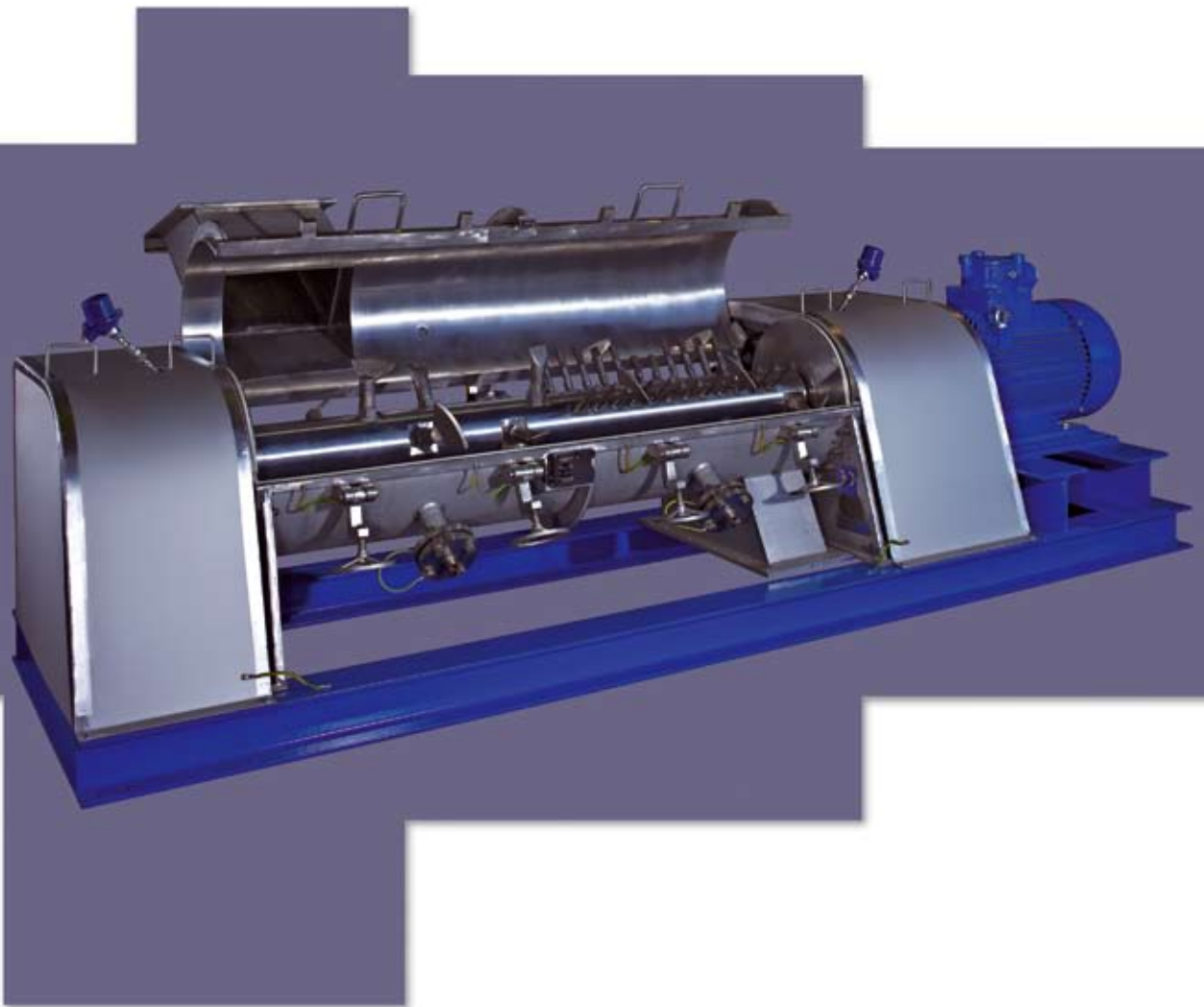


Ring Layer Mixer



AVA Ring Layer Mixer HRM

Intensive mixing in a ring layer

Range of applications

- Pharmaceuticals
- Agro chemicals
- Cellulose
- Chemicals
- Detergents
- Adhesive bonding compounds
- Fine chemicals
- Plastics
- Production of paste
- Food
- Fibre processing
- Chipboards



Method

The mixing effect is based on a high circumferential speed of up to 50 m/sec. The resulting centrifugal force brings the product into a ring layer at the periphery of the mixing drum. The high speed difference between the rotating mixing elements and the mixing drum combined with the use of different mixing elements guarantees a very high mixing intensity. Fluids are injected tangentially into the product through special nozzles.

Processes

- Mixing
- Granulating
- Disintegrating
- Humidifying
- Dispersing
- Melting
- Compacting
- Agglomerating
- Tempering
- Microgranulating

AVA Test Centre

To gauge the efficiency of the AVA systems a modern test centre is available. Working with actual ingredients our process engineers help you to develop new products and to perform scale up tests for the layout of production machines. There are also rental machines available to perform tests at the clients' site.

AVA Ring Layer Mixer HRM

Granulation at its finest



Advantages

- Very intensive mixing
- Highly effective mixing of solids with fluids for the production of pastes
- Production of micro granules up to granules in the range of millimetres
- Optimal disintegration of fibre products
- Very short retention time - therefore small machine sizes with high throughput
- Optimal utilization of the installed power

Mixing agitator for microgranulation



HRM agitator for powder products



HRM with PTFE lining



HRM with inspection doors

Design alternatives

- Completely closed mixing drum with extractable agitator
- Mixing drum with inspection doors
- Longitudinally divided and hinged drum for easy cleaning and demounting of the main shaft
- GMP design with CIP / SIP equipment
- Heating / cooling of the drum
- Antiabrasive lining for optimal wear protection
- Replaceable half shell lining
- Antiadhesive lining
- Mixing elements with hard metal coating
- Materials from carbon steel to Hastelloy



AVA-Huep GmbH u. Co. KG

Heinestr. 5
82211 Herrsching • Germany

Fon +49 8152 9392 - 0
Fax +49 8152 9392 - 91
info@ava-huep.de
www.ava-huep.de