

DOROL[®] Expert Service

Breathes new life into tired mills.



With more than 400 units worldwide, our POLYSIUS DOROL[®] double-roller mill is a true success story. Our expert service helps to keep the full performance of your DOROL[®] mill even after decades. Often, the reduced throughput of the mills results in a decrease in the productivity of the upstream and downstream plant sections as well as a considerable increase in specific energy consumption. The DOROL[®] Expert Service stops this development and ensures a decisive improvement in mill operation.

Complete overview with analyses and measurements

To achieve this, our specialists from the fields of process technology and mechanical systems, as well as service, analyze the entire mill system. In addition to the mill, they examine the separator, the coarse feed valve, the fan, the cyclone, and the filters.

We carry out measurements during operation and inspect the grinding compartment during a stoppage. Only in this way can one gain a complete picture of the mechanical condition and the specific operating conditions of the plant. Following the analysis, clear statements can be made concerning the grinding bed depth, the quantities of false air, the air velocity in the nozzle ring, the gas flow volumes and the wear.

Performance and availability optimization

On this basis, we can immediately identify optimization potential for the plant and can increase both performance and availability. Together with the customer, we draw up a detailed emergency plan and put it into practice directly on-site.

With our measures, we can increase production, minimize energy consumption and increase the service life of the plant components.

According to experience, an increase in production and a reduction of the energy requirement of 5 to 25 percent can be expected in just one week – which is the time we need in order to inspect and optimize the mill.

Service advantages

- Professional inspection of the grinding plant by thyssenkrupp Industrial Solutions service experts
- Increase in plant capacity
- Minimization of energy consumption
- Optimum mill operation
- Increased service life for mechanical elements
- Assessment of wear parts
- Recommendations for further optimization steps
- Analysis of causes
- Advice and training for your personnel
- Spare parts recommendations
- Calculable stocking of spare parts



Your contact:

Markus Bachmann

markus.bachmann@thyssenkrupp.com

T: +49 2525 993427



Field & workshop
services

engineering. tomorrow. together.

360° Service

Service solutions throughout the entire life cycle of your plant



thyssenkrupp



Parts & supply management

We are the experts when it comes to the supply with spare and wear parts for your plant – over the entire lifetime, at the right time and with the right quality.

Spare parts supply

- All spare parts and components for your asset in OEM quality
- Always state of the art technology with guaranteed functionality
- Attractive frame contracts and supply agreements

Wear parts solutions

- Development of wear parts according to your requirements
- Individual solutions in regards of quality and performance
- Innovative wear parts concepts

Advanced parts solutions

- Engineering and manufacturing of individual spare parts
- Continuous further development of spare parts and components in order to increase the performance of your plant
- Spare and wear parts for plants genuinely not developed by thyssenkrupp



Field & workshop services

We offer you local assistance when it comes to overhauling spare and wear parts, or when maintenance and servicing is needed.

Technical inspections

- Forward-looking inspections of machines and components

Repairs and field support

- Fulltime site support and advice after handover of equipment
- Fault identification and emergency repair of components
- Installation and dismantling
- Equipment adjustments and alignments

Workshop services

- Local fabrication of spare parts
- Refurbishment and supply of thyssenkrupp and third party components

Operator & maintenance training courses

- Customer training for all areas of thyssenkrupp portfolio
- Utilization of product experts within thyssenkrupp's global network



Revamps & outages

Over the course of time, demands change. In order to meet these changed demands, we offer you custom-tailored revamp solutions.

Analysis, engineering and manufacturing

- Plant status and environmental analysis and assessment
- Feasibility studies
- Basic, front-end and detail engineering
- Manufacturing of individual equipment

Plant improvements

- Custom-tailored revamps and retrofitting solutions
- Debottlenecking through capacity extensions
- Efficiency enhancement through modernization and upgrades
- Emission reduction
- Safety and integrity upgrades
- Reliability improvement

Revamps execution up to EPC

- Execution of complex revamp and outage projects
- Execution of EPC revamps projects
- Custom-tailored risk and profit sharing models

Turnaround management

- Management of plant turnarounds



Asset management

We offer you a holistic asset management approach in order to reduce the overall operating expenses of your plant.

Consulting & audits

- Evaluation and assessment of effectiveness and efficiency
- Process mapping and gap analysis
- Derivation and supervision of improvement measures

Technical guidance

- Implementation of improvement measures
- Technical improvement of existing machines and components
- Strategic analysis and future planning
- Improvement of processes and procedures

Operation & maintenance contracts

- Complete or partial take-over of maintenance and/or operations activities
- One-stop operation and maintenance solutions including parts and consumables
- Custom-tailored business models focusing on a win-win situation

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