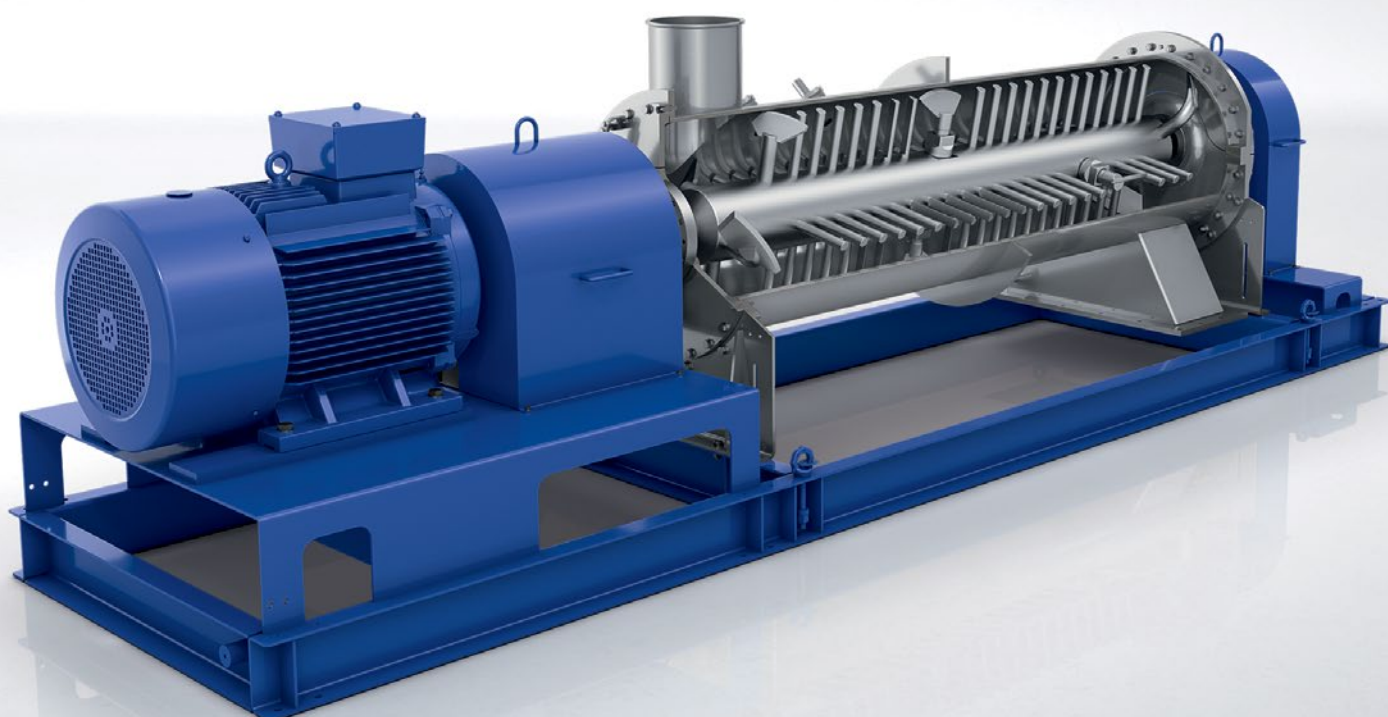


RING LAYER MIXER (HRM)

Continuous mixing with high peripheral speed

TRANSFORMING
MATERIALS INTO VALUE



VERSATILE PROCESS OPTIONS

Mixing in seconds.

✔ **Microgranulation**
Producing flowable powders.

✔ **Temperature control**
Maintaining constant temperatures with cooling jacket.

✔ **Hydrolyzing with steam**
Preparing homogeneous pastes and slurries.

✔ **Solubilization of fibers**
Improving the wettability of products.

✔ **Intensive solid-liquid reaction**
Running chemical reactions accurately.

✔ **Special designs**
Chemical, food and heavy duty design including ATEX, EHEDG, GMP and FDA design features.



INTENSIVE SOLID-LIQUID MIXING

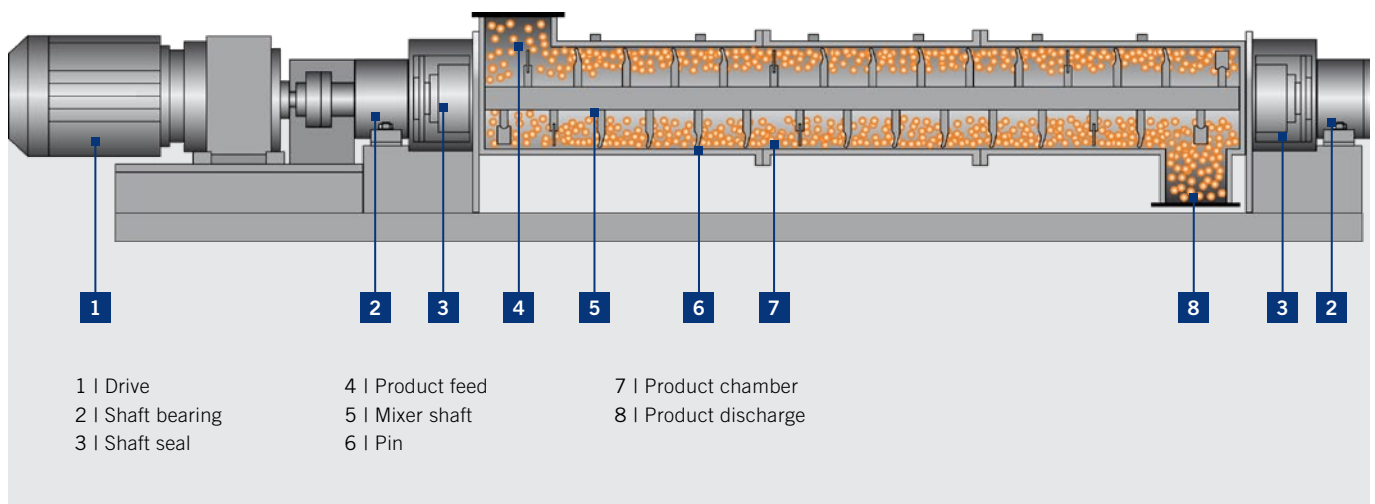
Compact mixer for high throughput rates.

The BHS **ring layer mixer** is a horizontal, continuously operated system. It delivers consistent mixing quality in a short process time. The feed material is supplied via precise metering devices and nozzles. The product is set into a highly turbulent circular motion and conveyed towards the outlet in fractions of a second. Mixing intensity and retention time are controlled by speed, specifically shaped pins and their arrangement on the shaft. The finished product is discharged through a special chute.

Advantages

- ✓ High mixing intensity
- ✓ Consistently reproducible product quality
- ✓ Peripheral speed of up to 50 m/s
- ✓ Agglomerate-free mixing in the ring layer
- ✓ Easy cleaning

Mixer design



[More information](#)

www.bhs-sonthofen.com/hrm

TOP PERFORMANCE IN EVERY DETAIL

Benefit from superior technology.

OPTIMUM MIXING QUALITY 1

- Application-specific mixing unit
- Precise liquid addition via nozzles
- Narrow wall clearance, minimized dead space
- Precision shaft for low-vibration operation

SAFE MIXING PROCESS 2

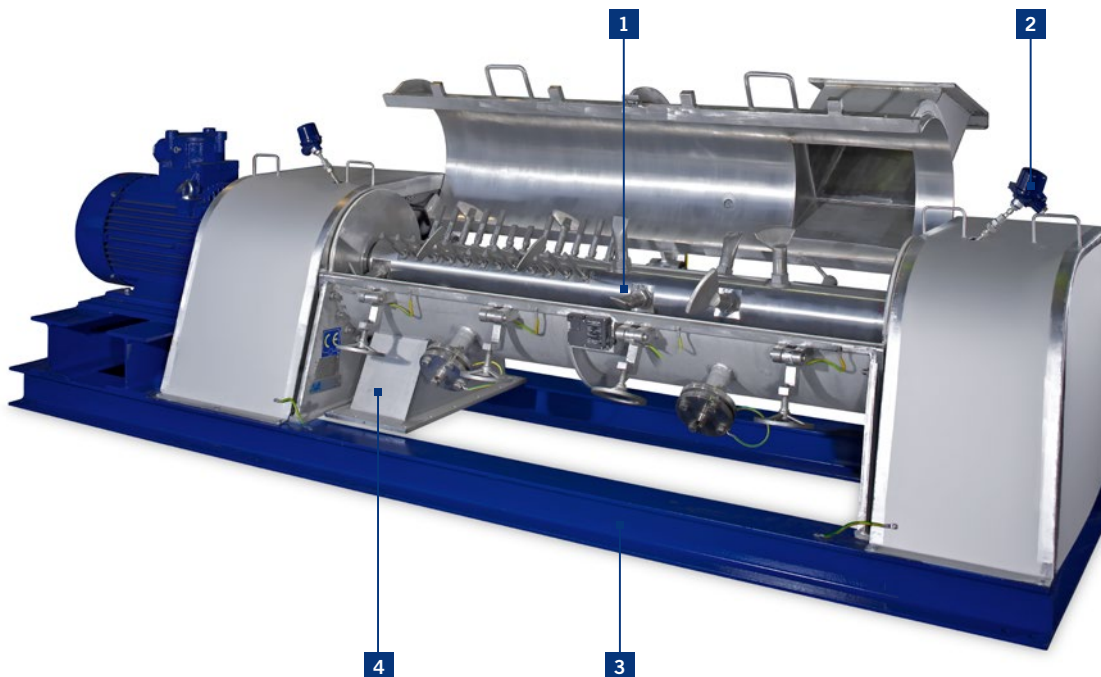
- Explosion-proof system (ATEX)
- Automated, monitored process
- Suitable for demanding operating conditions

SIMPLE PROCESS INTEGRATION 3

- Compact design
- Complete system incl. peripherals
- Fast commissioning and short integration time




VARIABLE OPERATION 4

- Large throughput capacity range
- Wide range of mixing ratios
- Adjustable speed and exchangeable pins



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BHS-Sonthofen GmbH Process Technology ▪ An der Eisenschmelze 47 ▪ 87527 Sonthofen ▪ Germany

 www.bhs-sonthofen.com  +49 8321 60 99-530  process-technology@bhs-sonthofen.com