

Roller conveyor drive with elastic flat belts

Initial situation

Conventional drive shafts are usually designed and mounted as a combination of rollers with beads and our high-performance round belts RONDLAST®.

This is different with the roller conveyors of the traditional, family-run window manufacturer in central Europe. Here, the special conveyor system manufacturer provided and designed elastic flat belts like those sold by the manufacturers as finger or wedge spliced drive belts.

The failure rate at the connection point is too high for our customer; the technical engineer comes to the engineering team of the Dipl. Ing. Werner Graf AG with the desire for a truly endless elastic flat belt thus maximizing operational reliability.

Task

For an optimal operational design and thus the maximum possible product service lifetime, we need technical information such as string measure of the cord, the load capacity per roller, rotation speed of the rollers and shaft diameter as well as environmental influences. Our engineering department calculates the pre-tensioning design so that the manufacturer can profit from the maximum performance of our quality products.

Solution

After successful function tests, our customer decides to replace all the spliced belts in operation as part of a system overhaul during the company holidays and therefore trust our quality. For many years now, our Crelast® elastic flat belts will convince in terms of quality and quickly amortize the cost-effectiveness in terms of replacement.

We would be happy to support you in optimizing your drive application and are at any time on your disposal.

