

# Roller and Feeder Motor

Direct Drive Permanent Magnet Technology  
*for Grinding*

- Direct Drive
- Unbeatable Motor Efficiency
- No Maintenance

**EMF Motor®**

## Roller Motor

- **Direct Drive Without Water Cooling**

Eliminates the need for a long belt drive and does not require additional floor space for the motor.

- **Energy Efficiency**

Achieves 15% to 70% energy savings compared to conventional systems.

- **Fanless Operation**

Available in certain power ranges without the need for an external fan.

- **Maintenance-Free Operation**

No regular maintenance required, reducing operational costs and downtime.

- **Quiet Operation & Reduced Vibration**

Absence of mechanical transmissions results in quieter performance and minimized vibration.

- **High-Speed Stability**

Ensures continuous grinding quality even at high speeds.

- **Adjustable Speed & Motor Protection**

Allows speed adjustments and prevents motor failures caused by power grid issues when used with its driver system.

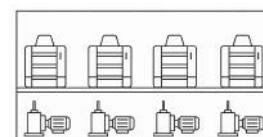
- **Maximum Reliability**

Designed for high durability and long-term performance.

- **Advanced Technology Integration**

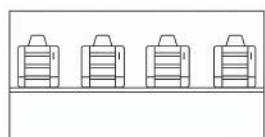
Thanks to permanent magnet technology and driver combination, the system supports easy adaptation, predictive maintenance, machine communication, and AI integration.

### Conventional System



### VS

### EMF Motor



## Feeder Motor

- **Direct Drive**

Eliminates the need for a gearbox

- **Full Torque from 1 rpm to 300 rpm**

Delivers maximum torque across the entire speed range without the need for a gearbox.

- **Fanless Operation**

Operates without an external fan, depending on the power range.

- **Energy Efficiency**

Achieves up to 50% energy savings compared to conventional systems.

- **Maintenance-Free Operation**

No gearbox means no lubrication or maintenance, reducing downtime and costs.

- **Servo-Class Performance**

Offers precise control with a simple driver system.

- **Minimal Failure Risk**

Fewer mechanical parts mean reduced risk of failure.

- **Durability**

Long service life by preventing mechanical wear and tear.

- **High-Performance Response**

Prevents material buildup and clogging in the nozzle, ensuring continuous flow and efficiency.

