

## The Robust All-Rounder with Quick Screen Change

# HIGH-SPEED HAMMER MILL LDE

The high-speed hammer mill LDE is suitable for use in compound feed production, the food industry, the ethanol production and for grinding a wide range of other products. A special feature is the simple and quick screen change during idling due to pull-out cages in which the screens are mounted.



## Your Advantages

### Efficient Grinding and High Flexibility

- Optimised impact zone with hardened impact plates on both sides of the inlet
- Universal use from fine to coarse grinding possible
- Suitable for the use of all common screen perforations
- Quick screen change allows a selective structure change of the ground material in just a few minutes
- Variable grist spectrum by adjusting the beater circumferential speed (when using a frequency converter), the screen perforation and the beater configuration

### Reliable Operation and Long Service Life

- Robust welded steel construction for continuous industrial operation (24/7)
- Grinding chamber equipped with wear elements to protect the housing, easy to change
- Durable, optimised rotor design, dynamically balanced, operation in both directions of rotation

- To protect the screens: foreign body catch trap for impurities inside the grinding chamber

### High Availability with Low Downtimes

- Quick and easy change of beaters due to beater changing device (option)
- Rotor with short run-down time < 6 min without brake
- Wide-opening doors allow easy and quick access to the machine interior
- 2-piece screen cage system can be changed manually quickly and easily depending on requirements or wear pattern (during idling)

### High Safety of Personnel and Plant

- Standstill monitoring with door safety device
- Pressure shock resistant and flameproof design (0.4 bar)
- ATEX design according to zone 21 (II 2 D) inside and zone 22 (II 3 D) outside optionally possible

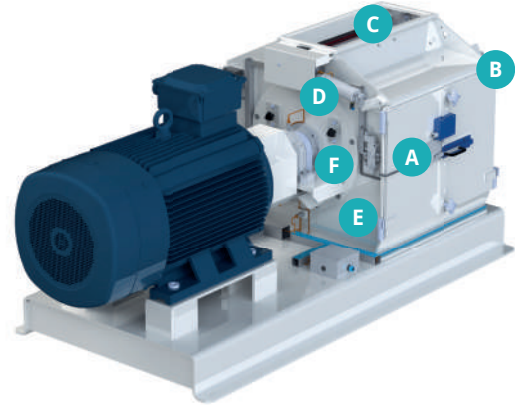
## Technical Details

Type	LDE 5	LDE 7	LDE 9
Grinding chamber diameter (mm)	680	680	680
Screen width (mm)	520	760	1000
Grinding chamber area (m <sup>2</sup> )	0.77	1.12	1.48
Dimensions and weight			
Length x width x height (approx. mm) *depending on motor size	2350 x 1220 x 1195	2750 x 1220 x 1195	3150 x 1220 x 1195
Weight without motor (approx. kg)	1450	1650	1950
Drive			
Motor size (kW)	75 - 110	110 - 160	132 - 200
Speed 50 Hz/60 Hz (rpm)	3000/3600	3000/3600	3000/3600
Speed with frequency converter 34-60 Hz	1800 - 3600	1800 - 3600	1800 - 3600

## Standard Supply and Options

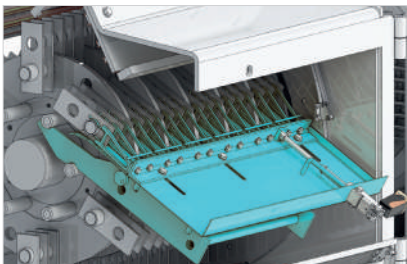
### Standard Scope of Supply:

- Pressure shock resistant up to 0.4 bar and flameproof
- Automatic door locking with standstill monitoring
- Flexible cam coupling (N-EUPEX) with coupling guard
- Vibration dampers, height adjustable
- Manually operated inlet flap with position switch for changing the direction of rotation
- Sealing flange for the grist outlet
- Electrical components completely wired to terminal boxes
- Drive motor B3 with integrated PTC thermistor sensors
- 1 set of beaters, ready mounted
- 2 sets of screens ready mounted on screen cages, one of them installed in the mill
- 1 set of special tools
- Multi-layer coating



### Option:

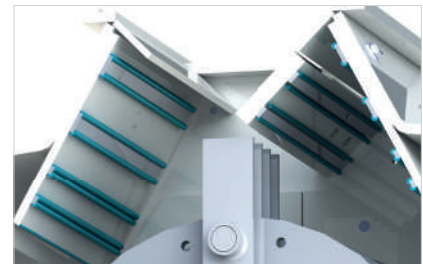
- Safety package consisting of:
  - Bearing temperature monitoring
  - Grinding chamber temperature monitoring
  - Grinding chamber vacuum monitoring
- ATEX design according to zone 21 (II 2 D) inside and zone 22 (II 3 D) outside
- Pneumatically operated inlet flap (automatic change of direction of rotation)
- Beater changing device



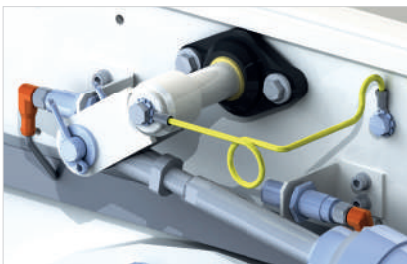
**A** Beater changing device for quick and easy beater change



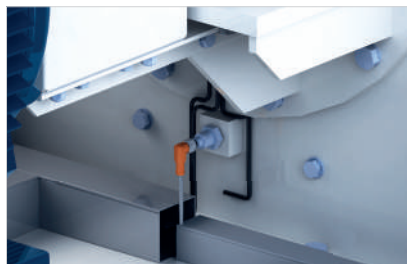
**B** Screens in screen cages for quick and easy screen change



**C** Hardened impact plates



**D** Pneumatically operated inlet flap (option)



**E** Grinding chamber temperature monitoring



**F** Bearing temperature monitoring