

Four- and Eight-Roller Mill Diorit MDDY/MDDZ.

New 2019 Generation.



What's new?

- loT ready machine control system
- Touch screen user interface
- Integrated sensors
- Improved space for product sampling



Diorit 2019 Roller Mill MDDY/MDDZ.

Touch screen user interface.

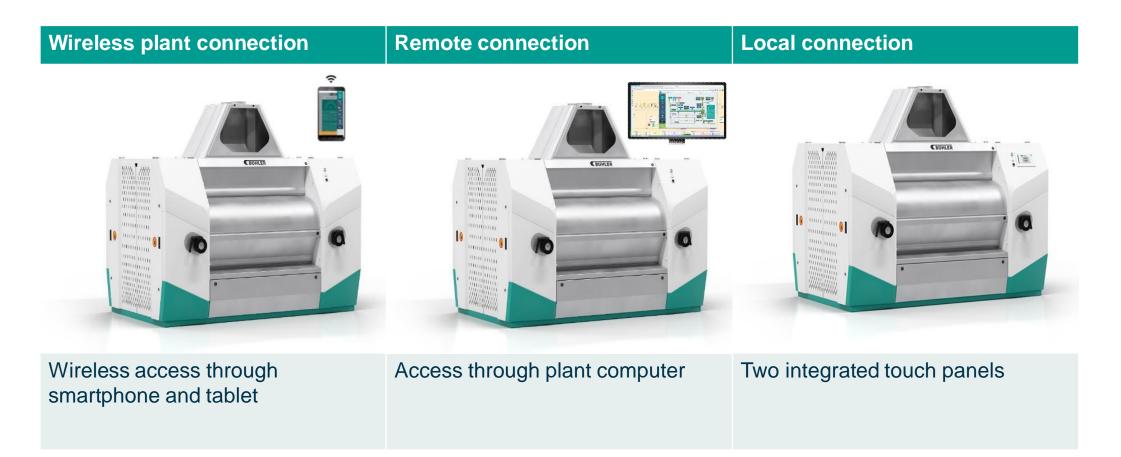






Three different operation variants!

Compatible with smartphones, tables and PC.

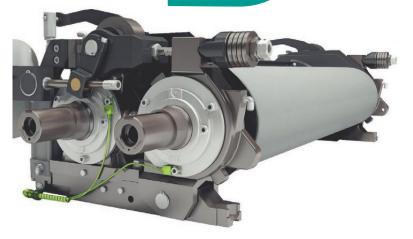




Diorit 2019 Roller Mill MDDY/MDDZ. Sensor Technology.

Roll temperature sensor







High capacity cost-effective grain sorting

Bühler W

Bühler W Cost effective grain sorting

Offering up to seven chutes for high processing capabilities of up to 30 tonnes per hour. Features Bühler developed processing software, custom-built cameras and LED illumination system, the Bühler W offers processors entry into Bühler's optical sorting technology and processing expertise for a reliable, cost-effective performance.

- High processing capacity
- Consistent product quality
- Trusted Bühler design and reliability
- Ease of operation
- Balanced and stable performance





Bühler W At a glance



- High Processing capacity
 Available with up to seven chutes
 to deliver 30 tonnes per hour
- 2 LED illumination
 Enhance defect recognition through long-life LED solid state illumination
- 7 Product modes
 Stores up to 100 pre-defined sorting modes

reduces wear

Balanced and stable performance

Consistent accept quality and

minimised product re-circulation

- Custom-built cameras
 Front and rear high resolution CCD
 visible cameras to detect all
 common defect types
- Auto-Calibration
 Automatically reviews and adjusts
 the sorter set-up on start-up,
 removing the need for laborious
 manual set-up
- Automatic Product Tracking
 Consistently scans and
 automatically adjusts to changes in
 the incoming product

- Long-life powerful ejectors
 64 powerful, high speed ejectors
 per chute for accurate rejection of
 defects and high quality
- Fixed background
 Static background ensures that all vibration is minimised
- Bühler robust design quality
 Designed and constructed to
 Bühler's high quality standards



Bühler W High processing capacity

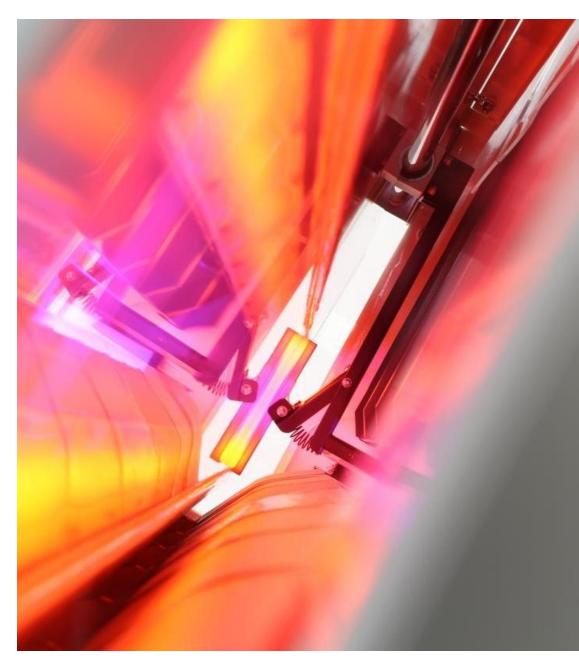
- Available with four and seven modules
- Integrated feed control ensures a balanced and stable sorting performance while minimizing operator adjustments
- Flexible configuration for primary sorting applications and with resort
- Bühler custom-built cameras detect obvious defects including immature, diseased, discoloured grain as well as foreign materials.





Bühler W Trusted Bühler design & reliability

- Proprietary technology and robust machine design built to Bühler's strict manufacturing standards
- Durable solid state LED lighting and long-life ejectors ensures the Bühler W operates at peak performance over a longer period of time
- LED lights adjust as lighting levels vary to maintain consistency of sort





Bühler W Ease of operation

- Access to Bühler proprietary operating software via the graphical user interface (GUI)
- Stores up to 100 pre-defined sorting modes
- Fast product changeover
- Alerts and performance monitoring







Intelligent sensors NIR Multi Online Analyzer

- Real Time NIR Analysis of raw and final products
- Precise measurement of:
 - Moisture
 - Protein
 - Ash content
- Trend monitoring of:
 - Wet gluten
 - Water absorption
 - Starch damage





Intelligent sensors NIR Multi Online Analyzer

- Precise product data monitoring in real time
- Immediate corrective measures during operation
- Up to 6 measuring points on spectrometer



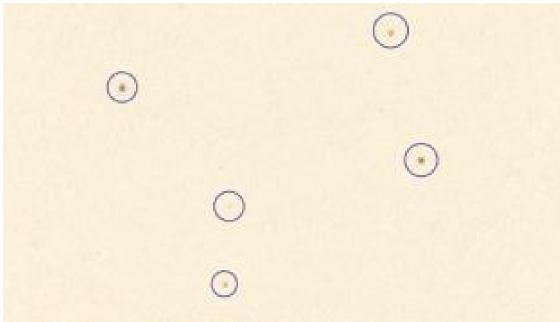


Intelligent sensors Online Color and Specks Measurement Unit

- Precise monitoring of color and specks in real time
- Immediate corrective measures can be undertaken during the ongoing production process.
- Replaces subjective test methods such as the Pekar test or the manual counting of specks.
- Classification of brown as well as black specks according to their size.



Online color and speck analysis





Intelligent sensors Online particle size measurement

- Online information about granulation
- Measurement range 10 5'000 microns
- Continuous process monitoring and traceability.
- Deviations from the target granulation
- Enabling fast response, high process stability







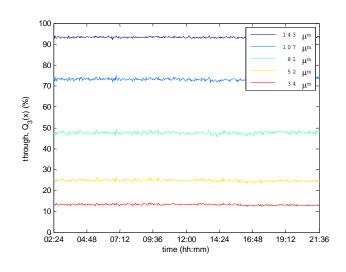
Real-time particle size measurement control





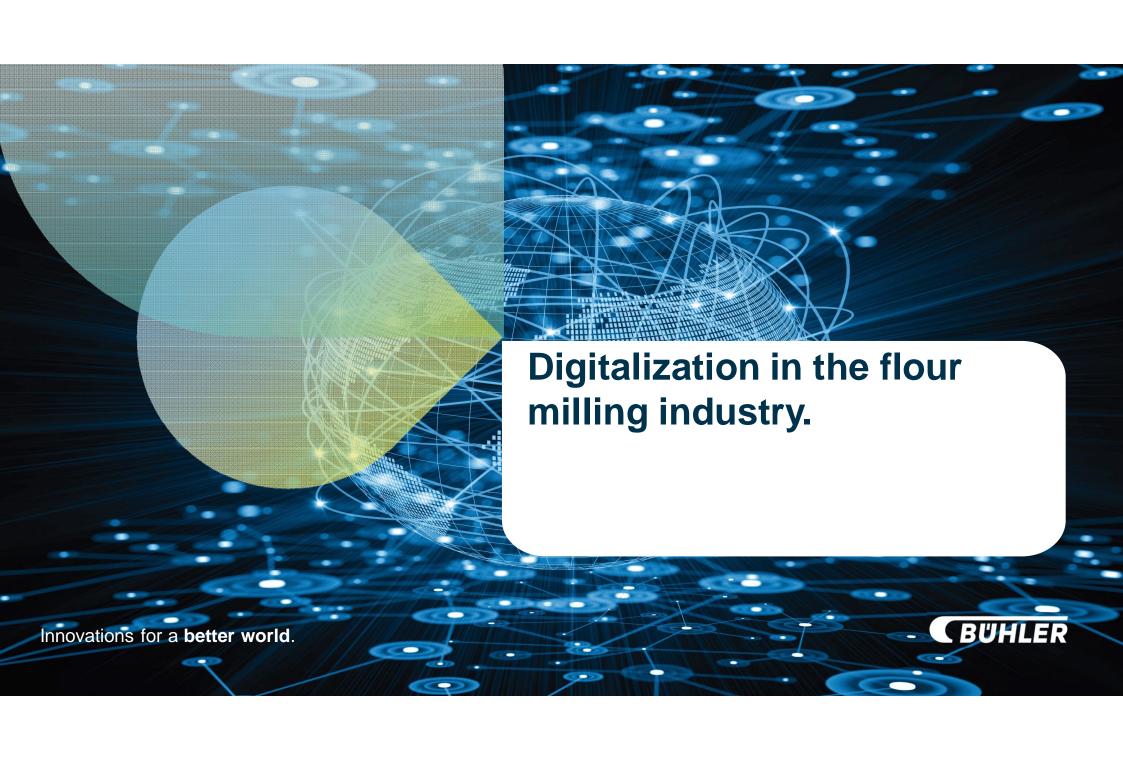
Intelligent sensors Mobile particle size measurement unit

- Measurement of the particle size distribution on the spot
- Presentation of the measurement results directly on a screen on the system







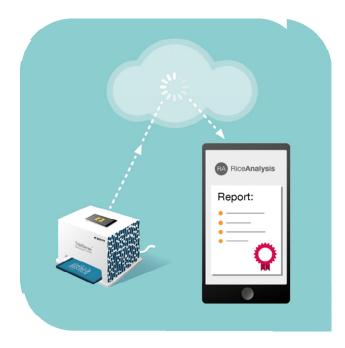


TotalSense™.

Application for grains and seeds.









Safefood.ai.

Food safety early warnings.

What?

The latest recalls, alerts and warnings

Where?

From official sources, the web and social media

When?

In real-time

How?

In a single place (Web dashboard)





