



Roller Mill Antares.  
**MDDR/MDDT.**

**BUHLER**

# Antares perfection. New standards in grain processing.



Antares four- and eight-roller mills.

## Ultimate design.

The ultimate and unique design emphasizes the perfection of Antares, impressing again and again.

## Highest sanitation standards.

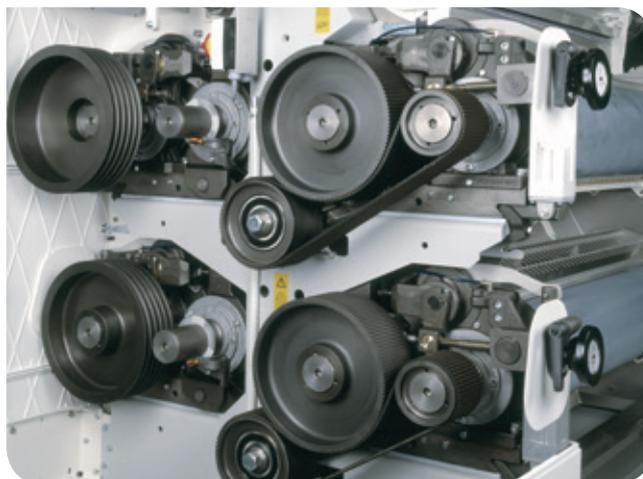
The interior is made entirely of stainless steel. This guarantees top product safety and ease of cleaning. The sophisticated insulation and the integrated ventilation of the product inlet ensure that no condensation will occur when the warm product contacts the machine. The innovative aspiration strip minimizes condensation, guaranteeing the best possible sanitation.

## Perfect and silent grinding.

The roll pack with its self-contained forces and the novel machine frame design in conjunction with the paneling insulation reduce the noise level considerably. These features guarantee top reliability in continuous round-the-clock operation while ensuring a consistent grinding quality.

## Universal application.

Antares comes with a large number of options and accessories to cater for any installation situation and to satisfy any product requirement. The roller mill can be installed flexibly, both in terms of the drive configuration and of the conveying pipes, which can run through the machine. Whether you process maize, wheat, durum, rye, barley, or malt – Antares is the ideal roller mill for processing all grain varieties.



Drive and roller overdrive of the Antares eight-roller mill.

# Perfectly aligned interaction. Every detail counts.



The Antares stands for unique design and top processing quality.

## Reliable product feeding.

The gravimetric capturing of the product across a wide inlet and the continuous variation of the feed roll speed allow uniform feed of the product to the grinding rolls and create the conditions for achieving perfect grinding results.

## Ergonomic operation.

Convenient handles ensure a secure grip during production. The new ergonomic clamping device of the grinding gap adjustment mechanism is ideally matched to the flour miller's manipulations.

## Easy access.

Folding cover parts allow easy access for cleaning and maintenance. In addition, the inlet sight glass can quickly and easily be removed for cleaning.

## Complete product discharge.

The patented, pivoting feeder module permits fast and complete product discharge and allows easy access for cleaning.



Folding covers provide easy cleaning access.



Patented feeder module with pivoting function.

# Consistent milling. Top precision and safety.



The Quick Pack roll pack allows the quick replacement of rollers.

## Powerful grinding performance.

The compact Quick Pack roll pack with its self-contained forces is characterized by its high adjustment accuracy and grinding stability and is distinguished by its perfectly constant grinding performance. The durable toothed belt power transmission ensures easy maintenance, low-noise operation, and an oil-free roller mill floor.

## Safety all around.

Safety has very high priority with Antares. All moving parts are guarded by rugged paneling to prevent access, and the panels can only be opened with a key. The machine control system monitors the operating parameters and ensures high operating reliability through:

- Monitoring of the incoming product (level sensor)
- Zero-speed detection of the feed rollers
- Speed monitoring of the grinding rollers
- Product back-up sensors between the two roll pairs of the MDDT eight-roller mill

In case of unusual operation conditions, the control system will pneumatically disengage the rolls.

## Automatic grinding gap adjustment.

The automatic grinding gap adjustment, integrated with the online particle size measurement (Online PSM MYTA) maintains a consistently and optimal grinding action of the Antares roller mill. Particle size deviations are corrected automatically, accurately, and in real time. That guarantees consistently high product quality.



Optional water cooling.

## Water cooling system.

The water cooling system of the front roller serves to additionally cool the product under high ambient temperatures conditions.

# Temperature monitoring with the latest technology. For safe operation.



Sensor strip for roller temperature monitoring .

## Roller temperature monitoring.

The temperature sensors, integrated into a sensor strip, measure the temperature profile across the entire roller. If the temperature exceeds a preset threshold or a defined temperature difference, an alarm is triggered and the main motors switch off. As a result, an excessively high contact pressure and a dry running of the rollers can be detected, thus preventing any subsequent damage. Accordingly, the reliability of the roller mill and the complete plant is increased. The temperature values are displayed on the roller mill control screen.

## Bearing temperature monitoring.

An additional safety feature is the bearing temperature monitoring system. Sensors continuously monitor the temperature of the roller bearings. Overheating of the roller bearings can be detected at an early stage. In the event of a failure, an alarm is triggered and the main motors of the roller mill shut down. Subsequent damage can be avoided, which contributes significantly to improve operational safety.

## Scope of services at a glance:

	Antares	Antares Plus
Quick Pack roll pack	■	■
Insulated stainless steel paneling	■	■
Swing-out feeder	■	■
Innovative aspiration strip	■	■
Automatic grinding gap adjustment	□	■
PSM Online particle size measurement	□	■
Roller temperature monitoring	□	■
Bearing temperature monitoring	□	■

■ Included in the scope of delivery □ Available as an option



Antares Plus - The plus in flour quality and operating reliability.

The Antares Plus roller mill is equipped with a standard automatic roll gap adjustment. Roller and bearing temperature

monitoring additionally ensure maximum reliability and high end product quality.

# Customized service. For safe operation.

To ensure the reliability of processes and systems at the higher level, Bühler offers its customers comprehensive maintenance services and custom service packages for every need. The competent advice from the experienced experts guarantees optimum service at any time.

## Plants and production processes at their best.

For trouble-free operation with the Antares roller mill, Bühler offers both customized services as well as end-to-end maintenance solutions. More than 1,000 highly trained service staff in over 140 countries advise and support on site, among other ways, through customized service agreements, fast repair and support services, as well as innovative retrofits.



Bühler service: There for you, around the world and around the clock.

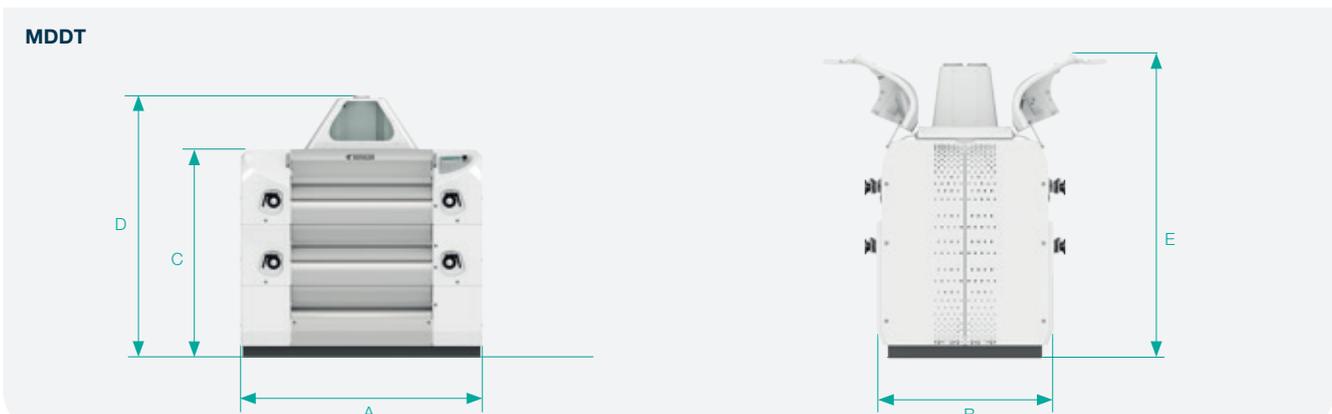
## A selection of our services:



# Universal application. Fits in any plant.

The technical data of the Antares MDDR/MDDT roller mill at a glance:

	Roller length mm	Dimensions mm					Weight kg		Volume m <sup>3</sup>
		A	B	C	D	E	(net)	shipping	
<b>MDDR Ø 250</b>	600	1522	1350	1212	1694	1842	2400	~2800	4,0
	1000	1922	1350	1212	1694	1842	2900	~3300	5,1
	1250	2172	1350	1212	1694	1842	3200	~3700	5,7
	1500	2422	1350	1212	1694	1842	3500	~4000	6,5
<b>MDDR Ø 300</b>	1000	1922	1550	1212	1694	1842	3400	~3800	5,9
	1250	2172	1550	1212	1694	1842	3800	~4300	6,7
<b>MDDT Ø 250</b>	1000	1922	1350	1754	2236	2384	5150	~5600	8,9
	1250	2172	1350	1754	2236	2384	6150	~6300	10,2
	1500	2422	1350	1754	2236	2384	6800	~7000	11,3
<b>MDDT Ø 300</b>	1000	1922	1550	1754	2236	2384	6500	~6600	10,0
	1250	2172	1550	1754	2236	2384	7250	~7400	11,3



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