



20 a 22 de Junho de 2016 - São Paulo/SP

BEUMER Solutions for the Cement Industry: everything from a single source

**Roberto do Valle – Sales Engineer
BEUMER Group**

Realização



Agenda

- **BEUMER Group Company Profile**
- **BEUMER Group equipment in the cement industry**
 - **Conveying technology**
 - **Alternative Fuels technology**
 - **Storage technology**
 - **Packaging technology**
 - **Palletising technology**
 - **Loading technology**

BEUMER Group Company Profile

- **Name:** BEUMER Group
- **Brands:** BEUMER, Crisplant, Enexco
- **Status:** independent and privately owned
in the 3rd generation
- **Founded:** 1935
- **Turnover:** 2015: approx. € 700 Mio.
- **Employees:** worldwide approx. 4,000
- **Contact:** www.beumergroup.com

BEUMER Group Worldwide



Business Segments



Logistic Systems



Conveying and Loading



Palletizing and Packaging



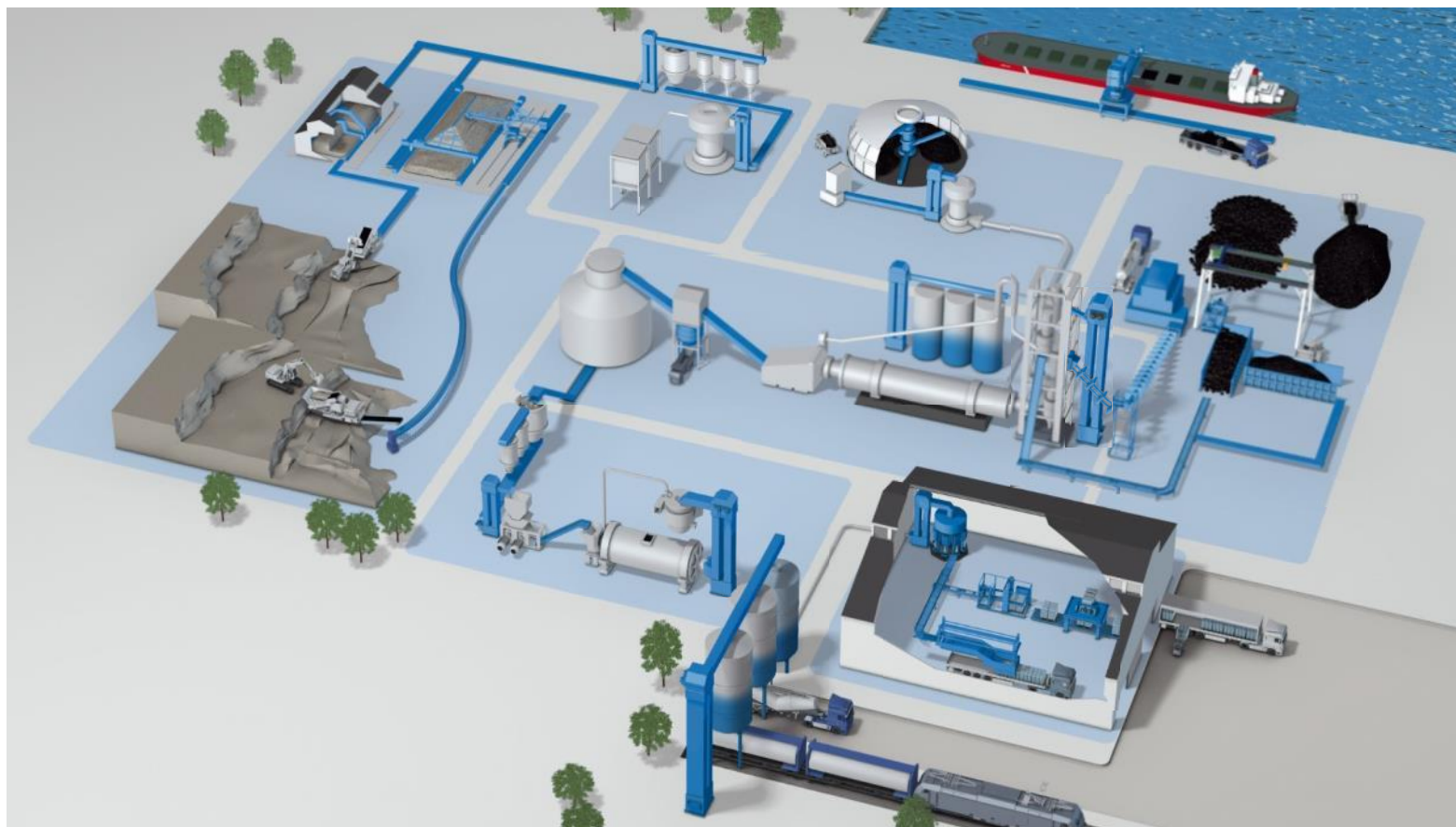
Airport



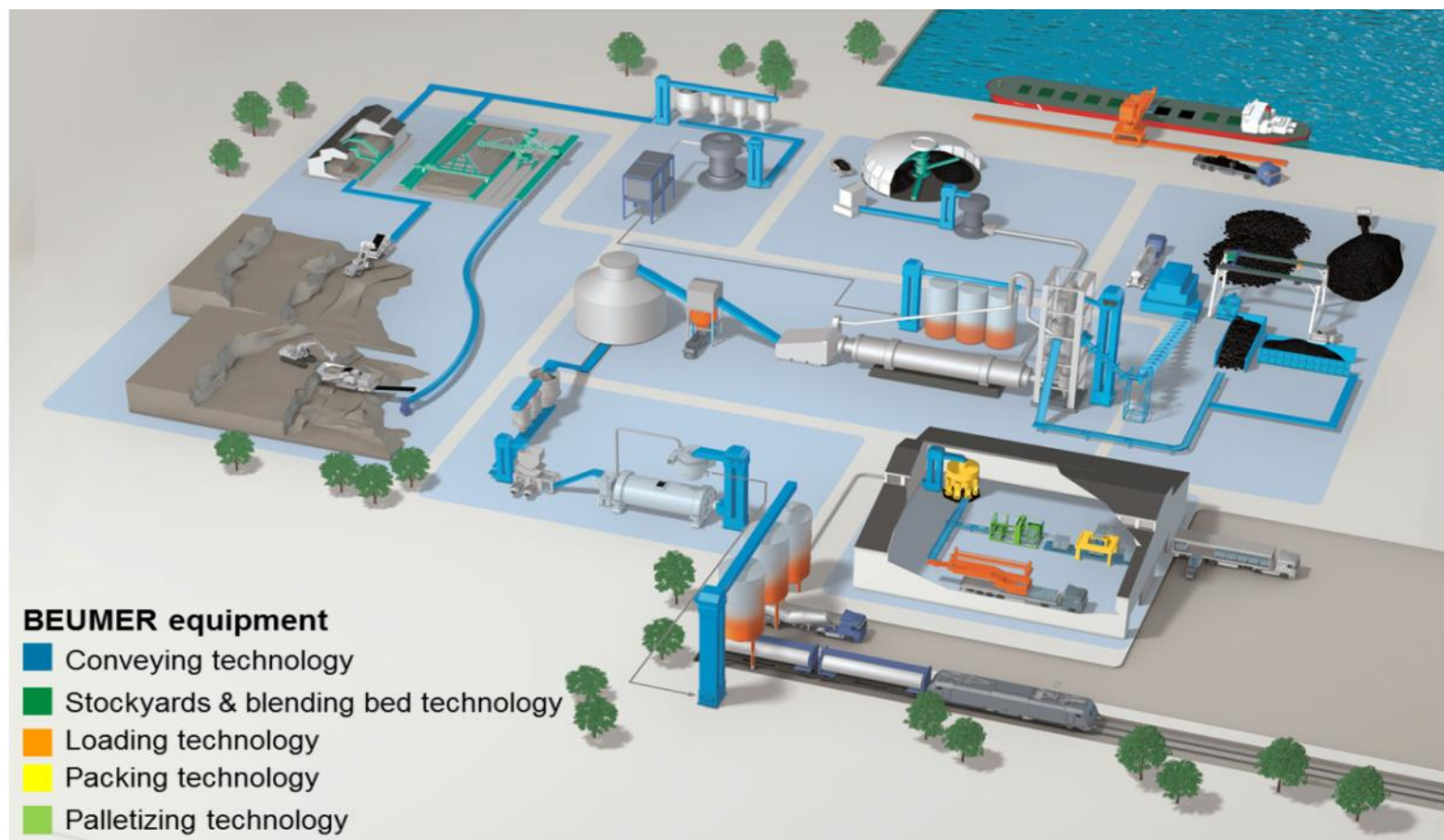
Customer Support

MADE DIFFERENT

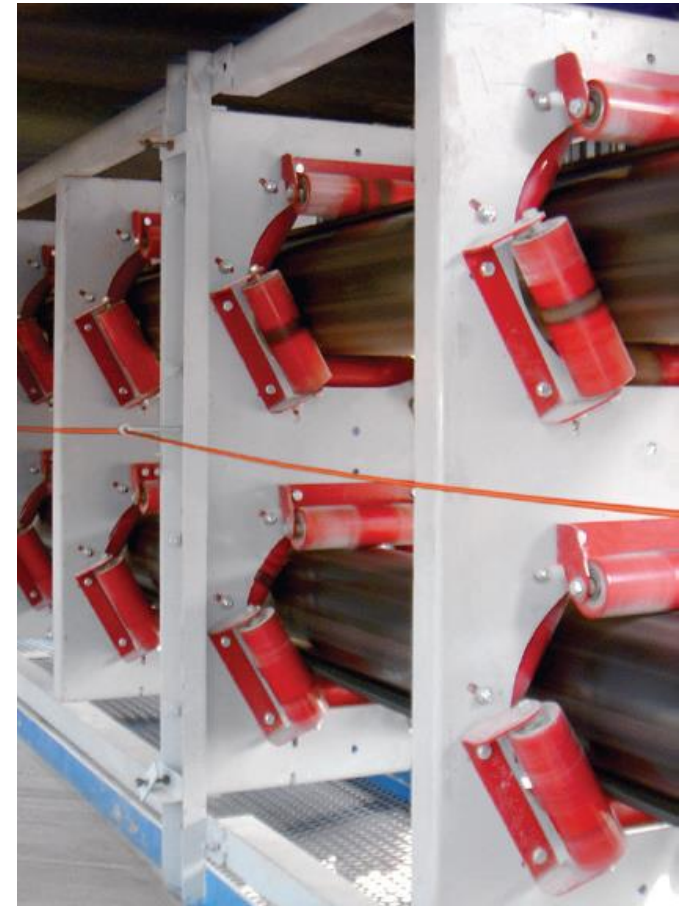
BEUMER Group equipment in the cement industry



BEUMER Group equipment in the cement industry



Conveying technology – Overland / Pipe conveyors



Conveying technology – Overland / Pipe conveyors

- Ideal for long distances
- Energy recovery option with downhill transport
- Centre distances of up to 20 km
- Horizontal curve radius of
 - 100 m (pipe conveyor) or
 - 400 m (troughed belt conveyor)
- Performance
 - Up to 6.000 t/h (pipe conveyor) or
 - Up to 10.000 t/h (troughed belt conveyor)
- Angle of inclination up to 30°

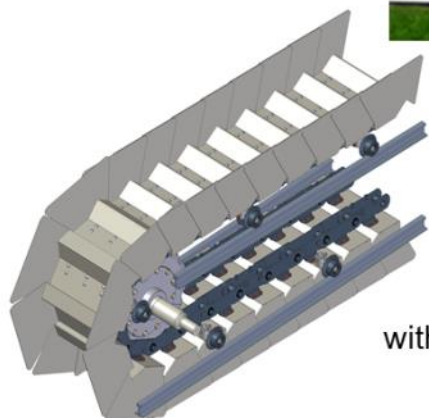
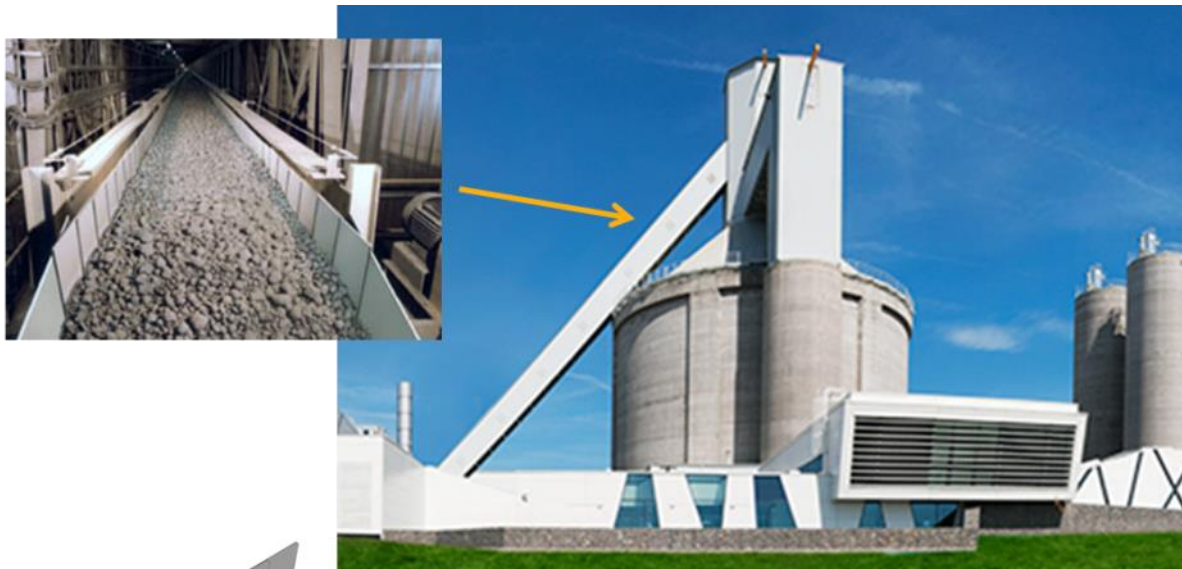


Conveying technology – Apron conveyors

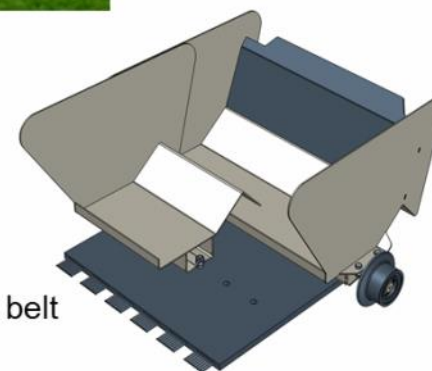


- Ideal for hot materials and highly abrasive substances
- Angle of inclination up to 60°
- Conveying speed up to 0,6 m/s

Conveying technology – Apron conveyors

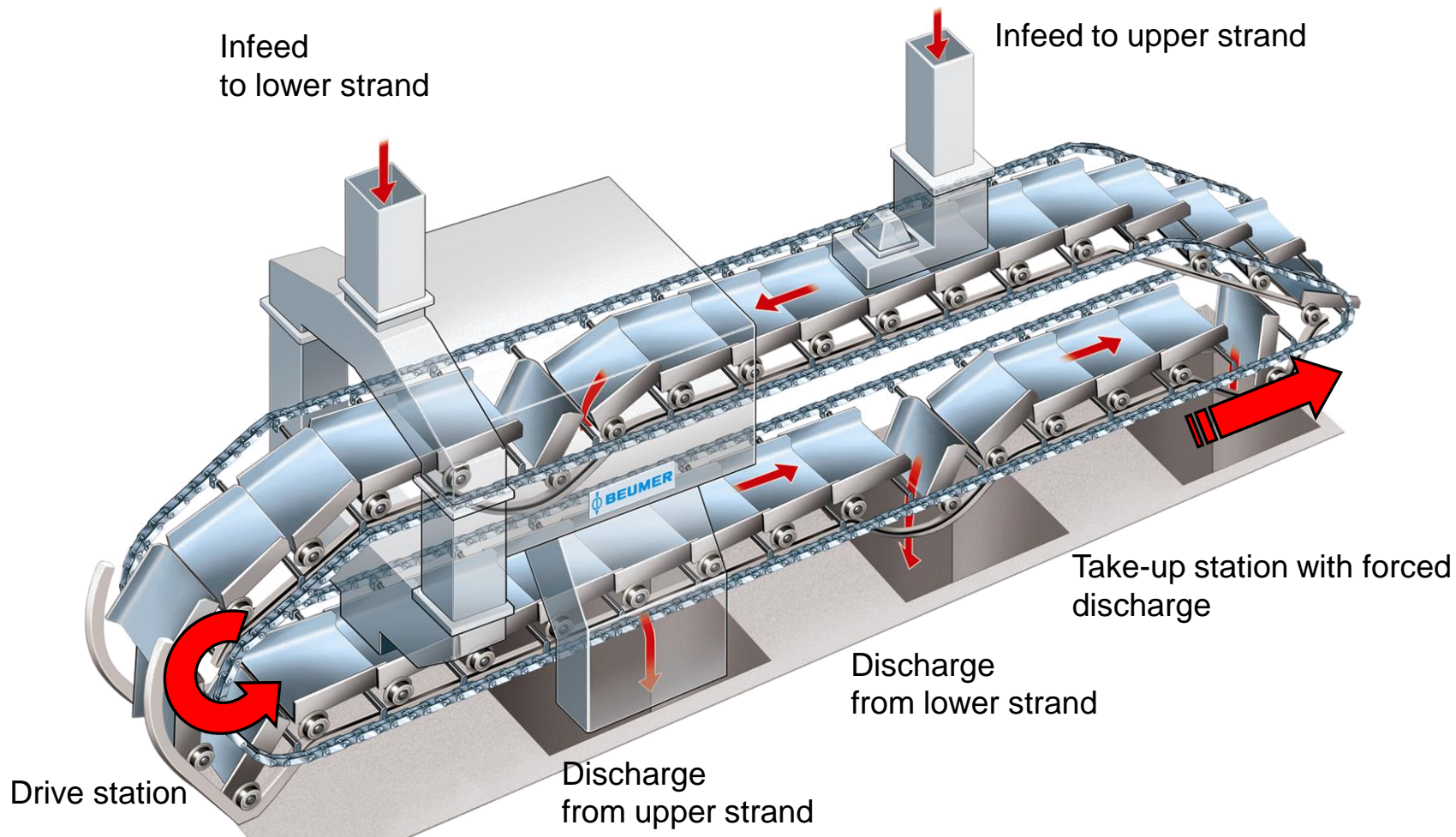


with chain

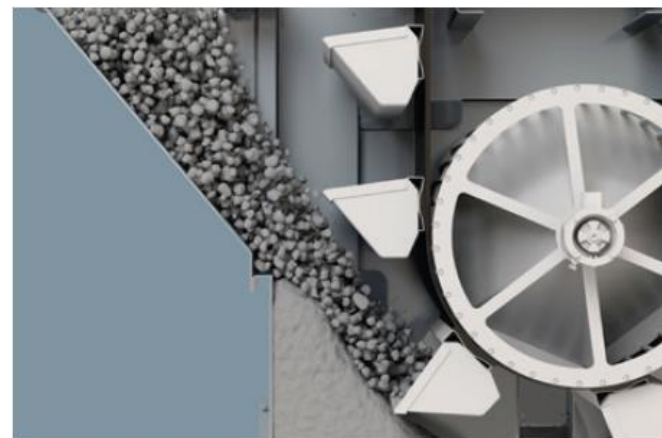


with belt

Conveying technology – Tipping Tray conveyors



Conveying technology – Bucket elevators



Conveying technology – Bucket elevators

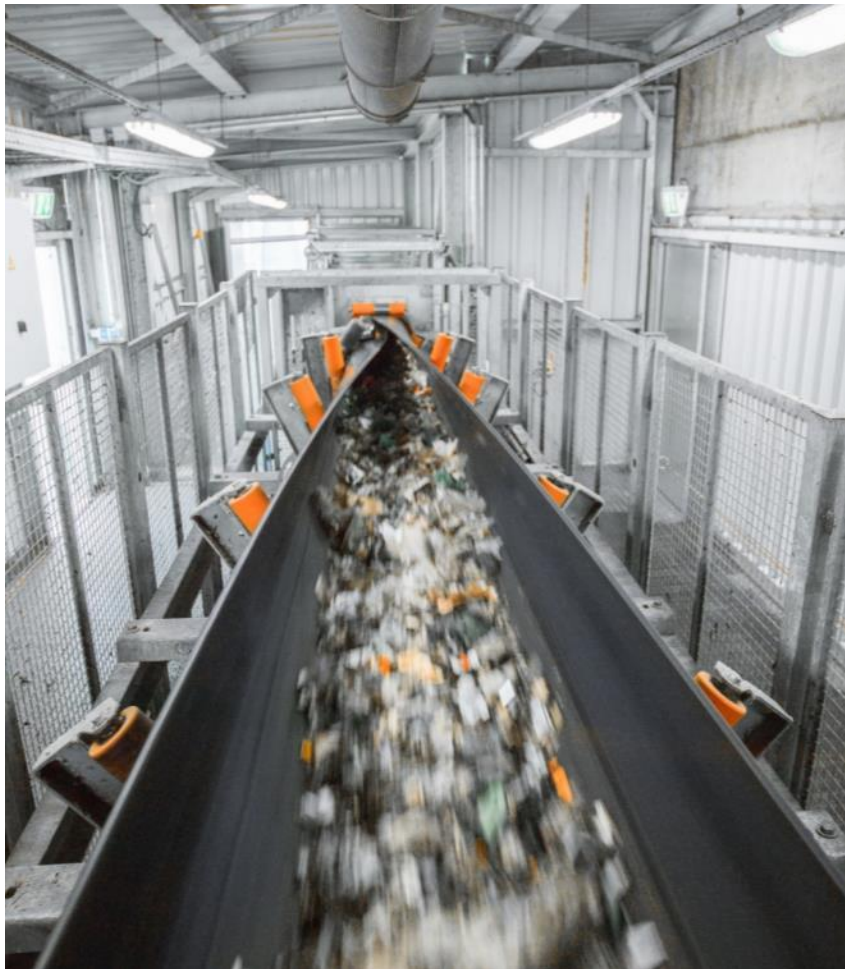


- Vertical conveyance of bulk material to heights up to 200m
- Transport capacities of up to 2.000 m³/h
- Maximum wear resistance even with highly abrasive materials
- High-temperature bulk material can be transported

Alternative fuels technology



Alternative fuels technology



- Economical energy recovery
- Low-cost waste disposal
- No unexpected environmental impacts
- Fuel types can be changed
- Precisely metered combustion processes
- Everything from a single source – from a component to the entire system

Storage technology



Storage technology

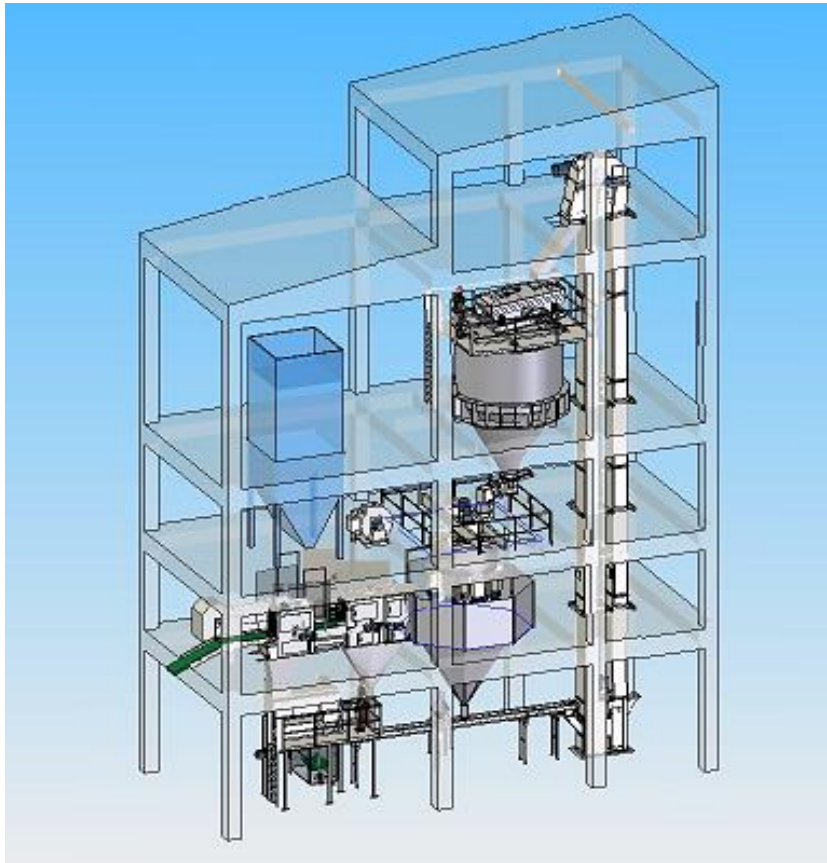


- Most appropriate use of space (longitudinal or circular stockpile)
- Designed for extreme operating temperatures
- Continuously adjustable discharge rate
- Very high feed-in performance
- Maximum possible homogenization in blending bed
- Detailed, material-specific solutions
- Sturdy, wear-resistant fittings
- Minimum environmental impact from noise and dust

Packaging technology – Filling system



Packaging technology – Filling system



BEUMER filling system consists of:

- Bucket elevator for feeding
- Screening system
- Dosing system
- BEUMER fillpac RC – bagging machine
 - BEUMER Bag discharge line
 - BEUMER Bag cleaning
 - BEUMER Check weighing
 - BEUMER Bag discharge
 - BEUMER Slitting device
 - BEUMER Screw conveyor

Packaging technology – Filling machine



BEUMER fillpac® RC
Turbine type



BEUMER fillpac® RM
Air type

Packaging technology – Automatic bag placer



Packaging technology – BEUMER stretch hood® A



Packaging technology – BEUMER stretch hood® A



Packaging technology – BEUMER stretch hood® A



- High load stability
- Excellent display qualities
- Protection against environmental impacts and interference
- Low power and film use
- Fully automatic pallet and package recognition
- Film length automatically calculated using ultrasound

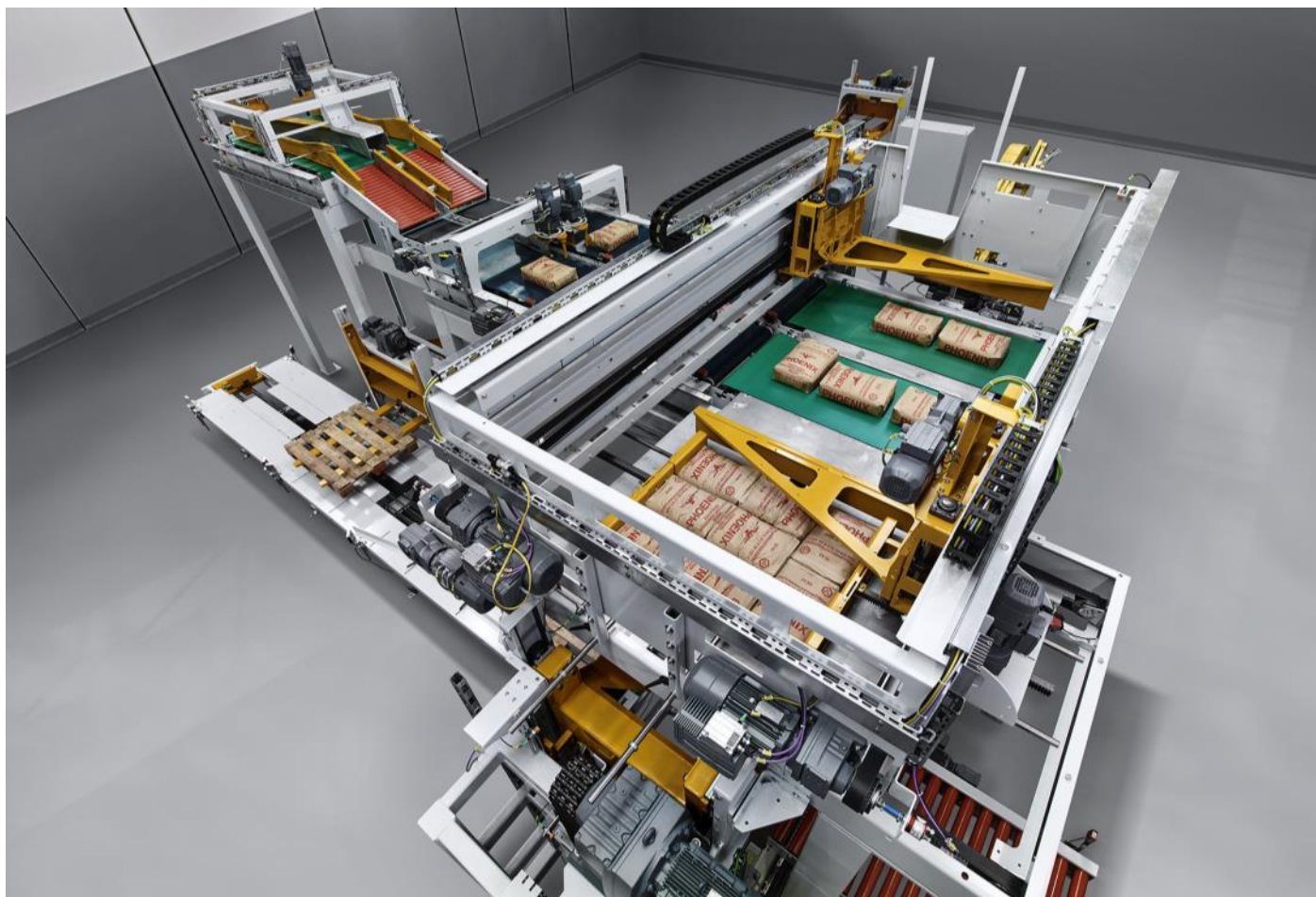
Palletising technology – BEUMER paketpac[®]



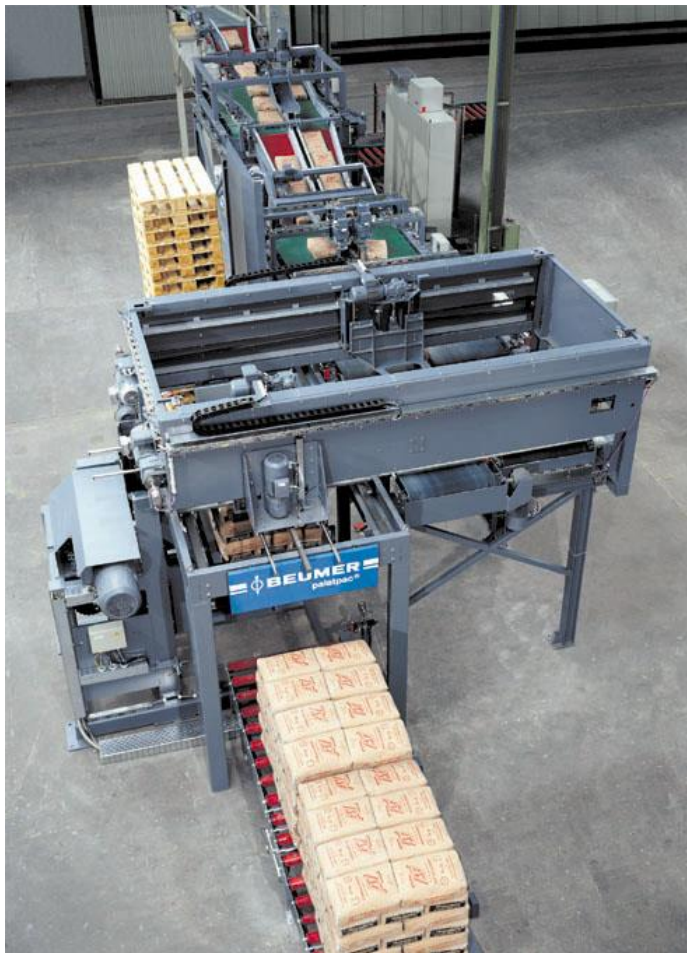
Palletising technology – BEUMER paketpac®



Palletising technology – BEUMER paletpac®



Palletising technology – BEUMER paletpac®



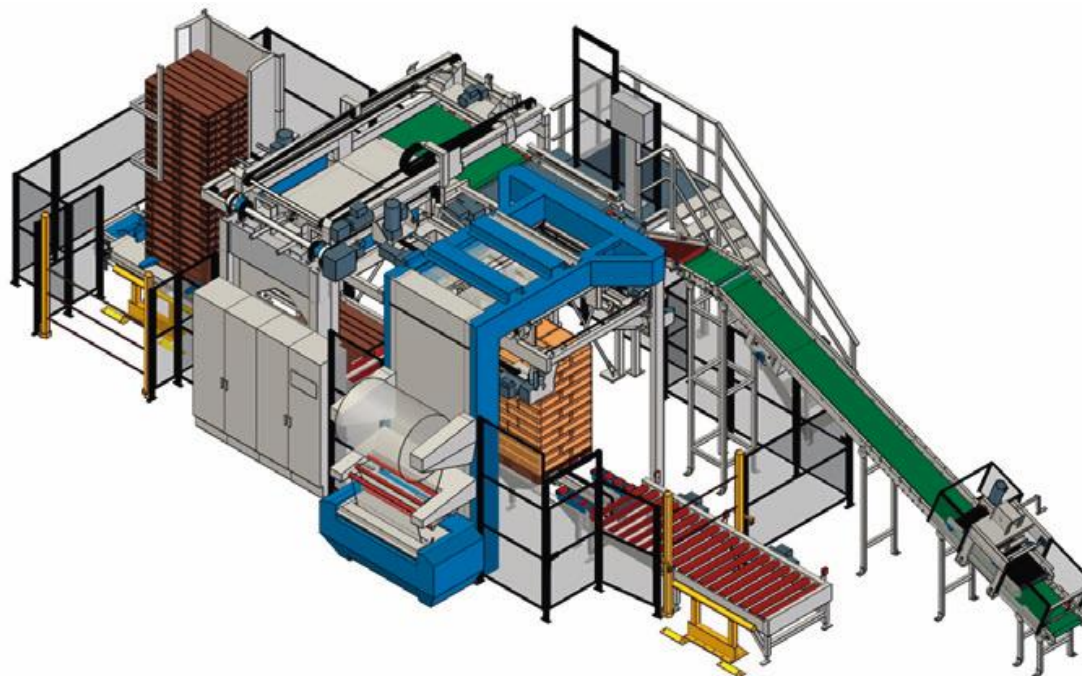
- Capacity: up to 5.500 bags/hour
- Gentle bag handling
- Precise stack formation
- Programs for all conventional packing patterns
- Intuitive adjustment of parameters for variable bag and pallet dimensions

Palletising technology – BEUMER paletpac®

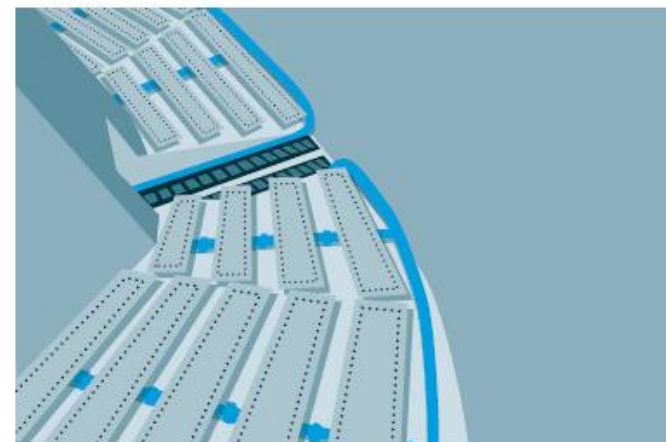


Palletising technology – BEUMER compac

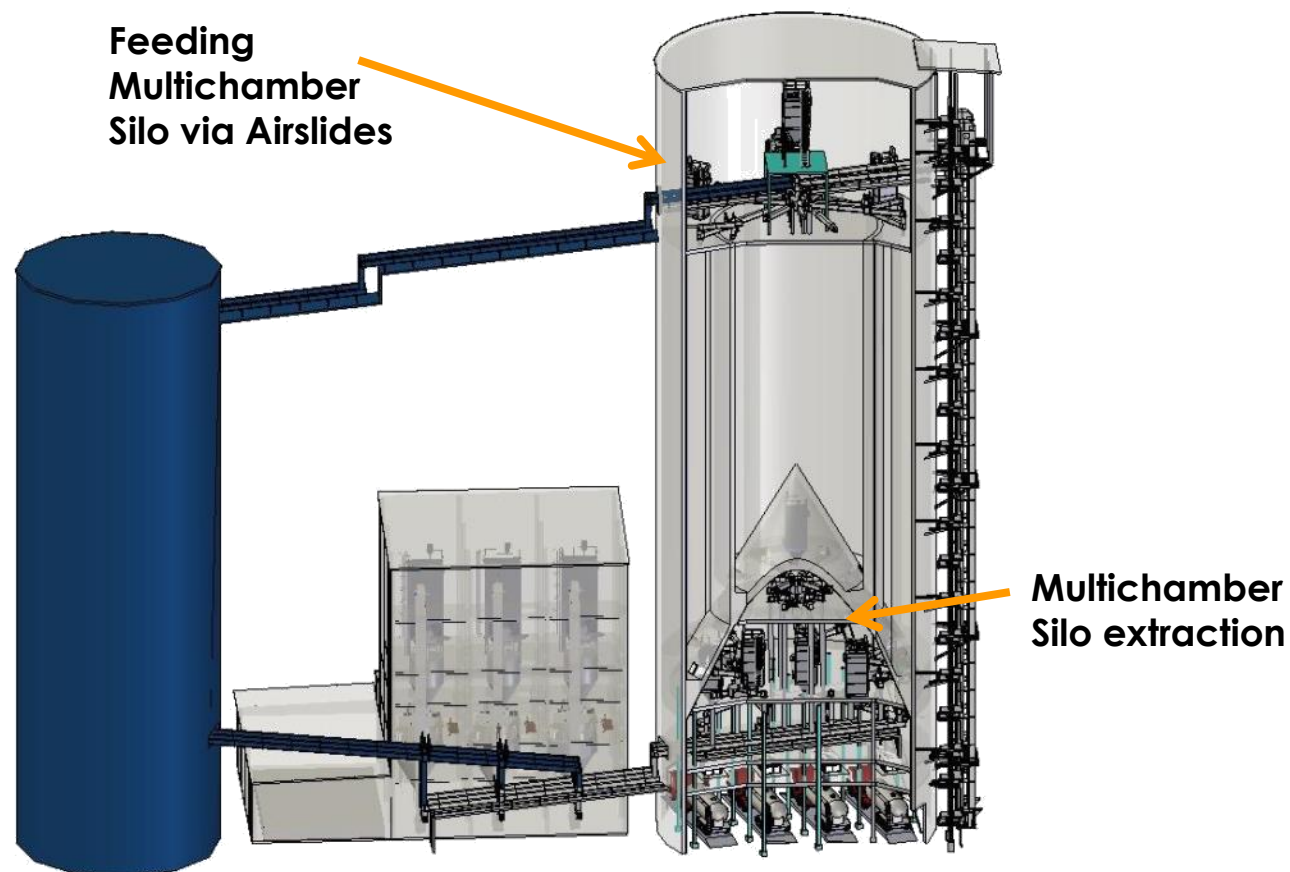
- Performance range: 1.200 to 2.500 bags/hour
- Less space required, smaller floor space due to compact system design
- Ground-level bag flattening conveyor, no separate access necessary
- Only one control cabinet, joint operation and control of palletising and packaging
- Joint safety circuit
- Minimal platform size of only 2,3 m²



Loading technology – Bulk material loading



Loading technology – Multichamber Silo



Loading technology – Bulk loading heads



Loading technology – BEUMER autopac®



- Quick loading of open trucks directly from the packaging machine to the loading area
- Precise number of bags can be selected in advance, allowing precise loading of trucks
- Constantly high loading capacity thanks to completely automated truck loading
- One operator runs several autopacs reducing personnel costs

Loading technology – BEUMER autopac®



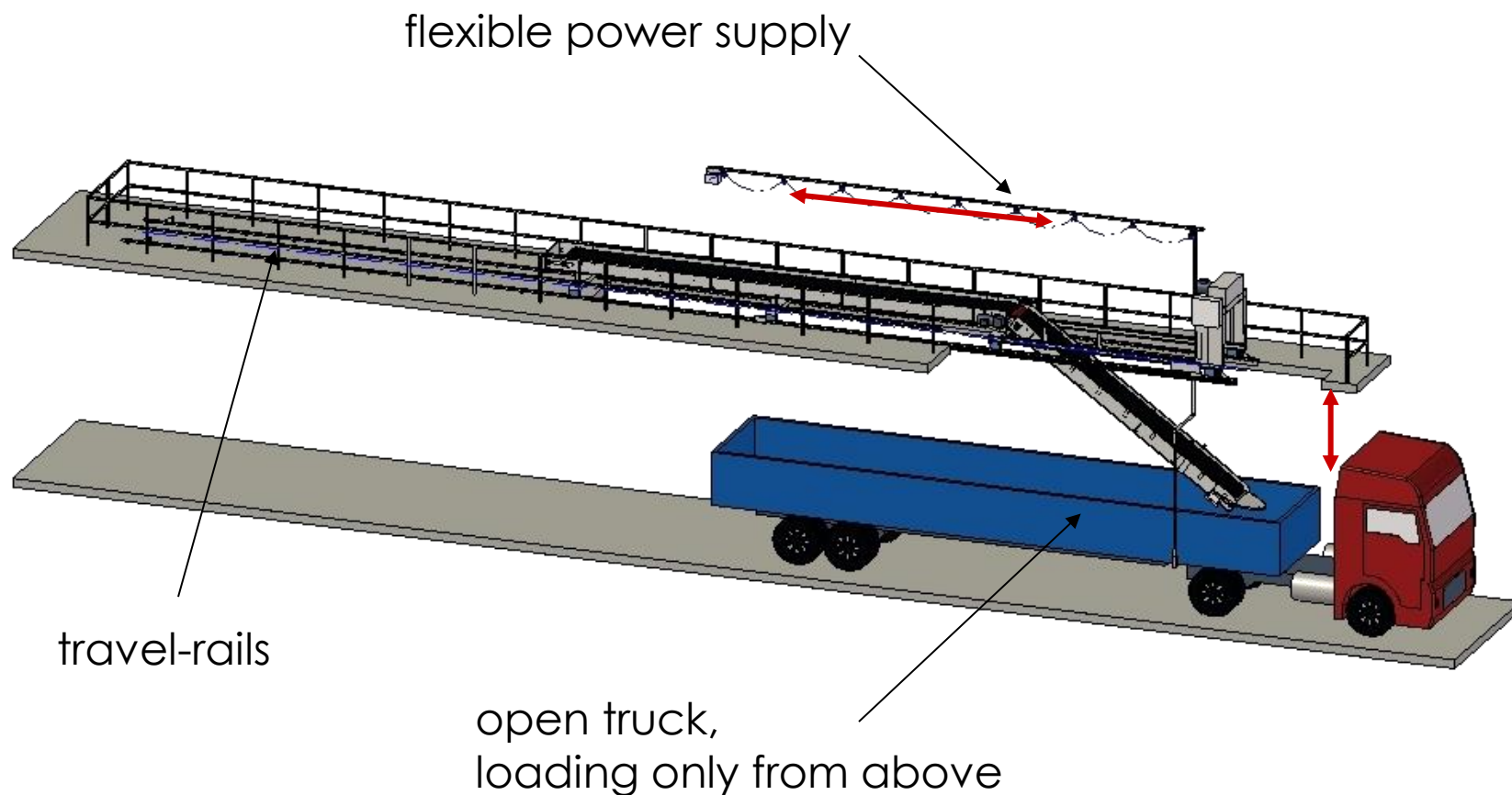
palletless



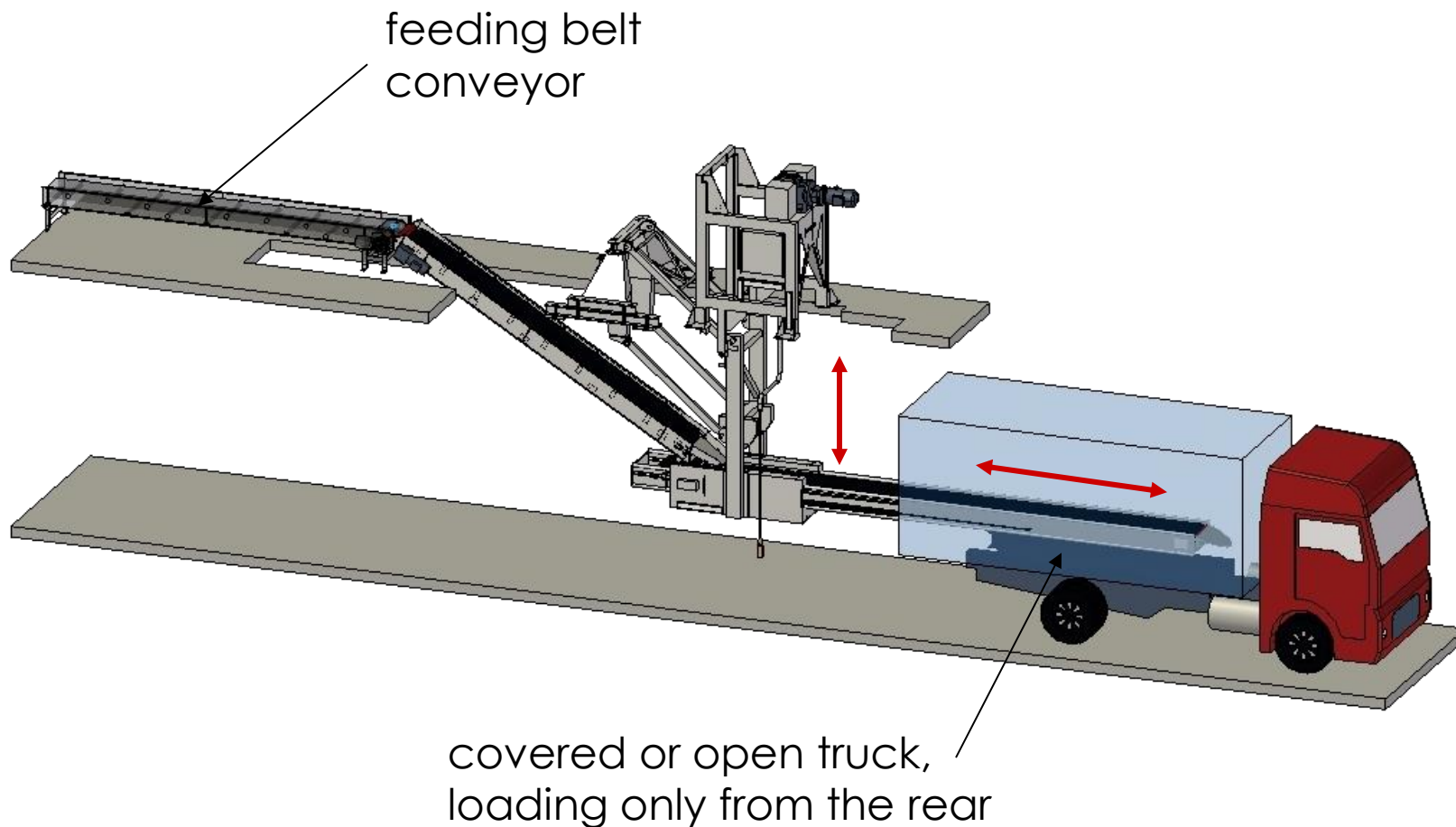
on pallets

- BEUMER autopac® 2400 => 2400 bag/h
- BEUMER autopac® 3000 => 3000 bag/h

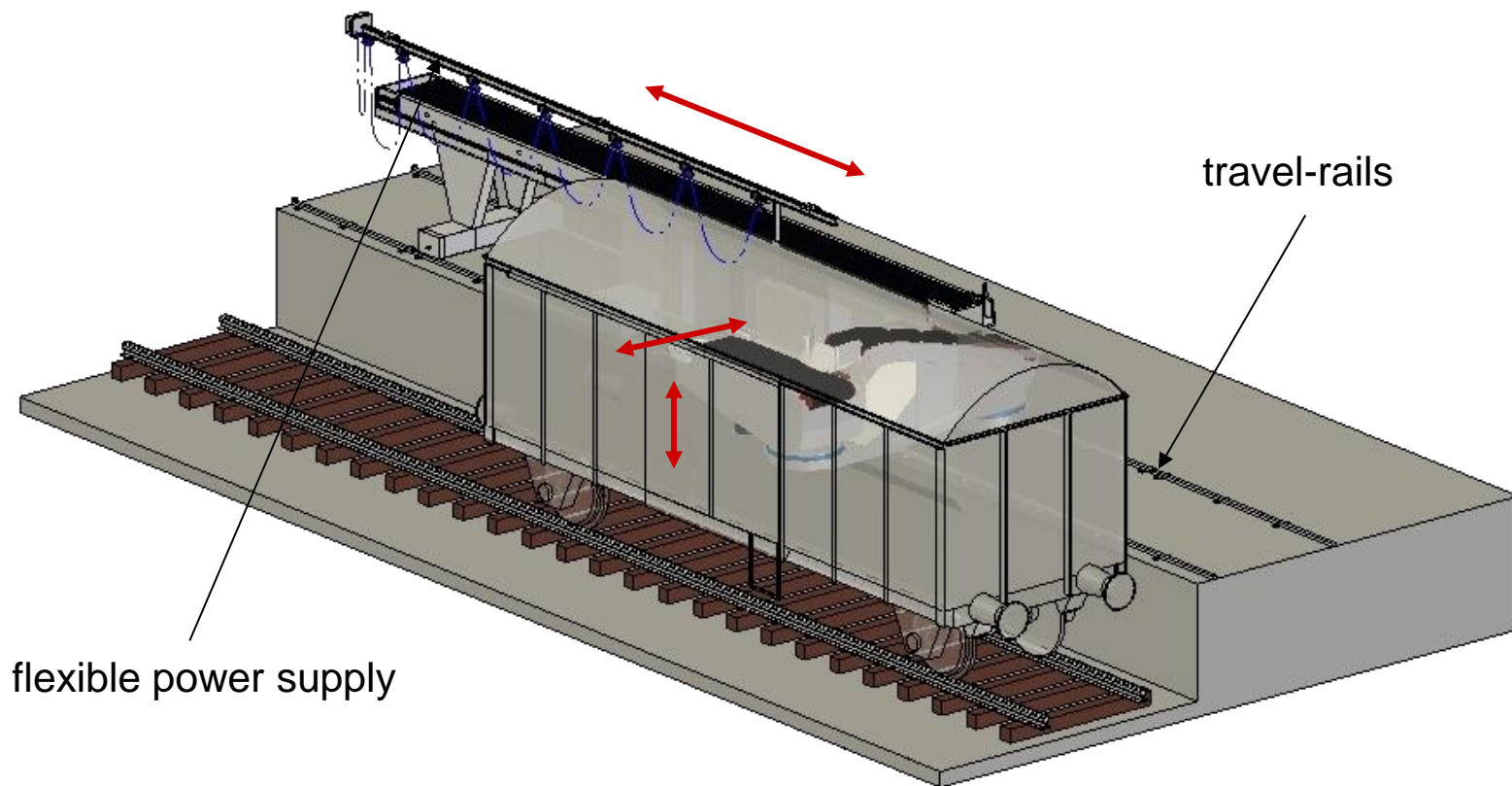
Loading technology – Truck loading machines



Loading technology – Truck loading machines



Loading technology – Wagon loading machines



Loading technology – Ship loading



For more information...

- Visit us at booth 43/44

Roberto do Valle

Sales Engineer

T. +55 (19) 2129 1765

Email: roberto.valle@beumergroup.com



BEUMER Latinoamericana Equipamentos Ltda.

Av. John Dalton, 301, Ed. 3 Bl. A

Cond. Techno Park – Plaza Corporate

13069-330 Campinas/SP – Brazil

www.beumergroup.com



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