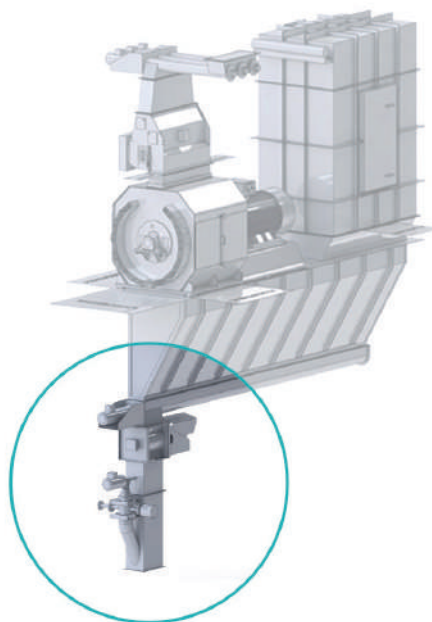




Online Particle Size Controller OPC



It All Depends on the Grinding

Particle Size Reduction Technology for Your Application

- ▶ Grinding
- ▶ Pre-Crushing
- ▶ Grinding Module
- ▶ Plant Engineering

This is Tietjen

Since 1959 we have been developing, designing and producing hammer mills and size reduction technology in Germany. Complex plants are our specialty: From the first contact, over the delivery of the perfect plant to the service, we are your competent partner.

We develop your solution and take care of the implementation - worldwide.

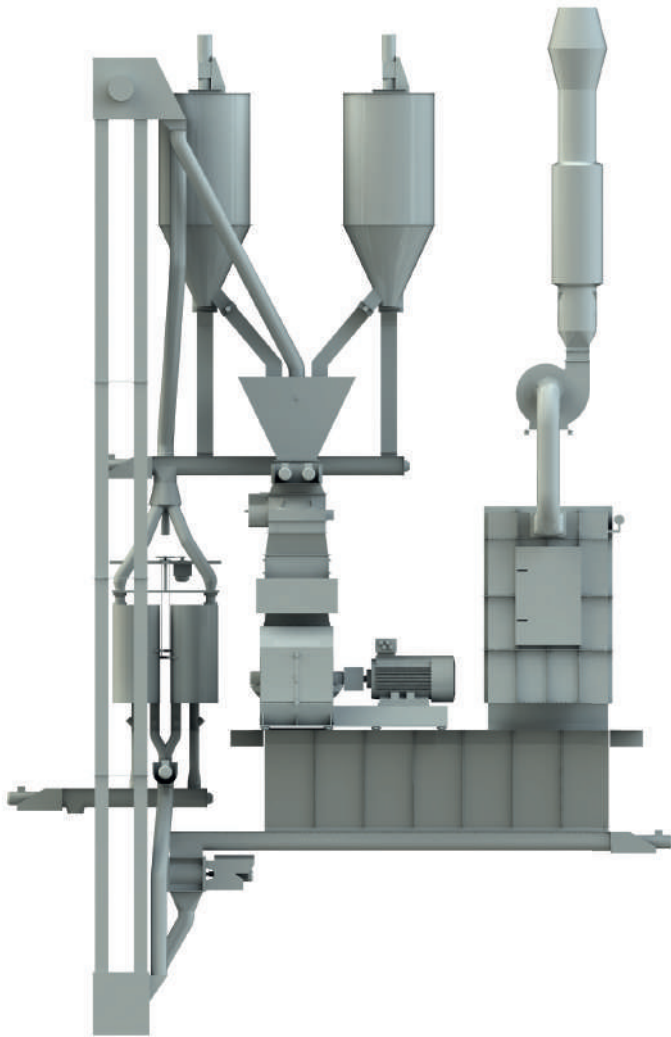
- ▶ Continuous control of grist spectrum between 160 and 6000 micron
- ▶ Consistent grist spectrum over time and multiple batches or recipes
- ▶ Condition-based maintenance according to actual status of screens and beaters
- ▶ Future development: self-learning grinding system with automated variation of grinding parameter like rotor speed, aspiration or screen type



Tietjen Verfahrenstechnik GmbH
Tel.: +49 (0)4106 / 63330
info@tietjen-original.com
www.tietjen-original.com


MADE IN GERMANY

Plant Engineering



Installation for grinding dog and cat food to a fineness $< 800 \mu\text{m}$ with Tietjen hammer mill and a cross-yoke classifier. ▶

Every design and plant is unique. We analyse our customers' requirements with regard to the desired grinding result, structural conditions and process specifications.

Our Turnkey Solutions Include for Example:

- ▶ Feeding & dosing
- ▶ Hammer mill
- ▶ Sifting & sieving
- ▶ Controlling & sensors
- ▶ Aspiration & filtration
- ▶ Dust explosion protection
- ▶ Further steps like mixing & conveying



Our Hammer Mills

✔ Your Advantages

- ▶ Simple and very economical operation compared to other size reduction equipment
- ▶ Particle size distribution adjustable by varying the machine parameters (screen perforation, beater configuration and rotational speed)
- ▶ Optimized for coarse and fine grinding depending on the mill
- ▶ High machine availability, long service life and easy maintenance
- ▶ Explosion-proof and flameproof design according to ATEX
- ▶ Fine grinding with hammer mill FD up to $d_{98} \% < 400 \mu\text{m}$, with impact-classifier mill TICM $d_{98} \% < 200 \mu\text{m}$