High-compression PesaMill™ MDGA
Innovative grinding technology
For maximum flexibility

When it comes to flexible application options for flour production, the Bühler high-compression PesaMill™ offers the ideal solution for a variety of flour qualities. As part of a seamlessly integrated grinding system for producing flour, PesaMill™ sets new standards in terms of food safety, flexibility, energy efficiency and operating costs.

Broad spectrum of applications for flour production

When used with different grinding systems, the high-compression PesaMill™ can produce various flour qualities, including Atta flour, whole wheat flour for flat breads, dark flour and standard bakery flour.

PesaMill™ allows flour characteristics to be flexibly adjusted for individual requirements. Parameters for yield, starch damage and water absorption can be easily, quickly and accurately set for different qualities of flour.

Innovative technologies for consistent product quality

As a key component of integrated grinding systems, PesaMill™ is particularly flexible in use. For example, a single PesaMill™ can replace up to twenty traditional stone mills used for Atta flour production. The sturdy design ensures consistent product quality and long-lasting, reliable operation.

Advantages

- High flexibility
- Optimum energy efficiency
- Reduced operating costs
- Maximum food safety
- Intelligent design

PesaMill™ offers maximum quality and flexibility in the production of high-quality flour varieties.
Smart design
For optimum sanitation and efficiency

Reduced operating costs
PesaMill™ features durable, wear-resistant steel rolls. The high-compression mill minimizes plant downtime, increases productivity and allows reliable 24/7 operation. After a power failure, the system can immediately restart the operation – keeping product quality consistent.

Sturdy design
During the development of the high-compression mill, special attention was paid to designing a sturdy machine. This ensures safe and reliable operation, even under demanding production conditions.

Maximum food safety
PesaMill™ is made of food-safe materials and meets current sanitation requirements. The smart design makes it easy to clean, ensuring a high level of food safety. In addition, the use of steel rolls, instead of stones, for grinding means that contamination from stone abrasion and chemicals are a thing of the past.

High flexibility
PesaMill™ has a flexible grinding gap adjustment. Flour characteristics such as starch damage and water absorption can be conveniently and accurately adjusted using the circulation system and grinding gap adjustment.

Optimum energy efficiency
Two direct drives with motor and gearbox power the PesaMill™, contributing to energy efficient operation and thus lower energy costs.
Universally applicable
For any grinding system

PesaMill™ is the key grinding component for both CombiMill and Atta flour processes. With the help of the PesaMill™, the typical flour characteristics for flat breads, such as starch damage and water absorption, can be flexibly controlled. All grinding systems have the following in common: they offer the highest food safety and consistently high-quality flour.

Industrial Atta flour production with PesaMill™

The high-compression PesaMill™ offers significant advantages in the Atta process compared to traditional stone mills. In addition to a higher yield and lower energy consumption, the high-compression mill also allows the flour characteristics to be flexibly adjusted. Additionally, the maintenance costs are significantly reduced. PesaMill™ enables a reliable production of various Atta flour qualities, required for finished products such as Chapati, Roti and Puri.

CombiMill process with PesaMill™

In a CombiMill, several different flour qualities can be produced with one single milling system. The application areas range from standard bakery flour to dark and whole wheat flour for finished products such as Arabic bread, pitta bread and markouk.
Local Application Centers
For market-oriented solutions

Bühler is at the heart of the local markets with more than ten Application Centers worldwide. In these centers, Bühler specialists develop new and innovative solutions, in collaboration with customers, to better meet local and regional needs and preferences.

Closer to customers with innovation laboratories

Bühler Application Centers are state-of-the-art development and test facilities for simulating and testing processes, as well as for manufacturing products. In the Application Center in Bangalore (India), the PesaMill™ can be thoroughly tested under realistic production conditions.

The Bangalore Application Center was opened in 2010 and features cutting-edge technologies. Comprehensive product and machine tests, as well as practice-oriented training courses, can be carried out to help mill operators expand their process knowledge and practical experience. The insights and operational parameters are integrated into new, innovative applications for the customer.

The Bühler Application Center in Bangalore for process developments, trainings and tests

Valuable practical knowledge through comprehensive training
Made-to-order service
For safe production

In order to keep the reliability of the processes and equipment at the highest level, Bühler offers its customers comprehensive services and tailor-made service packages for every need. The competent advice of experienced experts ensures optimal service at all times.

Plants and production processes in top condition

Bühler offers both individualized services, as well as comprehensive, total service packages, to ensure smooth operation of the PesaMill™. Over 1000 highly trained service technicians, in over 140 countries, offer onsite advice and support, including customized maintenance contracts, fast repairs and support services, as well as innovative retrofits.

A selection of our services:

- **Retrofits**
  - Current technology and efficiency standards
  - Lower operating costs
  - Longer operating life
  - Fast adjustments

- **Repairs**
  - Short response times
  - Reduced downtimes
  - 24/7 international helpline

- **Spare and wear parts**
  - Extended lifecycle for machinery
  - Top operational safety
  - Bühler warranty

- **Consulting**
  - Process optimization
  - Increased productivity
  - Greater energy efficiency

- **Training**
  - Training and further education in training centers around the world

- **Maintenance**
  - Minimized downtimes
  - Highest reliability and availability
  - Planned machine servicing
Long-life technology
For reliable operation

Overview of the technical data for the PesaMill™ MDGA:

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<td>CombiMill</td>
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High-compression PesaMill™

MDGA