Innovative solutions for the flour milling industry.

November, 2018

What’s new?

- IoT 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.

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<th>Wireless plant connection</th>
<th>Remote connection</th>
<th>Local connection</th>
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<td>Wireless access through smartphone and tablet</td>
<td>Access through plant computer</td>
<td>Two integrated touch panels</td>
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Diorit 2019 Roller Mill MDDY/MDDZ.
Sensor Technology.

Roll temperature sensor

Roll bearing temperature sensor
High capacity cost-effective grain sorting

Bühler W

Innovations for a better world.
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

1. **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

3. **Custom-built cameras**
   Front and rear high resolution CCD visible cameras to detect all common defect types

4. **Auto-Calibration**
   Automatically reviews and adjusts the sorter set-up on start-up, removing the need for laborious manual set-up

5. **Automatic Product Tracking**
   Consistently scans and automatically adjusts to changes in the incoming product

6. **Balanced and stable performance**
   Consistent accept quality and minimised product re-circulation reduces wear

7. **Product modes**
   Stores up to 100 pre-defined sorting modes

8. **Long-life powerful ejectors**
   64 powerful, high speed ejectors per chute for accurate rejection of defects and high quality

9. **Fixed background**
   Static background ensures that all vibration is minimised

10. **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 process optimization with sensor technology.

MYRG / MYTA / MYHB
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.
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
Digitalization in the flour milling industry.
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)