological science, and polymer science.

DryLin® R linear bearings are used in a series of physisorption and chemisorption analyzers, which are designed to deliver consistent and reliable determinations related to surface area, pore structure, and active metals for quality control and R&D applications. The analyzers control and optimize material selections, which saves users a significant amount of money.

DryLin® R linear bearings are specifically used in the analyzer's elevator unit to facilitate the up and down motion of either the cooling bath or furnace during the sample analysis process. The bearings replaced recirculating ball bearings that required frequent maintenance and re-lubrication. DryLin® R linear bearings are self-lubricating, corrosion resistant and ideal for the sterile environments where the analyzers are used. DryLin® R linear bearings are not only a cleaner, maintenance-free alternative to recirculating ball bearings, but also extremely cost effective. The scientific instrument manufacturer is able to save more than $36,000 per year as a result of the switch

DryLin® R

More linear bearing applications