New Developments for the Flour Industry

IAOM Vietnam - 2017

Innovations for a **better world**.

BÜHLER

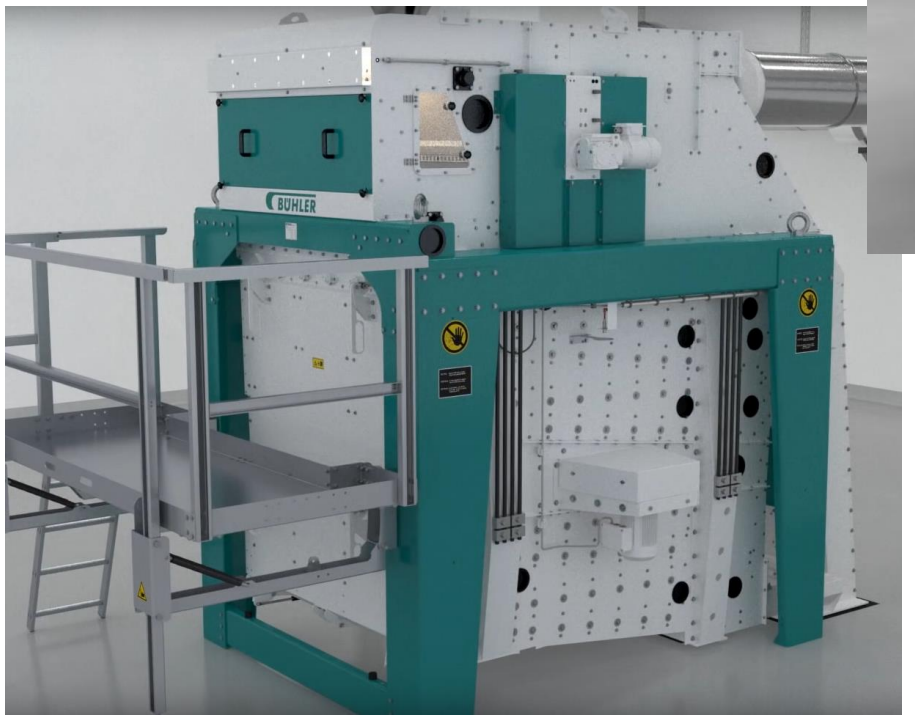
CLEANING SOLUTIONS

Cleaning Machine TAS and VEGA

Transfer Cleaning or 1st Cleaning

Features

- Up to 48 m² screen area
- Up to 250 t/h capacity
- Quick sieve Change
- Less maintenance
- Efficient aspirator



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Optical Sorter SORTEX.

Monochromatic inspection.

Input

Accept

Reject

Dark defects

Foreign grains + seeds

Ergot

Discoloured grains, germ discolorations

Light defects

chaff, straw, brokens

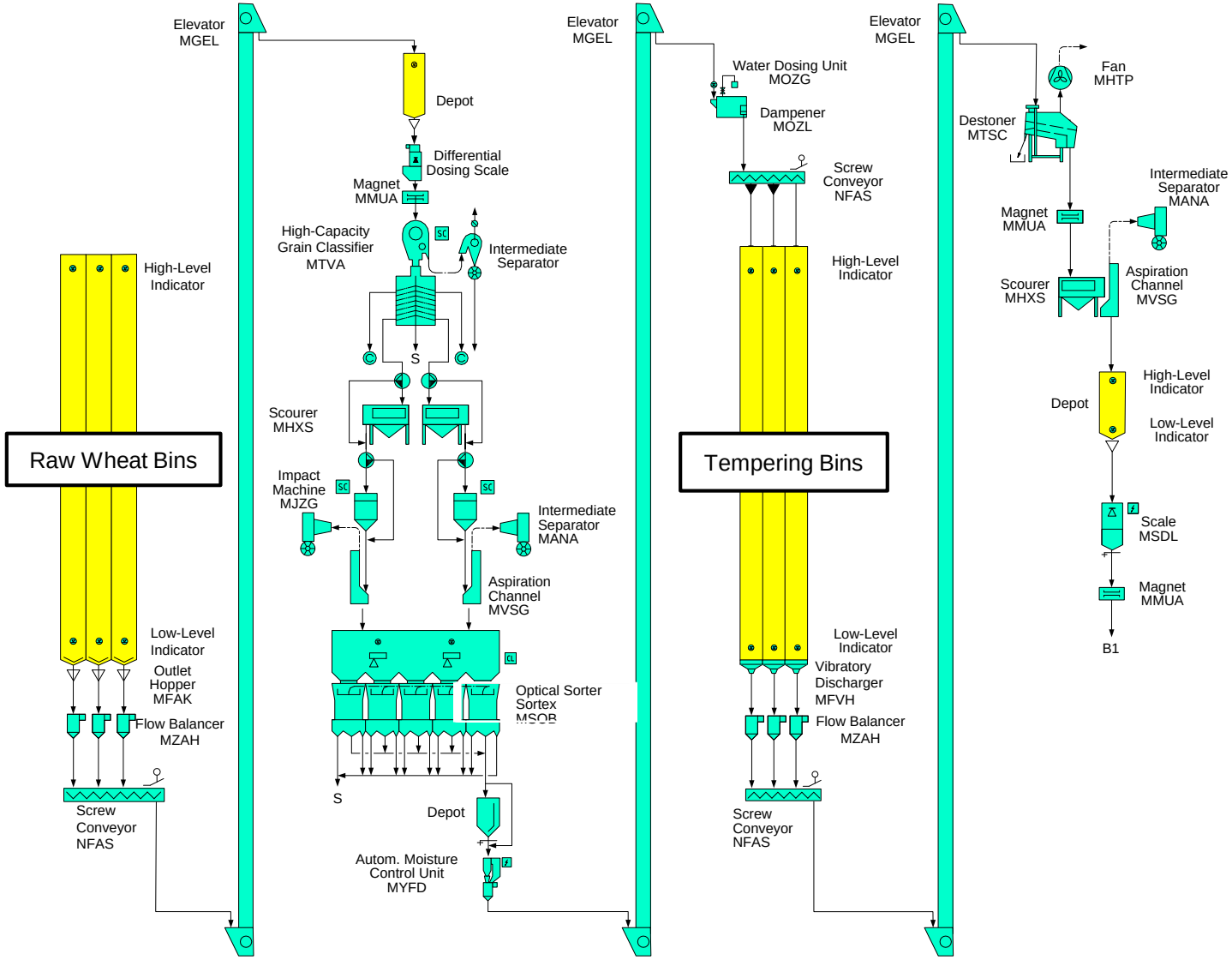
Foreign material, unhealthy wheat

Semi-transparent Stones, Glass, Plastics

Mycotoxin damaged, Diseased kernels

New Cleaning Concept

Classifier VEGA-MTVA and optical Sorting SORTEX

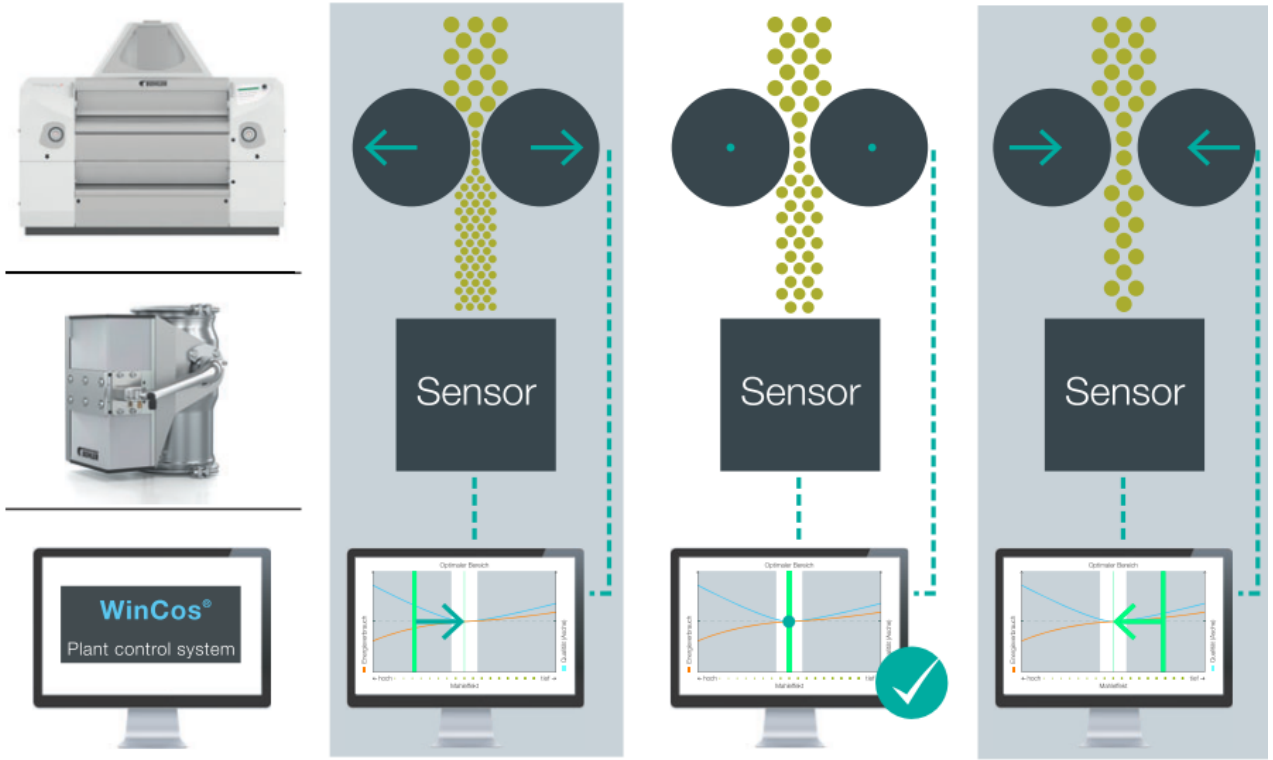


MILLING SOLUTIONS

Roller mill Antares Plus.
The Plus in Energy Savings.

Antares Plus enables an optimum grinding range with

- highest flour quality (low ash)
- at lowest possible energy input



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New Diorit Roller Mill

Diorit Four-Roller Mill MDDY

Diorit Eight-Roller Mill MDDY

Features

- Monitoring of roll disengagement
- Quick pack
- Roll speed monitoring
- Safe sampling
- Stainless Steel for product touching parts

Options

- Direct pick-up
- Water cooling
- Bearing temperature monitoring
- Roll temperature monitoring
- Roll diameter 300 mm

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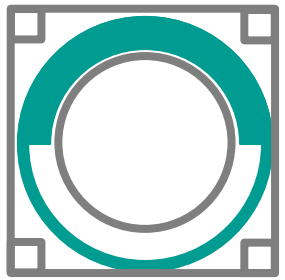
Small Plansifter Seginus MPAS. Features.

- Includes NOVAPUR Sieve Frames
- Stainless steel compartment
- Low Footprint
- Innovative integrated drive for lowest footprint (patented)
  - Beltless drive
  - Maintenance free
  - Runs on frequency converter

- Wide range of applications
  - Up to 4 Inlets
  - Up to 10 Outlets

MPAS-114



Drive working principle

MPAS-122

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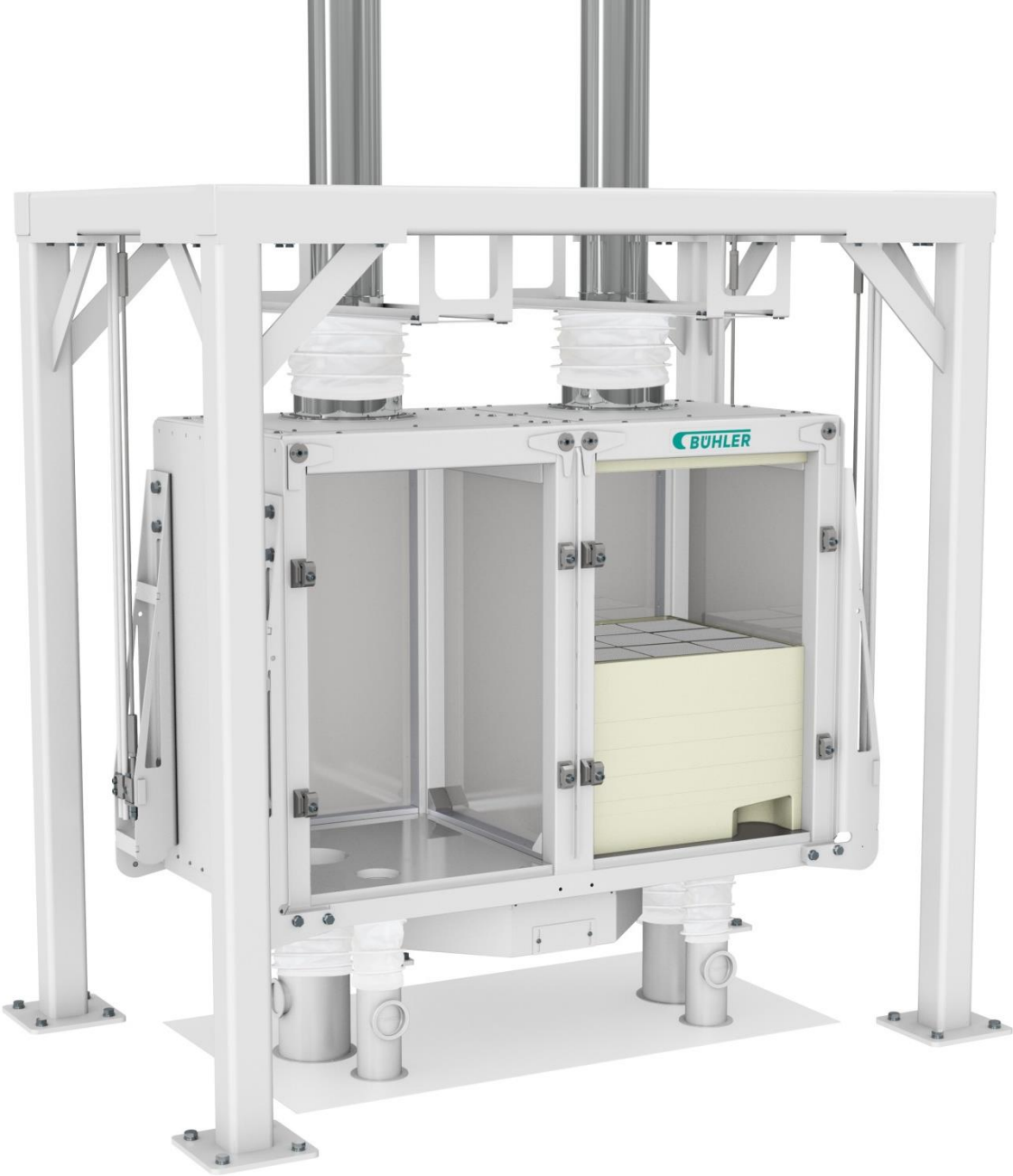
Small Plansifter Azurit Plus MPAU. with NOVATEC Sieve stacks.

- Fully equipped with synthetic sieve stacks NOVATEC
- Stainless steel lining for easy cleaning
- Isolated compartments to avoid condensation

NOVATEC

- High-tech synthetic material without any coating and fasteners
- Aluminum insert frame



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PERFORMANCE SOLUTIONS

New High Sanitation Scale Tubex MSDN

Features

- Hygienic Design
- Energy Efficient (95% less Energy Consumption)
- Easy to Retrofit in existing plants

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New Impact Machine Matador MJZH
Maximum end product hygiene thanks high mortality rate.

Features

- Mortality rate ≥ 99.5%
  (Official Certificate for Flour/Semolina)
- Energy savings compared to similar Machines: 30%
- Simple and flexible system integration

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Online NIR Sensor
Financial benefits

Features

- Real-time monitoring
- Absolute product safety
- Reduced costs
- Lower maintenance requirements

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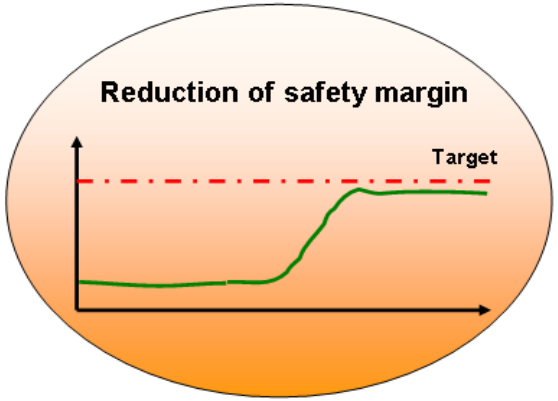
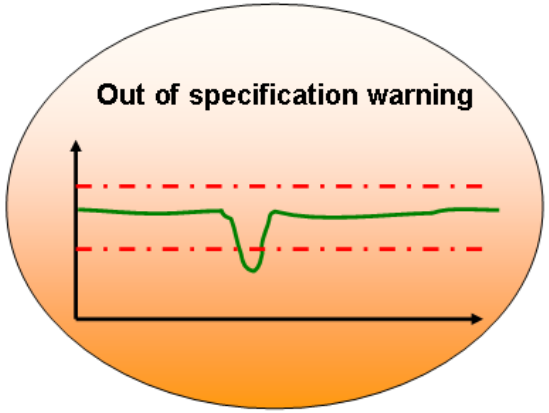
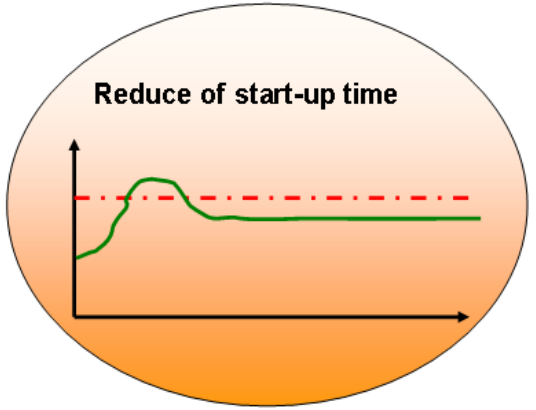
Improvement of flour production process







Different Applications

- Ash Loop
- Protein Loop (Wheat)
- Gluten Loop

Example Ash Loop Application:

Unregulated Conditions		Controlled Conditions	
Output main Grade Flour	78.5%	Output main Grade Flour	78.7%
Output low grade flour	4.5 %	Output low grade flour	4.3%

+0.2% More Extraction on main Grade Flour

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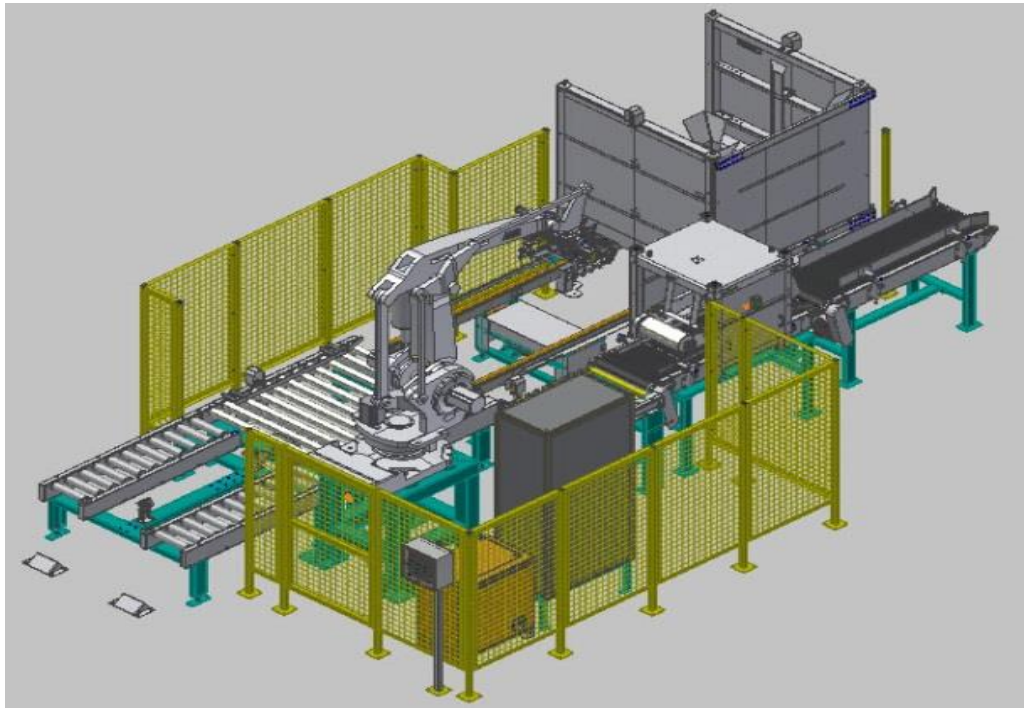
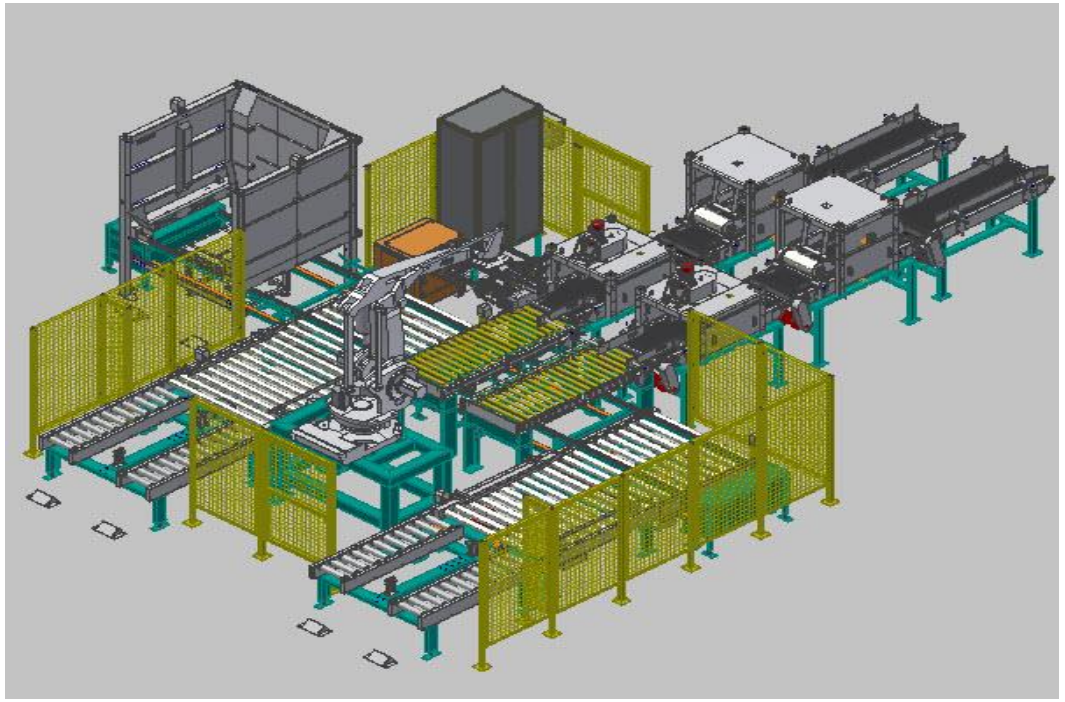
ALMA Robot palletizing



Max. Capacity: 15bags/min



Max. Capacity: 20bags/min

Features

- Compact design
- Modular design
- Easy operation and maintenance

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Engineering Customer Success.

ALIM – Vietnam 2017