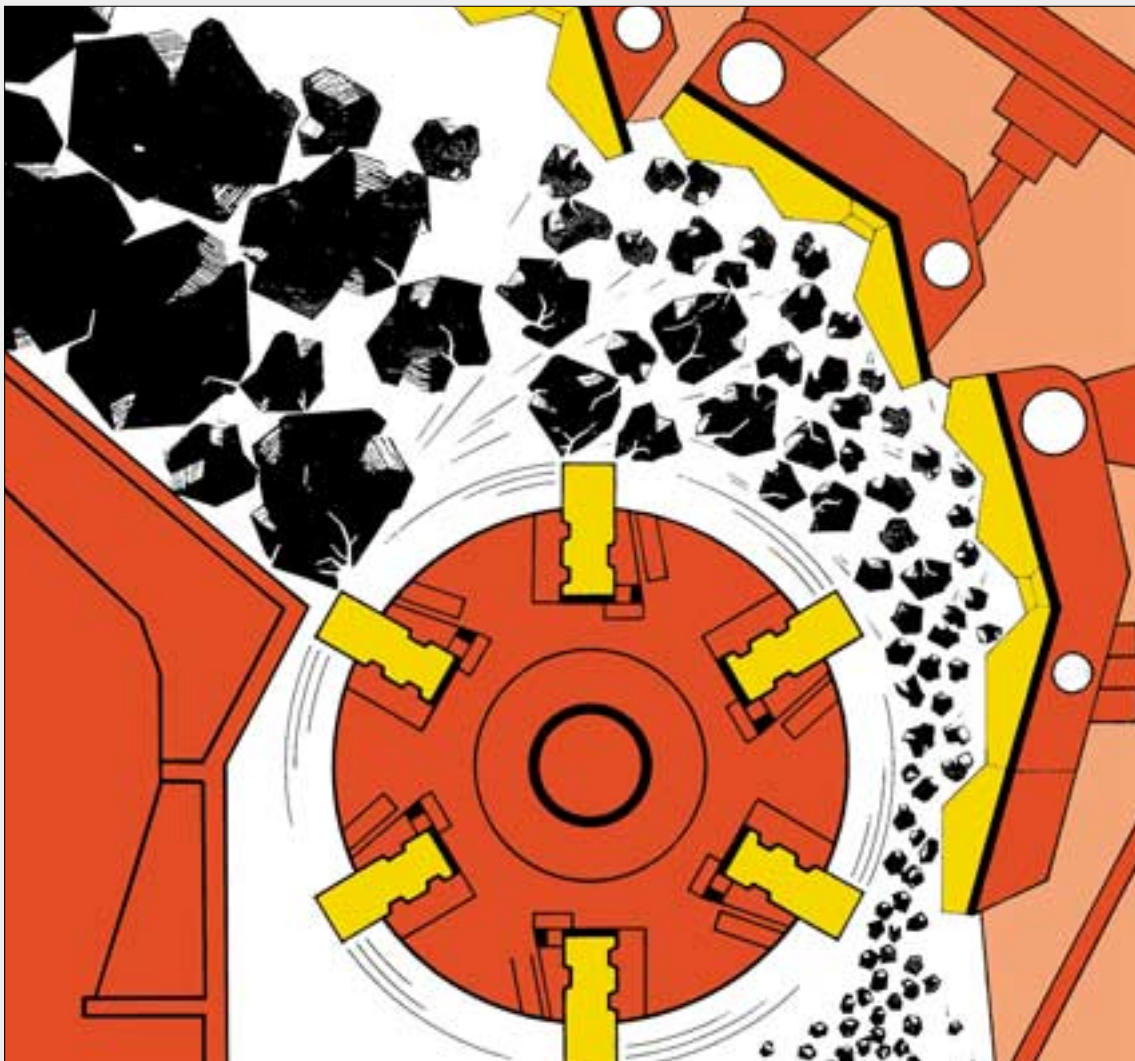


FOR MEDIUM-HARD

IMPACT MILL

FEED MATERIALS



AUBEMA
MASCHINEN MIT BISS

◆ THE FIELDS OF APPLICATION

The AUBEMA impact mill is mainly used for primary and secondary crushing in the sectors of mining, ceramics, iron and steel industries, as well as environmental and recycling technology and the pit and quarry industry.

◆ THE FEED MATERIALS

Soft to middle-hard rock, e.g. limestone and gypsum rock, salt, various types of ash and slag, hard coal, overburden and similar materials.



Impact mill for crushing of hard coal, equipped with a hydraulic mechanism to open the crusher housing, type 1111.

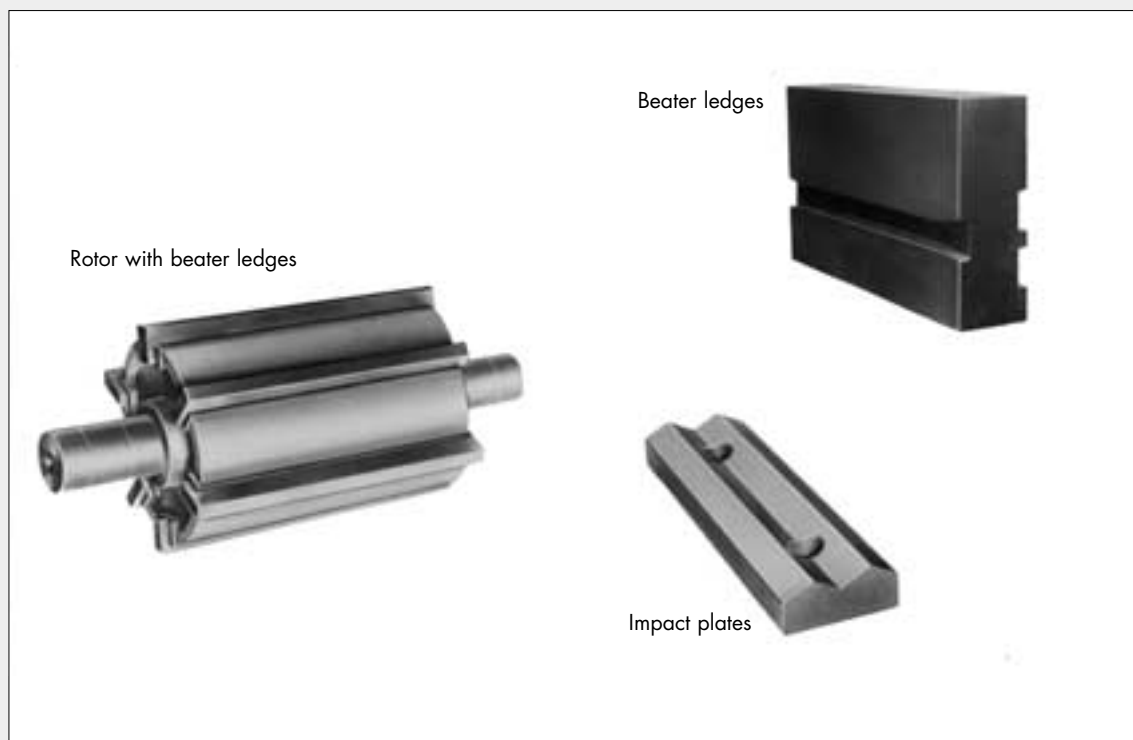
THE MODE OF OPERATION

After entering the crushing radius of the rotor, the feeding material is grasped by the beater ledges, flung against the impact rockers and crushed by repeated impact stress. This produces a largely crack-free final grain with a high cubic proportion of grain. Final grain distribution can be influenced by the setting of the impact rockers towards the crushing radius of the rotor (gap widths) and by the speed of the rotor. The adjustment of the impact rockers is carried out by means of a worm drive mechanism. Compensation for wear of the beater ledges and the impact plates is granted due to the adjustment.

In order to prevent possible damages caused by any foreign matters entering the machine, the impact rockers are spring-mounted, i.e. they can avoid any temporary overloads.

THE WEARING PARTS

- **The impact mill rotor** is designed as a closed rotor in an annealed low-tension welded structure. It is equipped with two, four or six surface-ground beater ledges.
- **The beater ledges** are made of wear-resistant and durable materials. They are pushed up to the rotor holders and then pressed with their entire length against a firm structure via wedge segments. They can be turned and can also be set up at a more elevated level.
- **The impact plates** are also made of wear-resistant and durable materials. They are screwed onto the impact rockers.
- **The housing** is shielded by wearing plates or by highly-alloyed hard-facing in the areas subjected to high stress.



THE VERSATILITY

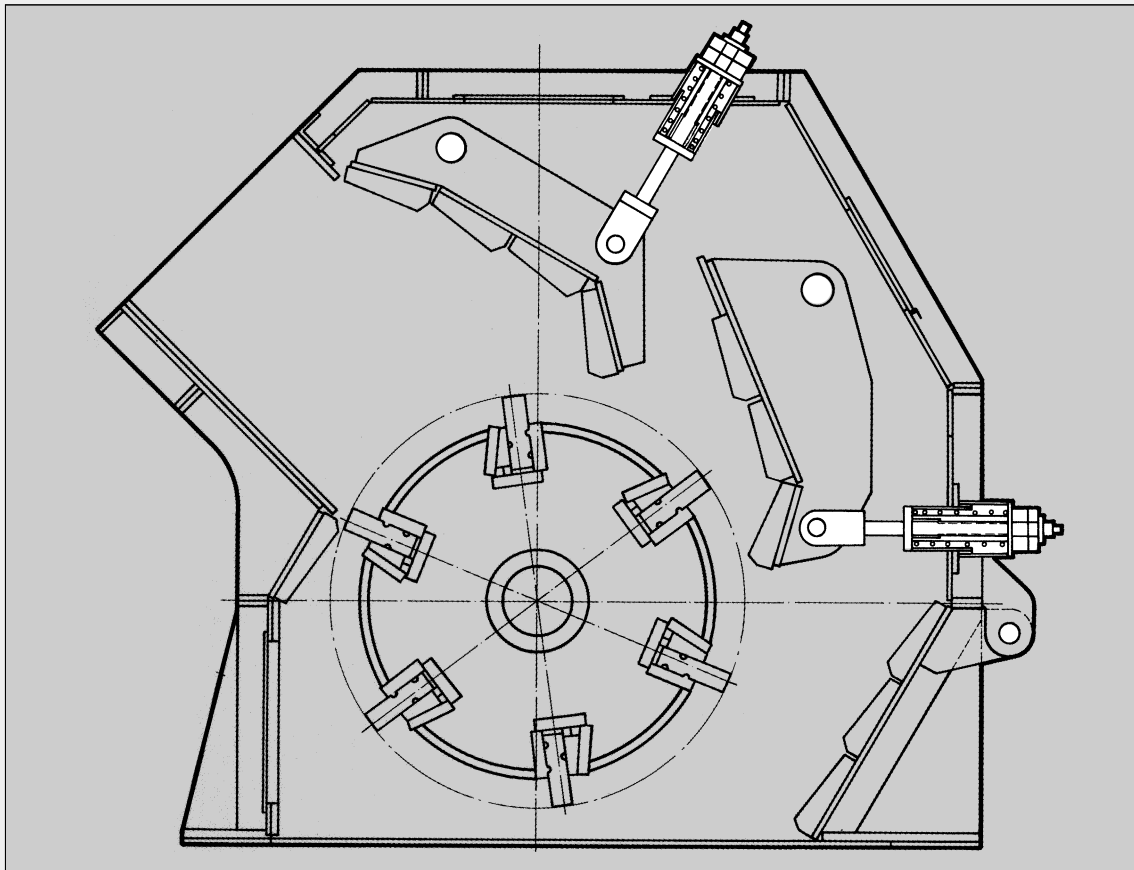
- **Mechanically adjustable impact rockers** to compensate wear and tear and to vary the grain spectrum.
- **Hydraulically adjustable impact rockers** for frequent changes in the type of work to be performed, depending on product quality and grain spectrum.
- **Hydraulically hinged housing** for the swift opening of the housing. The period necessary for replacing worn-out parts, or even a fully-equipped rotor, is considerably shortened.

THE ADVANTAGES

- high and constant capacity
- construction for ease of maintenance
- high level of operational safety
- final grain with high cubic grain proportion
- high reduction ratio
- immunity to foreign substances

THE SCOPE OF APPLICATION

- | | |
|------------------------|--|
| - Capacity: | up to 1000 t/h |
| - Feeding size: | up to 1200 mm |
| - Size of final grain: | up to < 10 mm
depending on the
feed material and
its size |
| - Reduction ratio: | up to 1 : 15 |
| - Required power: | up to 1200 kW |



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