

Our range of services

- Manufacturing of permanent-magnet synchronous motors (FlexoDirect®), including controlled water-temperature regulation Cooliflex®
- End-to-end drive engineering from A to Z - complete project handling from calculation to manufacturing and commissioning
- On-site assembly service (24/7)
- Design of multi-motor drives
- Structural implementation of the drive setup
- On-site project planning and management
- Parts and assembly for water-cooling piping systems
- Fixture and tool construction
- Multi-body simulations (FEM) and fluid dynamics CAD-to-CAM and mobile CNC systems

Operating equipment

- Test benches for motors and gearboxes
- Mobile measuring, scanning, and analysis systems
- Professional paint shop
- CNC machining



We are here for you

Drive specialist for over 30 years



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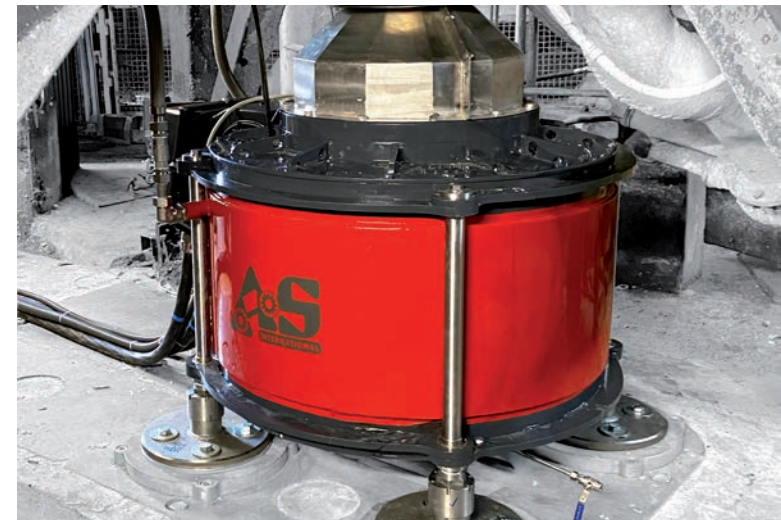
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Direct drives for Pulper FlexoDirect®



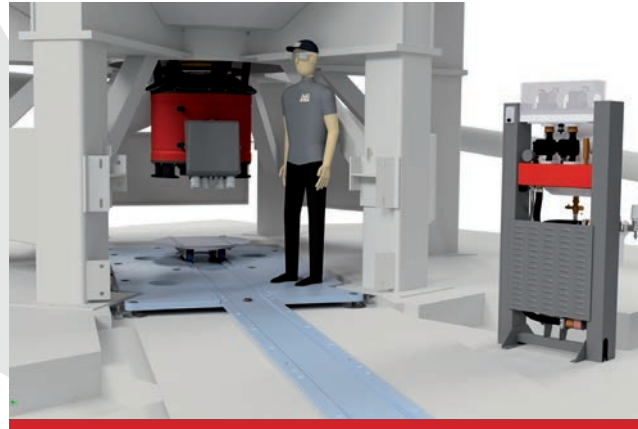
FlexoDirect® direct drive



Description

- Specifically designed for driving pulpers / mixers
- Permanent magnet synchronous motor, water-cooled / insensitive to contamination
- Operation at high ambient temperatures and air humidity
- Possible motor mounting options on the pulper, e.g. foot-mounted or flange-mounted versions
- The FlexoDirect® can replace the pulper shaft

FlexoDirect® motor series

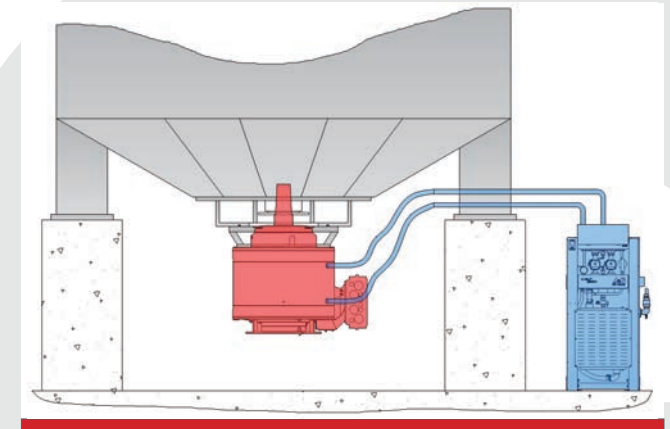


FlexoDirect® Series	F_12	F_09	F_07	F_05
Outer Diameter [mm]	1.200	900	700	500
Torque 0 to ... [Nm]	70.000	30.000	15.000	8.000
Speed 0 to ... [min-1]	350	350	350	350
Voltage 230 VAC to ... [V]	690	690	690	690
Motor available in shaft-mounted and foot-mounted versions	x	x	x	x

Advantages

- Maximum efficiency of up to 98%
- Typically around 15% energy savings compared to conventional drive technology
- Significant reduction of wear parts and maintenance effort
- In the event of a pulper blockage, no damage to the drive
- Reason: No mechanical positive-fit connection between rotor and stator (impacts are absorbed in the motor air gap)

Motor temperature control



- The FlexoDirect® is designed for operation with a water-based temperature control system
- For this purpose, AS Drives supplies the product Coolilflex®, as shown here

