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VEHA

Vertical hammer mill

Delamination and separation
of composite materials

ADVANTAGES

- Robust design for continuous operation
- High milling performance even with complex material compounds
- Fine adjustment of milling parameters (speed, hammer distance)
- Christmas tree shaped rotor for optimised impact effect
- Cooling of mill and product due to air flow
- Safe maintenance thanks to electromechanical locking
- Accessible wear parts for quick replacement
- Integrated vibration monitoring

OPERATING PRINCIPLE

- Material is fed mechanically/ pneumatically via screw, belt, vibrating chute or cyclone separator
- Milling using rotating hammers and fixed wear strips in the milling chamber
- Material cooled by internal air flow
- Conveying by pneumatic transport or trough chain conveyor
- Vibration monitoring via sensor
- Housing lock with electromechanical key lock

APPLICATION

- Milling of pre-treated material < 50 mm

TECHNICAL DATA

Type	VEHA1000	VEHA1700
Motor power	200 kW	350 kW
Drive unit	V-belt, frequency inverter in the control cabinet	V-belt, frequency inverter in the control cabinet
Milling principle	Hammer mill with rotating hammers against wear strips	Hammer mill with rotating hammers against wear strips
Dimensions (LxWxH)	3,150 × 2,000 × 1,000 mm	4,150 × 2,200 × 2,240 mm
Weight	approx. 8,000 kg	approx. 12,500 kg
Noise emission	> 90 dB(A), Sound insulation recommended	> 90 dB(A), Sound insulation recommended
Feeding	mechanical/pneumatic	mechanical/pneumatic
Discharge	mechanical/pneumatic	mechanical/pneumatic
Cooling system	air flow	air flow
Safety functions	Key locking, vibration and temperature monitoring	Key locking, vibration and temperature monitoring