

## COMPACT INDUSTRIAL MIXING SOLUTIONS

Gericke mixing technology plays a key role in many production plants around the world. From chemical to food and pharma, customers rely on our expertise in this complex process step.

With the family of compact mixers starting at mixing volumes of 1 liter, Gericke brings its proven technology now also to:

- Small production batches
- Product and recipe developments
- Process design
- Pilot plants
- Premixes



# COMPACT SIZE – HUGE PERFORMANCE

## GMS COMPACT MIXER

The **GMS Compact Mixer** brings the superb mixing quality and speed of the GMS family to laboratory, R&D and pilot plant batch sizes, with useable volumes from 1 to 20 l.

### Your benefits

- Reduced R&D costs because of low minimal filling volume
- Easy dismantling of the mixing tools and the mixing chamber
- Interchangeable mixing chambers
- Operating at the optimal Froude number of 1.1, it preserves your high - quality ingredients

### Applications

- Recipe development
- Pre-mixes
- For agile product development due to very short mixing times
- Scaling-up on an early development stage



## GBM MINI BATCH BLENDER

The Gericke Mini Batch Blender is a semi-continuous inline approach to make continuous manufacturing suitable for low dosage, low volume, highly potent products. It combines advantages of the traditional batch and true continuous manufacturing processes to generate a simplified system. Choose between the integrated Gericke Formulation Skid GFS or standalone equipment for early phase development.

### Your benefits

- Maximal mixing homogeneity (even with very low API concentrations)
- Minimum batch sizes < 1 – 3 kg
- No start-up losses
- Simple feeder start up
- Suitable for 0 – 20 kg/h without scale up
- Simple material tracking no RTD modelling
- Simple Integration of PAT, even Raman feasible
- Simple control strategy
- High containment, Wash-in-Place WIP



## GCM CONTINUOUS MIXER

Gericke Continuous Mixers GCM offer the optimum combination of radial and axial mixing (dispersion), ensuring highest homogeneity with low RSD. The shape, layout and adjustment of the Gericke mixing tools have been developed based on upon 50 years of experience in continuous mixing and in collaboration with universities. The residence time and the energy input can be adjusted easily.

### Your benefits

- Starting at continuous mixing capacities of 1 kg/h
- Maximal mixing homogeneity even with very low ingredient concentrations
- Minimal start-up losses
- Interchangeable housing and mixing tool
- Minimal product residue at the end of the process, with good residue discharge
- Low space (consider footprint) requirements even with large throughputs
- Removable mixing tool and housing for fast and hygienic cleaning





# YOU THINK BIGGER? WE ARE WITH YOU.

**Single shaft batch mixers up to 30.000 l**  
**Double shaft batch mixers up to 5.000 l**  
**Continuous mixers up to 150.000 l/h**

We manufacture and integrate the right feeders and powder handling system, and also take care of automation and complete engineering.

Gericke is the competent partner for all your powder processing needs.



**Switzerland**  
Gericke AG  
[gericke.ch@gerickegroup.com](mailto:gericke.ch@gerickegroup.com)

**Netherlands**  
Gericke B.V.  
[gericke.nl@gerickegroup.com](mailto:gericke.nl@gerickegroup.com)

**China**  
Gericke (Shanghai) Pte Ltd.  
[gericke.cn@gerickegroup.com](mailto:gericke.cn@gerickegroup.com)

**Germany**  
Gericke GmbH  
[gericke.de@gerickegroup.com](mailto:gericke.de@gerickegroup.com)

**USA**  
Gericke USA, Inc.  
[gericke.us@gerickegroup.com](mailto:gericke.us@gerickegroup.com)

**Indonesia**  
Gericke Indonesia (Rep. Office)  
[gericke.id@gerickegroup.com](mailto:gericke.id@gerickegroup.com)

**France**  
Gericke SAS  
[gericke.fr@gerickegroup.com](mailto:gericke.fr@gerickegroup.com)

**Brazil**  
Gericke Brasil Ltda.  
[gericke.br@gerickegroup.com](mailto:gericke.br@gerickegroup.com)

**Thailand**  
Gericke Thailand  
[gericke.th@gerickegroup.com](mailto:gericke.th@gerickegroup.com)

**United Kingdom**  
Gericke Ltd.  
[gericke.uk@gerickegroup.com](mailto:gericke.uk@gerickegroup.com)

**Singapore**  
Gericke Pte Ltd.  
[gericke.sg@gerickegroup.com](mailto:gericke.sg@gerickegroup.com)

**Malaysia**  
Gericke Malaysia  
[gericke.my@gerickegroup.com](mailto:gericke.my@gerickegroup.com)

*For all other countries please contact Gericke AG Switzerland.*

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