

Case Study No 12

GERICKE ELBOW OPERATING AT ONE OF THE LARGEST MILLING COMPANIES IN SWITZERLAND

Object Grain processing plant for the production of flour, semolina and flakes.

Customer Swissmill Zurich (Subsidiary of Coop Group, Switzerland).

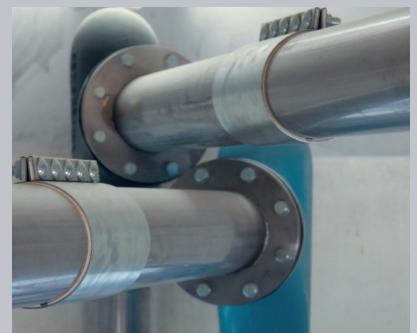
Purpose The grain generally arrives at Swissmill by train, where it is given a rough clean before being put into storage. Once this has been completed, the products have to be conveyed safely to the respective silos, mills or machines before leaving the plant as a final product by truck.

Thanks to their sturdy construction and space-saving features, Gericke elbows have been used in extensive conveying lines for over a decade.

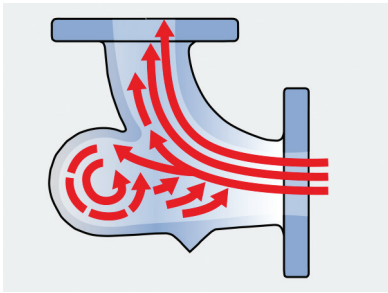
Product Over 100 different types of flour, semolina and flakes are produced at Swissmill.

The primary selection on offer includes soft and hard wheat, oats, corn, flour blends, speciality flours, extruded products and custom blends.

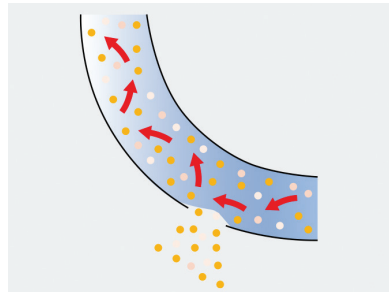
Depending on the product, up to 1000 tonnes can be processed each day.



With Gericke Elbow



Without Gericke Elbow



Gericke Technology

There are currently around 90 Gericke elbows from size 65/90 to 150/90 in use in the partially-listed Swissmill buildings.

Swissmill's latest granary construction project "Kornhaus" is now in full swing and will extend the height of the silo from 40 m to 120 m. Many of the existing conveying lines for by-products have had to be repositioned in other areas of the building to accommodate this project.

Thanks to their long-standing positive relationship with Gericke, the millwrights at Swissmill will also be using the elbows for their new conveying lines.

The advantages compared to long radius bends are as follows

- Reduced turbulence thanks to the patented deflection chamber
- Compact pipework design
- Gentle product transportation
- Reduced pipe wear
- Minimal drops in pressure
- Less product friction
- No angel hair formation
- Fast installation

