



**APPLICATION OVERVIEW:**  
iglide® G300 plastic bushings are lightweight and space saving and reduced manufacturing costs for this packaging company.

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# CASE STUDY

## PACKAGING INDUSTRY APPLICATION

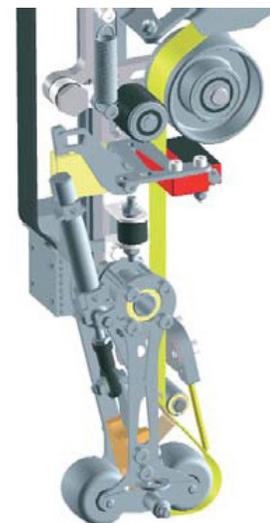


### Plastic bearings on a packaging machine

#### Design criteria: "low weight" and "space-saving"

A manufacturer providing various types of packages with a carrier handle uses a highly dynamic powered application head that has to be as lightweight and small as possible. The application head starts spontaneously on demand through a simple pressure-sensor system and provides up to 70 packages with a carrier handle in one minute. The operation takes place in single-, dual- or three-track options - thus up to 210 packages are possible in a minute. To guarantee this quick timing and positioning accuracy, the bearings used in the application head have to be lightweight and space saving. igus® plastic bearings deliver both.

iglide® plastic bushings and igubal rod end bearings also helped to reduce manufacturing costs, lower coefficients of friction, and enhance service life. They are lubrication- and maintenance-free, as well as vibration dampening.



Said a spokesperson, "There was no alternative to the plastic machine components; taking into consideration the permissible weight, space and costs. The decision to use igus® as our supplier made thing easy for us. We had already worked with them many times and the company is always innovative and good at overseeing projects."

The packaging machine uses iglide® G300 plastic bushings. This economical all-rounder withstands extremely high loads and functions with low to medium surface speeds. The self-lubricating effect makes them maintenance-free and dry-running, as well as insensitive to dust and dirt. Like all iglide® bearings, the high-performance material is composed of base polymers, fibers, and solid lubricants. Coefficients of friction and wear rate are kept as low as possible. iglide® plastic bushings are also chemical resistant.

### **More product information**

[iglide® G300](#)

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[Plastic bearings - applications overview](#)