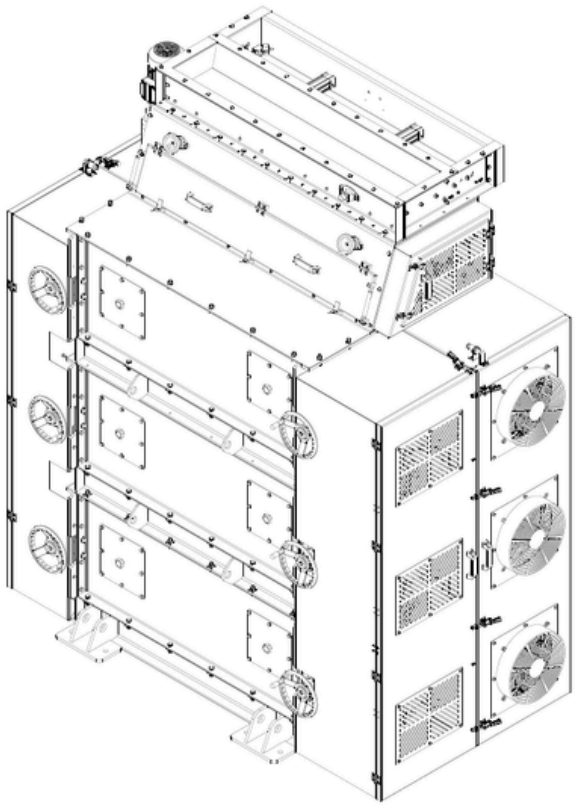
ROLLER MILL

Altınbilek Roller Mills ensure the perfect balance of particle size at every point during the grinding of grains. In roller mills, high temperature increases do not occur during grinding, and there is no need for an air filtration system. Compared to other crushing methods, their energy consumption is lower, which also reduces the operational unit costs in grinding. In Altınbilek Roller Mills, an electro-pneumatic controlled cover system is used to control the entry of raw materials into the system and prevent accumulation on the rollers. This section also includes an electro-pneumatic controlled by-pass valve system. With the by-pass system, raw materials or prepared rations can be passed through the roller mill without being crushed if needed. The feeding system is a drum-type feed system driven by a motor with a reducer at the entrance. The feeder is used to ensure the even distribution of incoming raw materials or rations into the rollers and to control the flow of raw materials. The feed opening can be adjusted. Specially designed channels with a tooth structure are created on the surface of the rollers, and surface hardening heat treatment is applied to ensure the raw materials or rations are ground to the desired size with minimum energy consumption. To determine the grinding capacity and particle size, the gap between the rollers can be adjusted. A spring system is applied to prevent damage to the rollers and the system. To adjust the desired particle size, a multi-stage grinding process can be performed. Options for 2 or 3 stages are available. Coarse and fine grinding can be carried out sequentially from the first stage to the exit. The roller mill is equipped with a wide control cover and sample collection devices at each outlet, allowing for easy monitoring and control of the entire flow from the incoming raw material or ration to the outgoing product.

FEATURES

- High Grinding Capacity
- Balanced Raw Material Grinding
- Bolted Modular Structure
- Effective Dust Sealing Elements
- Heavy Duty Block Bearings
- Easy Operation and Maintenance



DRIVE SYSTEM

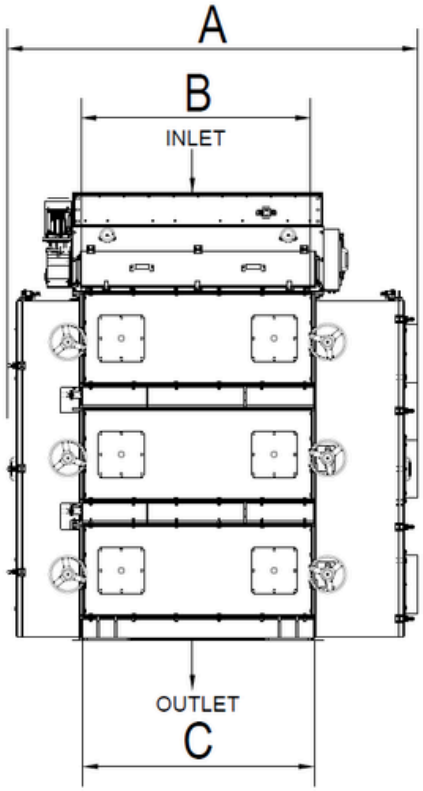
- IE3 Class High-Efficiency Electric Motor (IE4 - Optional)
- Belt and Pulley Power Transmission

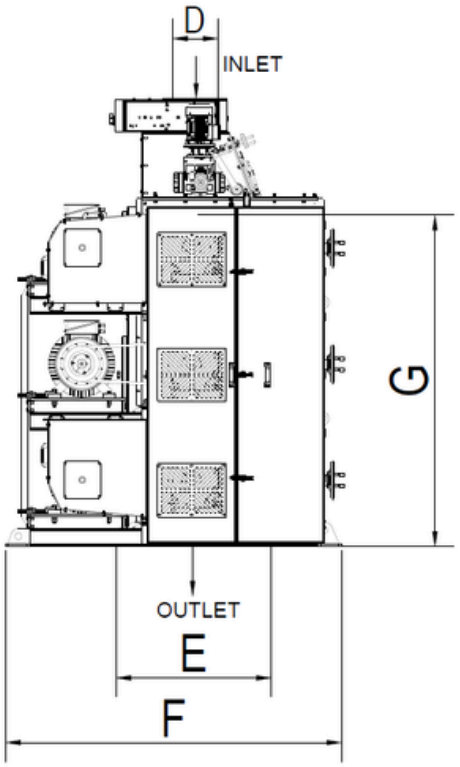
SAFETY SYSTEM

- Rotor Speed Sensor
- Direction Valve Sensor
- Safety Sensor on Doors
- Internal Temperature Detection (Optional)
- Fan Cooling System Inside the Enclosure

ACCESSORIES

- Sample Collection Devices
- Electro-Pneumatic Controlled By-pass Valve
- Easy-to-Open Maintenance and Intervention Cover
- Closed-Type Enclosure
- Pneumatic Controlled Sliding Gate For Product Inlet





Type	Motor Power (kW)	Rpm	Dimensions (mm)						
			A	B	C	D	E	F	G
VDMU	3 x 45	1.500	2.687	1.635	1.515	421	1.020	2.230	2.931