



## Turn key milk nutrition recipe preparation and mixing systems

**Gericke develops and delivers equipment and systems for powder handling systems for more than 100 years. The product range has been especially adapted to the requirement of the food and infant nutrition processes.**

Turn key milk powder handling and mixing systems form a part of Gericke's expertise in which many systems have been installed worldwide in the factories of major nutrition factories. The applications include:

- Infant nutrition
- Adult nutrition
- Dietetic nutrition
- Anti-Allergenic nutrition

The products are based on milk powder as well as cereals.

Gericke has established a unique know how about the batch or continuous mixing and formulation of milk powder products.





As manufacturer of dense phase conveying systems, feeders and mixers, Gericke includes the latest scientific findings into its supplies.

Hygienic aspects find its entry into the plant layout as well as into the equipment design:

- No hollow bodies
- Cantilevered shafts
- Extractable mixing tools
- Easy to clean loss-in-weight feeder
- Hygienic filter equipment
- Control systems with traceability function

Typical process operations of nutrition plants that are delivered by Gericke:

- Tipping, quality screening and conveying of raw materials
- Precise automated weighing equipment for upstream agglomeration processes
- Continuous Gravimetric metering of minor ingredients into spray dryer
- Gentle dense phase conveying after cooler of instant products
- Final formulation as batch or continuous operation of base powders with micro ingredients
- Automation

The fact that our esteemed customer contact us on a repeatedly base prove their satisfaction with our equipment, services and the skills of our engineers during project management, installation and commissioning.



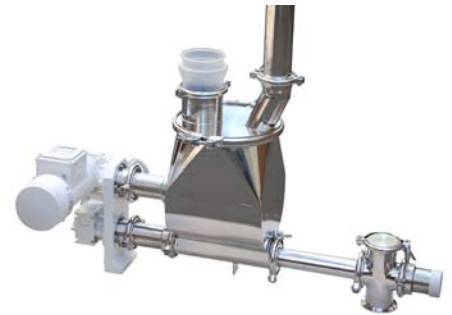
### **Trials carried out at our Test Centre provide valuable information**

The material to be handled can be tested with all Gericke systems in industrial conditions at our Test Centre. Laboratory tests provide information concerning general flow characteristics such as fluidisation capacity or compressibility of a product and facilitate the selection of the right system.



**Hygienic Feeder Gericke GZD, volumetric execution:** For feeding of micro ingredients like trace elements, vitamin, probiotics.

FDA, EHEDG, ATEX compliant



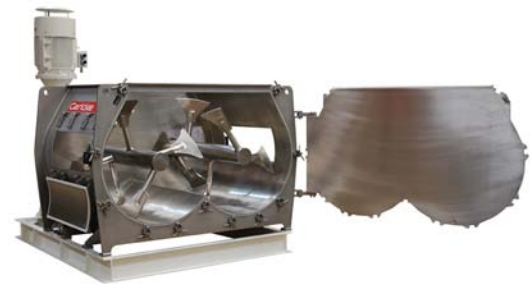
**Hygienic Feeder Gericke GZD, gravimetric execution:** For continuous feeding of trace elements, vitamin, probiotics.

FDA, EHEDG, ATEX compliant



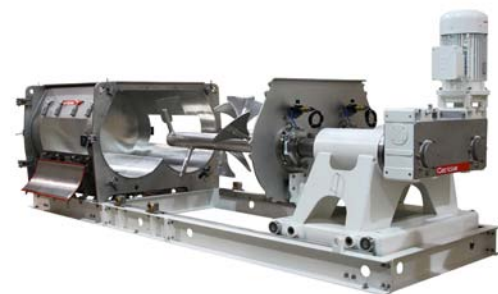
**Batch mixer GMS C:** Cantilevered double shaft mixer for highest mixing homogeneity and easy access through front and lateral doors.

FDA, EHEDG, ATEX compliant



**Batch mixer GMS EC:** Cantilevered and extractable double shaft mixer; solid mixing shafts; access through front and optional lateral doors and by pulling back the mixing rotor.

FDA, EHEDG, ATEX compliant





**Continuous Mixer GCM EC:** No hollow bodies, cantilevered shaft, fully extractable; special hygienic, dismountable sealings.

FDA, EHEDG, ATEX compliant



**Dense phase conveying technology PTA and PHF:** After spray dryer for gentle transfer to conditioning lines; minimum increase of bulk density or fines.

FDA, EHEDG, ATEX compliant



**Gericke Rotary Valve:** Extractable for easy handling, inspection and cleaning; optionally equipped with Rotasafe™ contact detection system, which indicate a potential damage or metal part in the valve.

FDA, EHEDG, ATEX compliant



**The „Hygienic Product Range“ manufactured by Gericke covers the entire powder processing line including all the interfaces and integration of the equipment!**

Please contact us: [info@gericke.net](mailto:info@gericke.net)

For further information: [www.gericke.net](http://www.gericke.net)