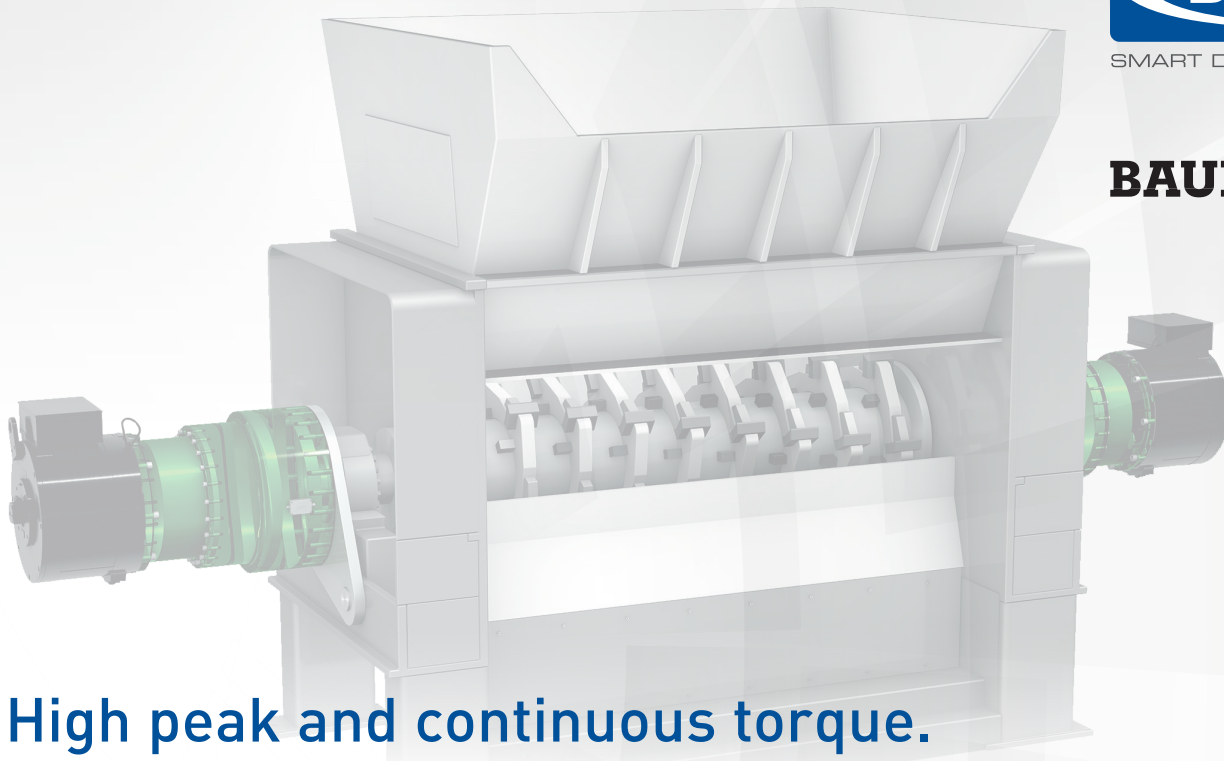




SMART DRIVE SOLUTIONS



BAUMÜLLER

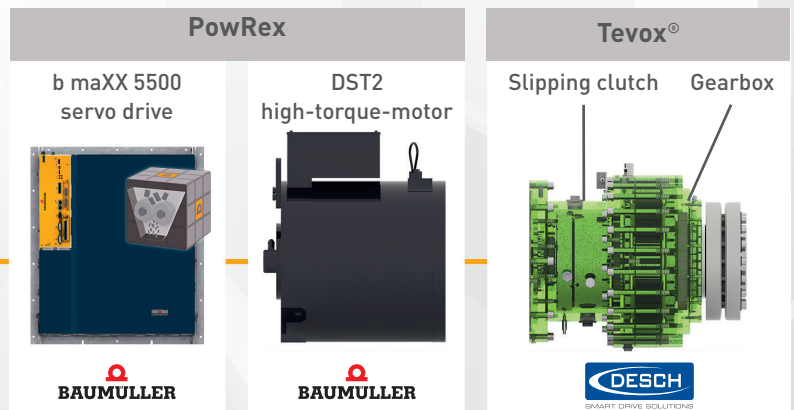


High peak and continuous torque. Perfectly matched power train.

By eliminating the conventional drive, shredders equipped with the Tevox® offer numerous advantages, such as:

- High energy efficiency
- High rated torques
- High peak torques
- Easy maintenance
- Simple integration into existing designs

400 V AC



DESCH Tevox® direct drive Baumüller PowRex drive system

In cooperation with Baumüller, DESCH offers a complete system for fully electric shredders.



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The fully electric system solution exceeds the torque and speed of conventional drives – and also impresses with many other benefits



High energy efficiency

Compared to conventional drive systems (e.g. hydraulic systems), the very high individual efficiency of the components allows the overall drive system to achieve significantly greater efficiency.

- Increased overall efficiency
- Lower energy consumption
- Reduced energy costs
- Reduced carbon footprint



Environmentally friendly

By eliminating hydraulics, the following benefits are achieved:

- No hydraulic oil
- Reduced noise emissions
- Lower energy consumption
- Easy maintenance



Consistently high torques

Thanks to its motor characteristics, the DST2 hightorque motor enables high peak and rated torques across the entire speed range.

Maximum torque from zero speed:

Restart is possible even when the machine is loaded.

High productivity: High throughput and maximum machine availability.

Consistent shredding quality

due to excellent speed constancy.



Intelligent drive

The drive system includes intelligent functions such as:

Slip monitoring: Fast response in the event of a blockage to minimize slip times (slip clutch), thereby extending service life.

Energy monitoring: Analyze energy consumption directly in the drive without external hardware.

Data storage: Load profiles, temperature, slip events.

DESCHtorque: Measurement of speed and torque directly at the output shaft



Coordinated system components

In close cooperation with **Baumüller**, we offer a coordinated complete system consisting of motor, gearbox, and clutch – all from a single source.



Plug & Play

Easy integration: You benefit from a flexible and customer-specific connection of the drive system to the rotor shaft.



Increased productivity

The highly dynamic drive system significantly increases productivity.

- Low moment of inertia
- High-performance drive electronics
- Faster clearing of jams and restarting
- Increased productivity



Wet-running slipping clutch

The gearbox-slipping clutch combination ensures motor decoupling during a blockage, thus protecting the tool on the shaft.

- Protection against blockage
- Precisely adjustable range ($\pm 10\%$)
- Wear resistance
- No manual readjustment required
- Standardized slipping clutch

THE DRIVE. OF A NEW AGE.