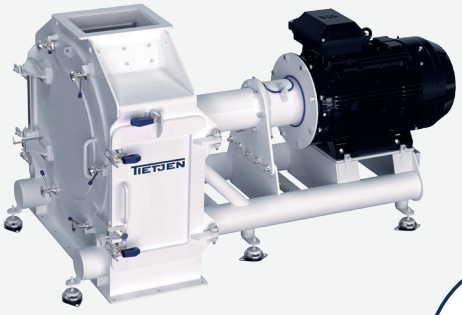
TIETJEN

Hygienic Design for the Food Industry

Hygiene Mill XDK

The Tietjen hygiene mill is designed for grinding processes with strict hygiene requirements in the food industry. The stainless steel construction with reduced dead space prevents contamination and minimizes cleaning times. The screen and rotor configuration is customizable for a wide range of grinding applications.



WEBSITE

Your Benefits

Consistent hygienic design for the food sector

- Grinding chamber and motor base feature reduced dead space
- Interior surfaces with a roughness of Ra < 0.8 µm to prevent product buildup
- Engineered according to strict international hygiene standards, including DIN EN 1672-2, DIN ISO 14159 and FDA, EU 1935/2004

Certified and durable materials

- Manufactured entirely from stainless steel (1.4301) for maximum durability
- Certified FDA-compliant seals
- Long-lasting protection against corrosion and harsh cleaning agents

Efficient cleaning and short downtime

- Three maintenance doors provide direct access to the entire interior
- The interior is fully designed for thorough wet cleaning using high-pressure washers
- The exterior is easy to clean and features minimal surface area for dust accumulation
- Fast and residue-free cleaning minimizes setup times during product changeovers

High safety of personnel and plant

- Integrated standstill monitoring with door locks to prevent unauthorized opening
- Pressure shock resistant and flameproof version (0.4 bar)
- ATEX version according to Zone 21 (II 2 D) inside and Zone 22 (II 3 D) outside possible

Technical Details

Type	XDK 4
Grinding chamber diameter [mm]	800
Screen width [mm]	400
Grinding chamber area [m²]	0.8
Dimension and weight	
Length* x width x height [mm] * depending on motor size	2500 x 1350 x 1350
Weight without motor [kg]	1550
Drive	
Drive motor size [kW]	75 - 90
Speed 50 Hz / 60 Hz [rpm]	3000 / 3600
Speed with frequency converter 30-60 Hz [rpm]	1800 - 3600

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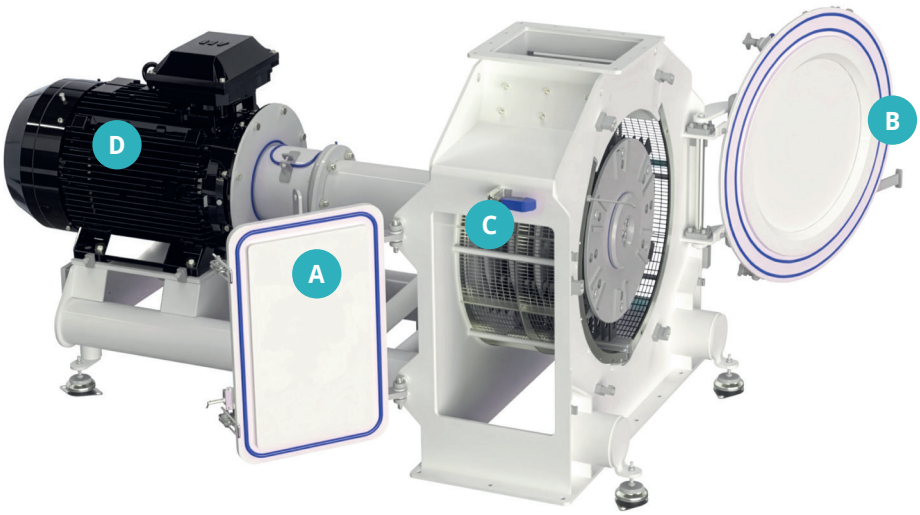
Product Standard and Options

Standard Scope of Delivery

- 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
- Sealing flange for the grist outlet
- Electrical components completely wired to terminal boxes
- Drive motor B3 with integrated PTC sensors
- 1 set of beaters, ready mounted
- 2 sets of screens, 1 of them is installed in the mill
- 1 set of special tools
- 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

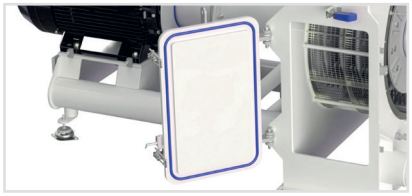
Optional

- Additional grinding plates to enlarge the impact zone

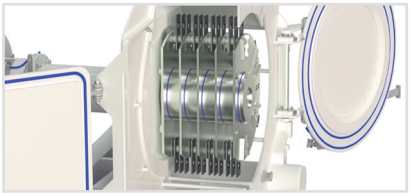




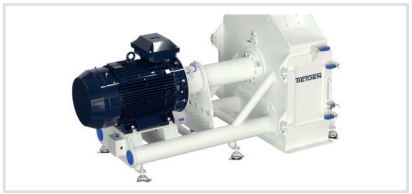
A Three maintenance doors for direct access



B Certified FDA-compliant seals



C Dead-space-optimized grinding chamber



D Motor base designed for easy cleaning

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