

Cement  
Chemicals  
Defence  
Fibre, paper & tissue  
Food & beverage  
Marine & port operations  
Metals  
**Mining & minerals**  
Oil & gas  
Panelboard  
Power generation  
Rail  
Rubber  
Sugar  
Water & wastewater

## Mining & Minerals

Heavy-duty power transmission  
solutions for the mining industry

## David Brown Santasalo delivers a full range of drive solutions for the intense requirements of mining and minerals processing.



### Grinding

Our proven product range includes industrial gear systems for horizontal and vertical grinding mill applications, as well as girth gear and pinion sets. Each gear system is engineered to customer requirements to ensure exact gearbox – application fit and maximum performance.

- SAG & AG mill drives
- Ball & rod mill drives
- Vertical roller mill drives
- Girth gears and pinions
- Roller press gearboxes
- Tower mill gearboxes
- High pressure grinding roll drives



### Material Handling

Our material handling gear systems are in operation in some of the world's harshest environments – thermal efficiency, mounting and sealing systems are optimised to ensure supreme performance whatever the weather. To ensure a perfect fit, gearboxes can be supplied with optional backstops and auxiliary or inching drives.

- Conveyor drives
- Bucket elevator and bucket wheel excavator drives
- Stacker / reclaimer drives
- Feeder drives
- Slewing gears
- Shovel & dragline gears
- Apron feeder drives



### Pyro Processing

David Brown Santasalo has extensive experience in delivering large, multi-segment, cast and fabricated girth gears for pyro processing and grinding applications. Application-based design techniques ensure each segment is matched to our customers' specifications, delivering optimal and reliable performance. Our girth gears are machined to exacting tolerances.

- Girth gears
- Kiln and dryer drives



### Slurry handling

Manufactured to meet the challenges of wet environments, David Brown Santasalo slurry drives incorporate special sealing technology to prevent leaks and ensure constant and reliable performance. Calling on almost three centuries of experience, David Brown Santasalo gearboxes are tailored to customer specifications to ensure optimum performance.

- Agitator drives
- Classifier drives
- Flotation drives
- Mixer drives
- Slurry handling pump drives



### GearWatch condition monitoring

GearWatch condition management system is a smart, compact and value-adding tool for predictive remote process equipment monitoring. GearWatch measures, records and analyses data, reporting any changes in measured parameters in real time, 24/7 via the internet. Oil particle content monitoring enables early detection of potential gear unit failures months, or even a year in advance. This allows you to plan maintenance activities around your operational requirements.



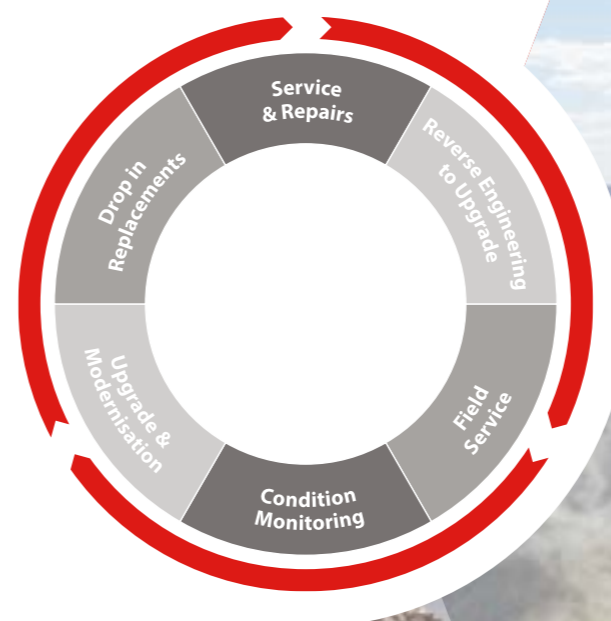
### Full life support – whenever you need us

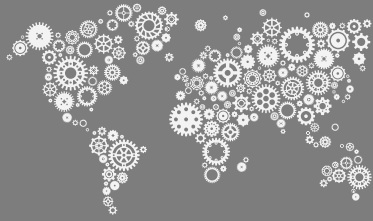
With almost three centuries of combined gear engineering experience, David Brown Santasalo is recognised as an expert in mining and minerals power transmission. We work in partnership with a number of OEMs and end users to engineer gear systems that maximise output. This gives us deep understanding of the challenges our customers face, and what we need to do to ensure these challenges are overcome – no matter how demanding.



### Your single source supplier:

- Full service solutions for new and rebuilt gear systems
- Concept design and end to end engineering
- Dimensioning and component selection
- Manufacture to ISO 9001 quality standards
- Thorough product testing
- Installation and commissioning
- Full service support including maintenance, field service and spares





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