

# Roll service just in time

Grain Processing Customer Service



# Fast roll service. Short downtimes.



MDDX Universal Roll Removal Device.

This Buhler service and its specially trained personnel guarantees short downtimes through optimal support of work processes.

The documentation created allows precise retracing of the work performed.

- Constant grinding action
- Optimal yield
- Reduced overhead
- Long life cycle
- Total cost of ownership

# Constant grinding action. High yield.



**Antares Four and Eight Roller Mill MDDR and MDDT.**

Rolls are the flour miller's most important tool. They have a direct influence on the flour extraction rate and on the quality of the end product. But rolls are wear parts requiring regular maintenance.

Buhler rolls are neither too soft nor too hard. They have a uniformly structured outer layer of chilled cast iron with consistent hardness and structural properties. Buhler rolls are manufactured to the tightest of tolerances in terms of corrugation (fluting) geometry, camber, and concentric running.



**Roll pack with self-contained forces.**

Precise adjustment accuracy and constant grinding action.

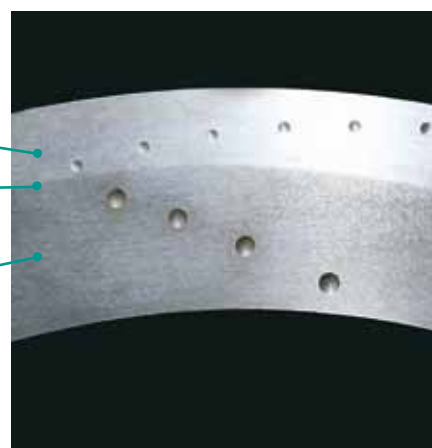
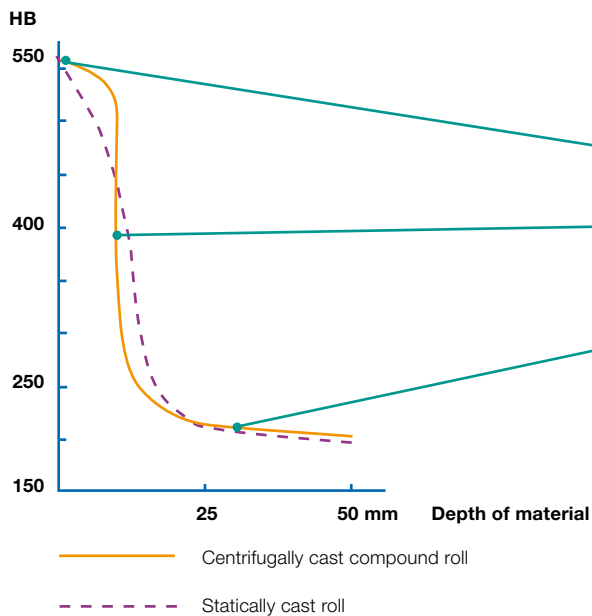
# Individual packages. Flexible services.

| Roll service – just in time | Service levels |        |      |          |
|-----------------------------|----------------|--------|------|----------|
|                             | Standard       | Silver | Gold | Platinum |
| Roll reconditioning         | X              | X      | X    | X        |
| Roll change                 |                | X      | X    | X        |
| Roll exchange               |                |        | X    | X        |
| Shipping logistics          |                |        | X    | X        |
| Maintenance management      |                |        |      | X        |

In addition to the four service levels listed, it is also possible to customize service packages.

- All services listed may also be used individually
- Buhler services are exactly as flexible as our customers need them

## Decline in the hardness of rolls.



**Section of a centrifugally cast roll.**  
Clear separation between the outer chilled iron layer and the inner gray cast iron shell.

# Optimal service. Total cost of ownership.

## **Roll reconditioning**

- Cleaning
- Inspection upon receipt
- Turning
- Grinding
- Length alignment
- Beveling
- Dynamic balancing
- Frosting or corrugating (fluting)
- Gearwheels
- Corrosion protection
- Packing



## **Roll changes and shipping logistics**

- Roll removal and installation
- On-schedule delivery
- Collection of rolls from customer's site
- Reliable shipping
- Roll packing



## **Roll exchange and storage logistics**

- Utilization of a spare roll pair
- No investment in spare rolls
- One-time fixed cost for a period of utilization
- Storage at Buhler
- Next roll change upon request



## **Maintenance management**

- Timely triggering of maintenance
- Documentation of services provided
- Spare parts management



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