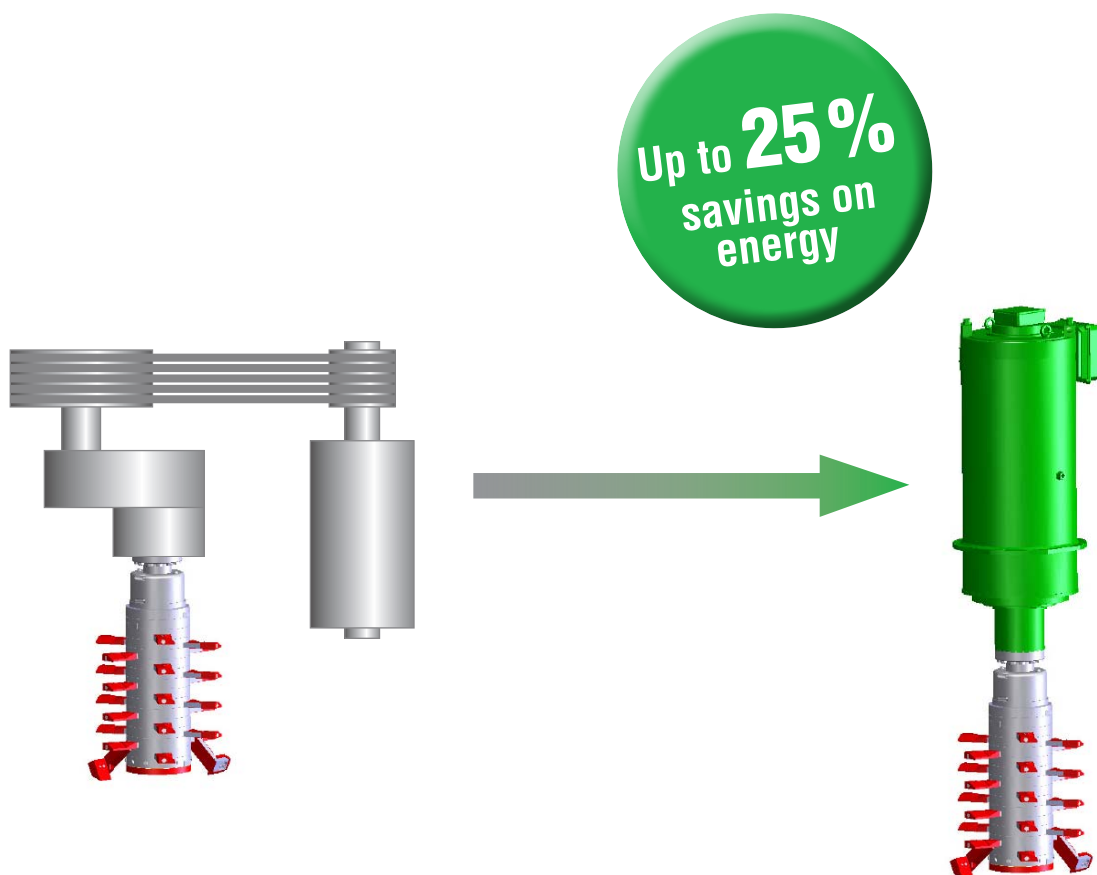


High Torque Motor as Direct Drive

The energy-efficient drive
for your EIRICH mixer

– also available for retrofitting –



The advantages of the high torque motor

- High torque density
- Improved efficiency
- Optimal speed adjustment by frequency inverter
- No transmission elements like belt drive or gear unit are needed
- Simple configuration of the drive train means low failure incidence
- Fewer bearings result in less maintenance effort



Energy efficiency of the direct drive

Example with data from a production plant*	V-belt drive with asynchronous motor	Direct drive via high torque motor	Energy savings
Energy consumption in kWh	5.47	4.20	- 23 %
Specific energy consumption in kWh/100 kg	0.45	0.34	- 24 %

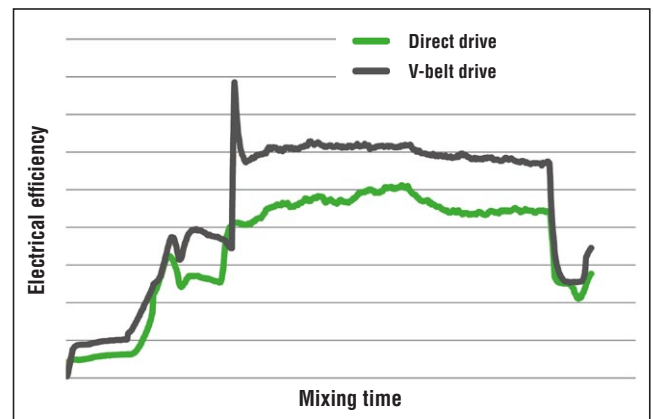
*calculated for a batch on the same mixer type and identical process material

Conclusion:

Because of the savings on energy, the acquisition costs of the high torque motor will already pay back after a short time.

Calculation example:

- Electricity price: 11 ct/kWh
- 3-shift operation on 220 working days
- **Amortization already in the 3rd year** with energy consumption as specified in the example above



Low energy consumption over the entire mixing phase