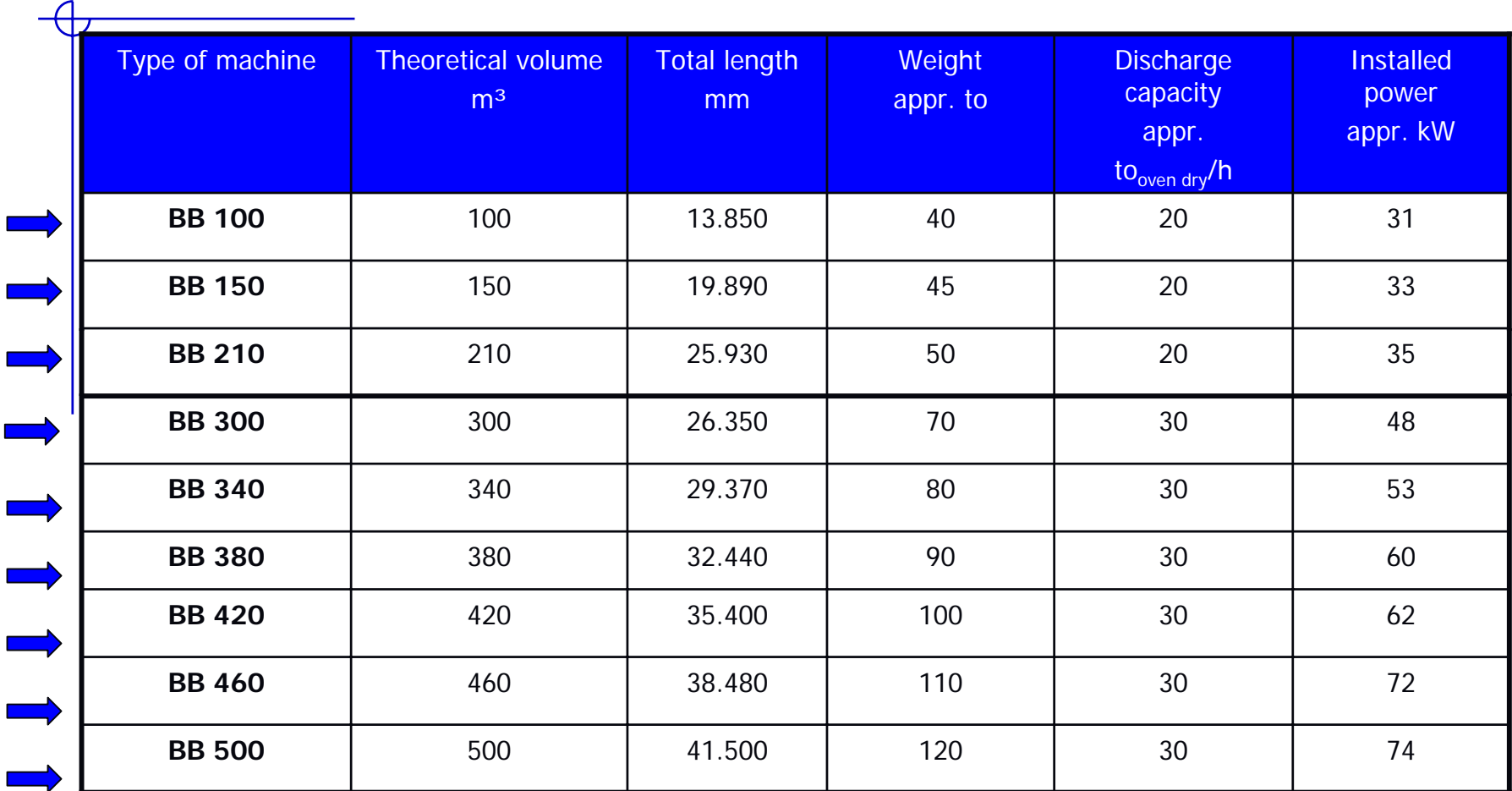


Metering bins



Metering bins – Machine versions



Type of machine	Theoretical volume m ³	Total length mm	Weight appr. to	Discharge capacity appr. to _{oven dry} /h	Installed power appr. kW
BB 100	100	13.850	40	20	31
BB 150	150	19.890	45	20	33
BB 210	210	25.930	50	20	35
BB 300	300	26.350	70	30	48
BB 340	340	29.370	80	30	53
BB 380	380	32.440	90	30	60
BB 420	420	35.400	100	30	62
BB 460	460	38.480	110	30	72
BB 500	500	41.500	120	30	74

Metering bins – BB 100

Technical data

volume of bin	100 m ³
total length	13,9 m
height	6,0 m
width	5,0 m
weight	appr. 40 t
voltage	400V/ 50 Hz
picker roller	6 pcs.

Driving capacity

bottom bed conveyer	1,5 kW (adjustable *)
rake back	7,5 kW
	v= 30 m/min
picker rolls	18 kW
discharge screw	3 kW
cleaning brush	1,1 kW

Feeding capacity

back conveyer	40.000 kg _{b.d.} /h
discharge capacity	20.000 kg _{b.d.} /h adjustable
bulk weight	40 kg _{b.d.} /h

* Frequency converter on site

Metering bins – BB 150

Technical data

volume of bin	150 m ³
total length	19,9 m
height	6,0 m
width	5,0 m
weight	appr. 45 to
voltage	400V/ 50 Hz
picker roller	6 pcs.

Driving capacity

bottom bed conveyer	2,2 kW (adjustable *)
rake back	9,2 kW
	v= 30 m/min
picker rolls	18 kW
discharge screw	3 kW
cleaning brush	1,1 kW

Feeding capacity

back conveyer	40.000 kg _{b.d.} /h
discharge capacity	20.000 kg _{b.d.} /h adjustable
bulk weight	40 kg _{b.d.} /h

* Frequency converter on site

Metering bins – BB 210

Technical data

volume of bin	210 m ³
total length	25,9 m
height	6,0 m
width	5,0 m
weight	appr. 50 to
voltage	400V/ 50 Hz
picker roller	6 pcs.

Driving capacity

bottom bed conveyer	2,2 kW (adjustable *)
rake back	11 kW
	v= 30 m/min
picker rolls	18 kW
discharge screw	3 kW
cleaning brush	1,1 kW

Feeding capacity

back conveyer	40.000 kg _{b.d.} /h
discharge capacity	20.000 kg _{b.d.} /h adjustable
bulk weight	40 kg _{b.d.} /h

* Frequency converter on site

Metering bins – BB 300

Technical data

volume of bin	300 m ³
total length	26,4 m
height	6,6 m
width	5,8 m
weight	appr. 70 t
voltage	400V/ 50 Hz
picker roller	7 pcs.

Driving capacity

bottom bed conveyer	2,2 kW (adjustable *)
rake back	11 kW
	v=30 m/min
picker rolls	28 kW
discharge screw	5,5 kW
cleaning brush	1,1 kW

Feeding capacity

back conveyer	40.000 kg _{b.d.} /h
discharge capacity	30.000 kg _{b.d.} /h adjustable
bulk weight	40 kg _{b.d.} /h

* Frequency converter on site

Metering bins – BB 340

Technical data

volume of bin	340 m ³
total length	29,4 m
height	6,6 m
width	5,8 m
weight	appr. 80 to
voltage	400V/ 50 Hz
picker roller	7 pcs.

Driving capacity

bottom bed conveyer	4 kW (adjustable *)
rake back	15 kW
	v=30 m/min
picker rolls	28 kW
discharge screw	5,5 kW
cleaning brush	1,1 kW

Feeding capacity

back conveyer	40.000 kg _{b.d.} /h
discharge capacity	30.000 kg _{b.d.} /h adjustable
bulk weight	40 kg _{b.d.} /h

* Frequency converter on site

Metering bins – BB 380

Technical data

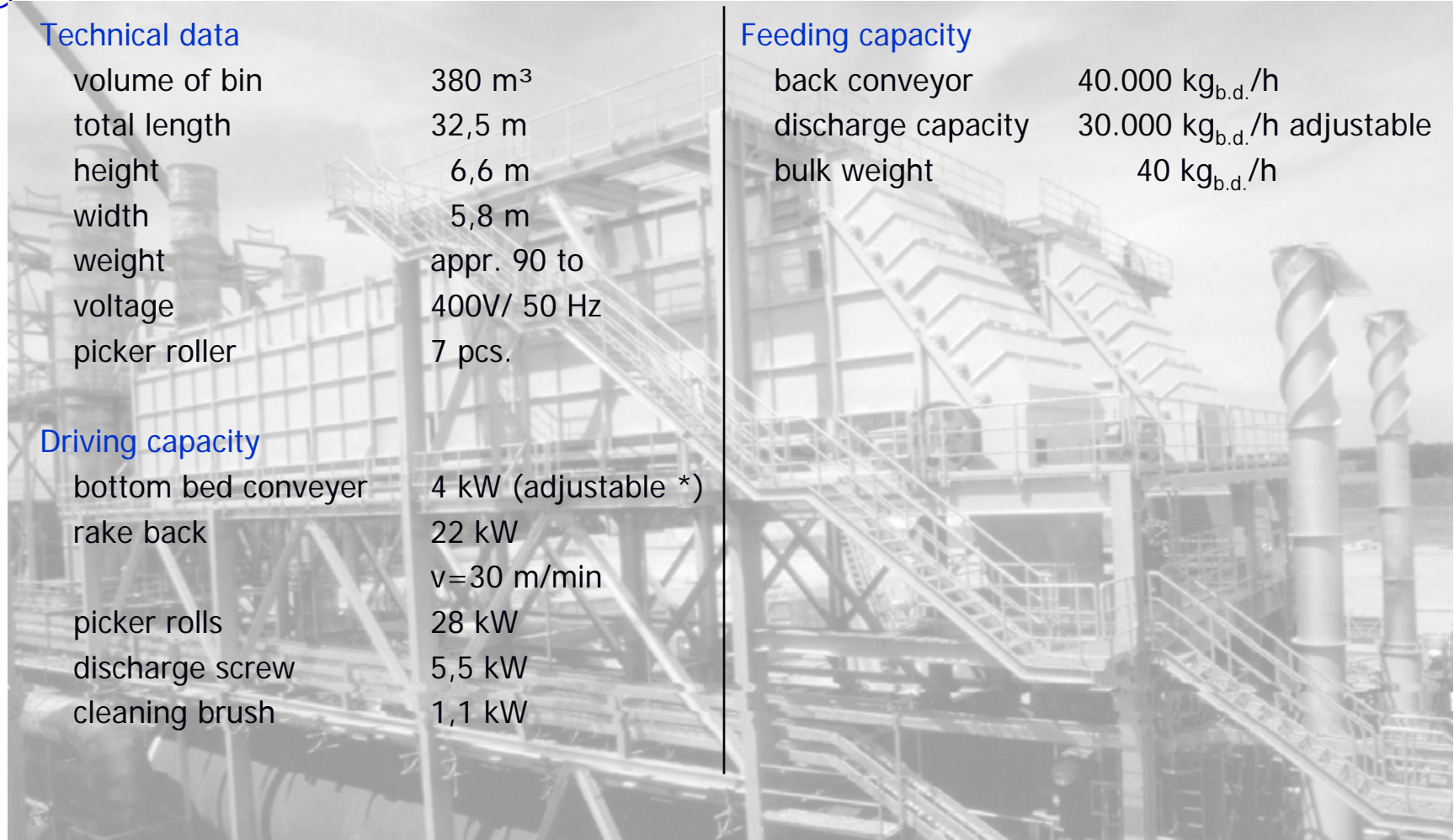
volume of bin	380 m ³
total length	32,5 m
height	6,6 m
width	5,8 m
weight	appr. 90 to
voltage	400V/ 50 Hz
picker roller	7 pcs.

Driving capacity

bottom bed conveyer	4 kW (adjustable *)
rake back	22 kW
	v=30 m/min
picker rolls	28 kW
discharge screw	5,5 kW
cleaning brush	1,1 kW

Feeding capacity

back conveyer	40.000 kg _{b.d.} /h
discharge capacity	30.000 kg _{b.d.} /h adjustable
bulk weight	40 kg _{b.d.} /h



* Frequency converter on site

Metering bins – BB 420

Technical data

volume of bin	420 m ³
total length	35,4 m
height	6,6 m
width	5,8 m
weight	appr. 100 to
voltage	400V/ 50 Hz
picker roller	7 pcs.

Driving capacity

bottom bed conveyer	5,5 kW (adjustable *)
rake back	22 kW
	v= 30 m/min
picker rolls	28 kW
discharge screw	5,5 kW
cleaning brush	1,1 kW

Feeding capacity

back conveyer	40.000 kg _{b.d.} /h
discharge capacity	30.000 kg _{b.d.} /h adjustable
bulk weight	40 kg _{b.d.} /h

* Frequency converter on site

Metering bins – BB 460

Technical data

volume of bin	460 m ³
total length	38,5 m
height	6,6 m
width	5,8 m
weight	appr. 110 to
voltage	400V/ 50 Hz
picker roller	7 pcs.

Driving capacity

bottom bed conveyer	5,5 kW (adjustable *)
rake back	30 kW
	v=30 m/min
picker rolls	28 kW
discharge screw	7,5 kW
cleaning brush	1,1 kW

Feeding capacity

back conveyer	40.000 kg _{b.d.} /h
discharge capacity	30.000 kg _{b.d.} /h adjustable
bulk weight	40 kg _{b.d.} /h

* Frequency converter on site

Metering bins – BB 500

Technical data

volume of bin	500 m ³
total length	41,5 m
height	6,6 m
width	5,8 m
weight	appr. 120 to
voltage	400V/ 50 Hz
picker roller	7 pcs.

Driving capacity

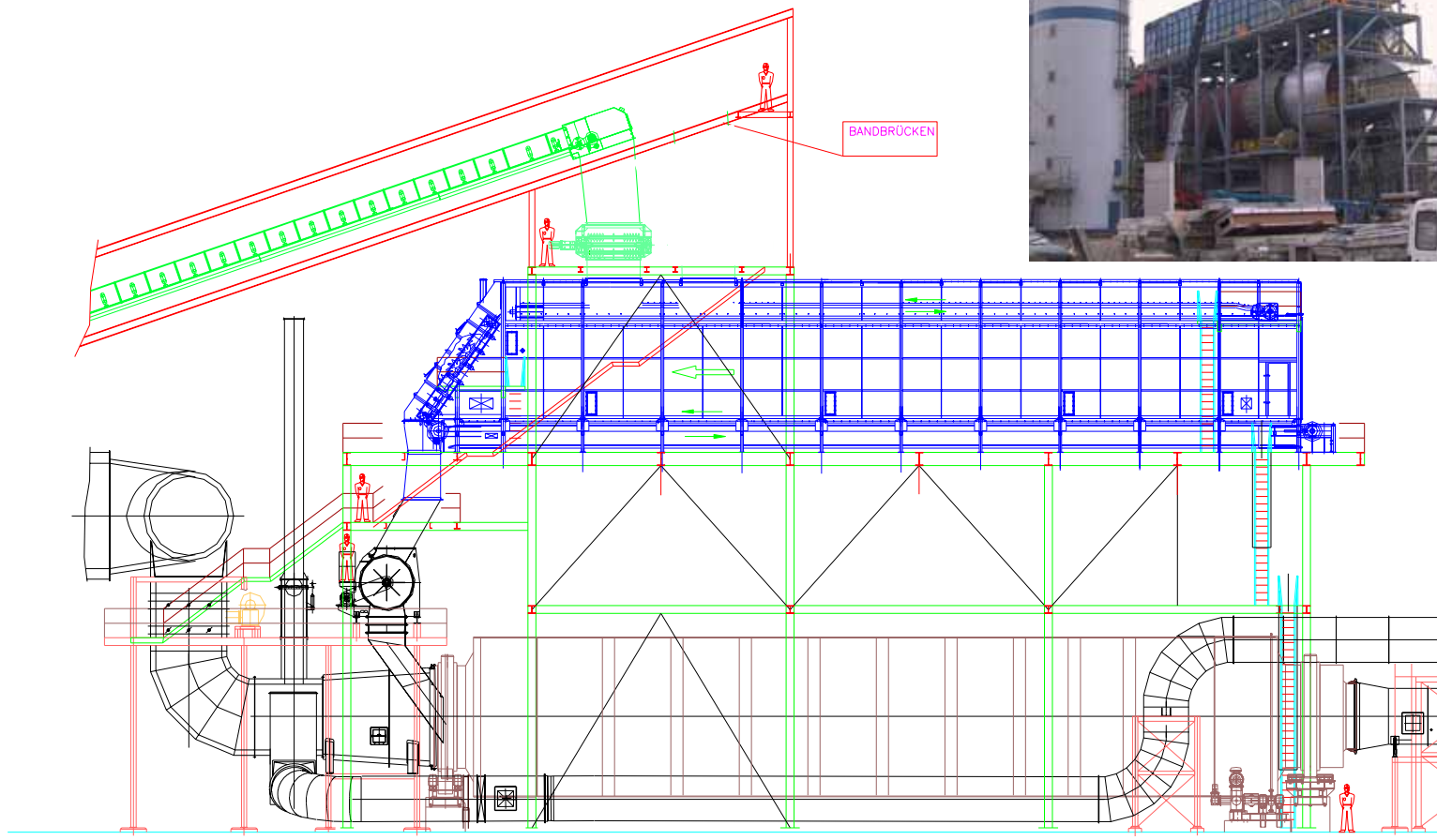
bottom bed conveyer	7,5 kW (adjustable *)
rake back	30 kW
	v=30 m/min
picker rolls	28 kW
discharge screw	7,5 kW
cleaning brush	1,1 kW

Feeding capacity

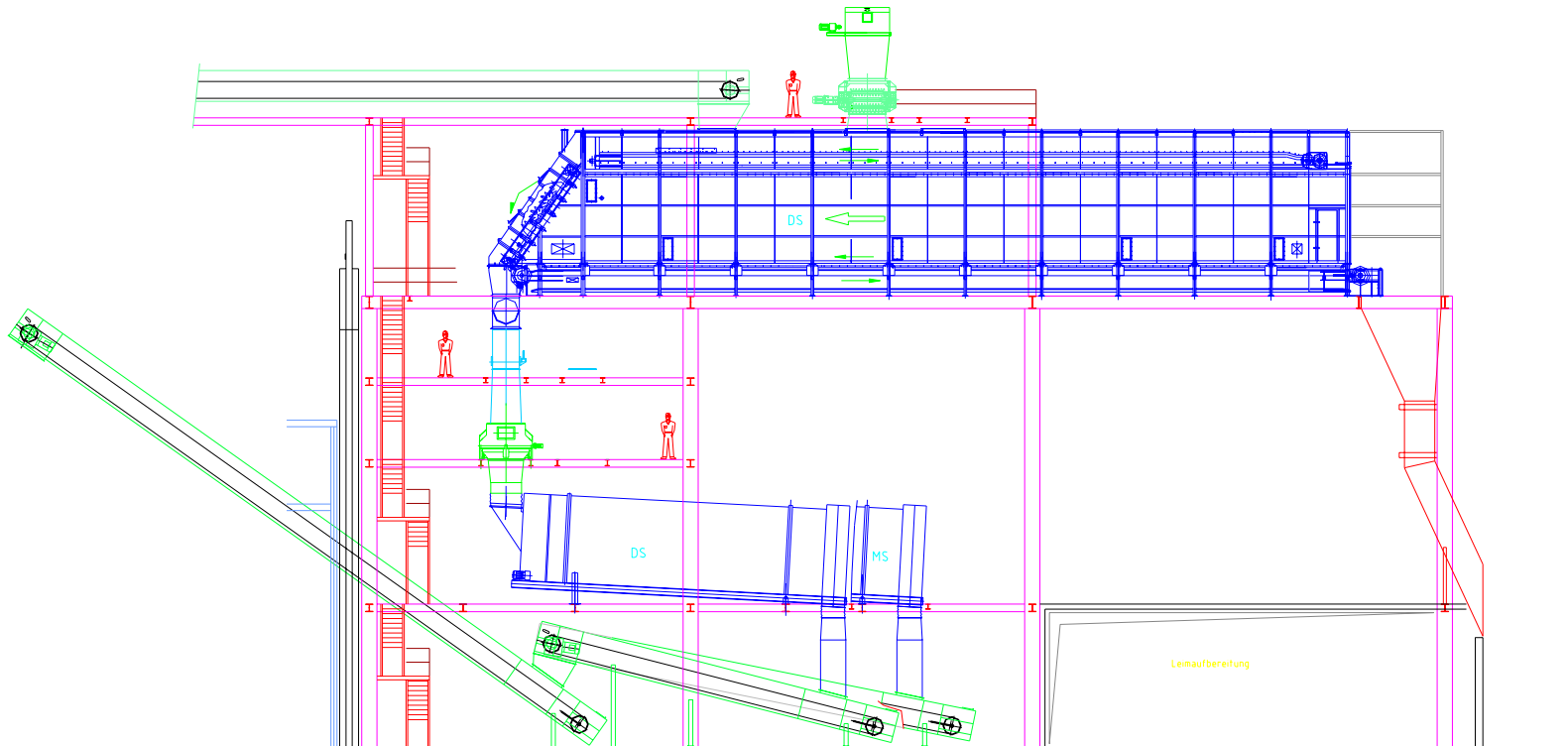
back conveyer	40.000 kg _{b.d.} /h
discharge capacity	30.000 kg _{b.d.} /h adjustable
bulk weight	40 kg _{b.d.} /h

* Frequency converter on site

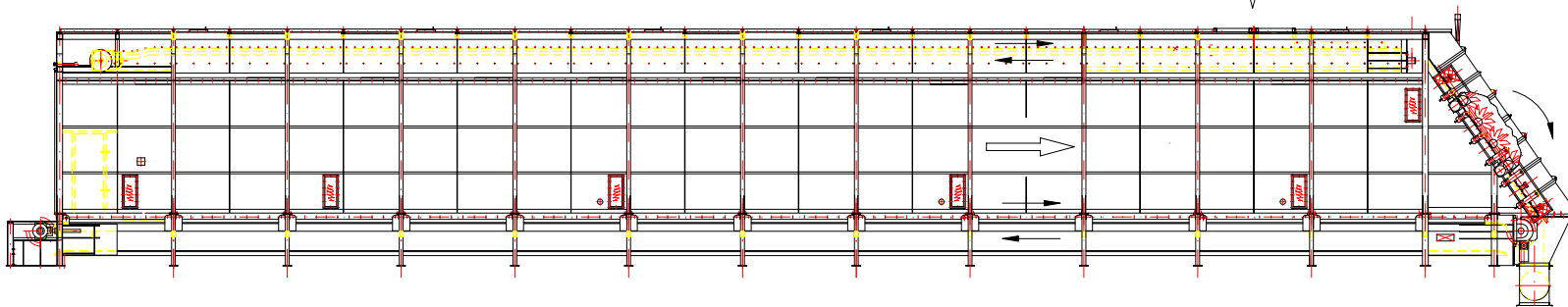
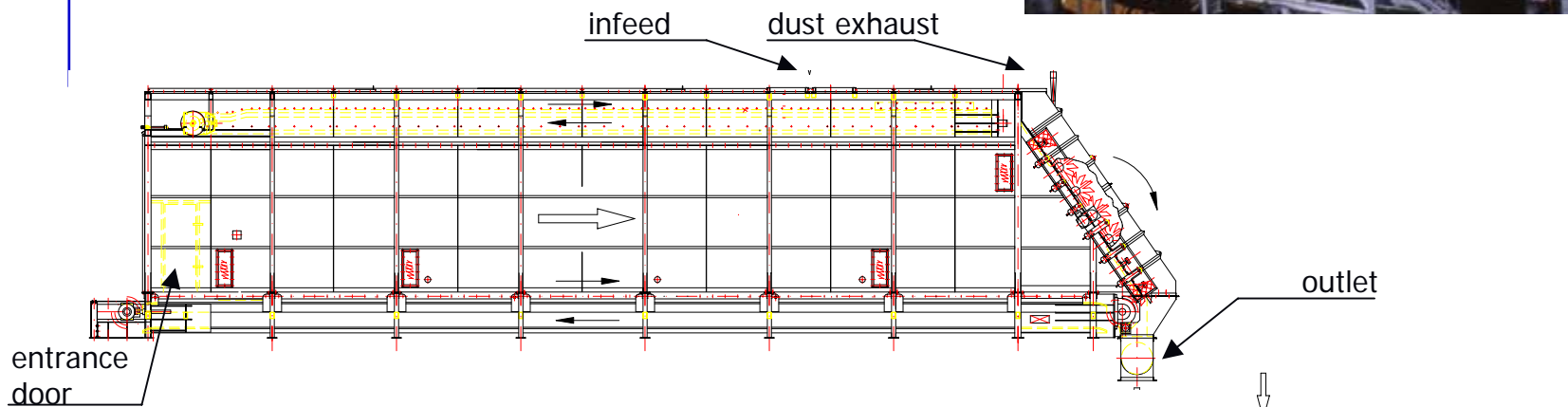
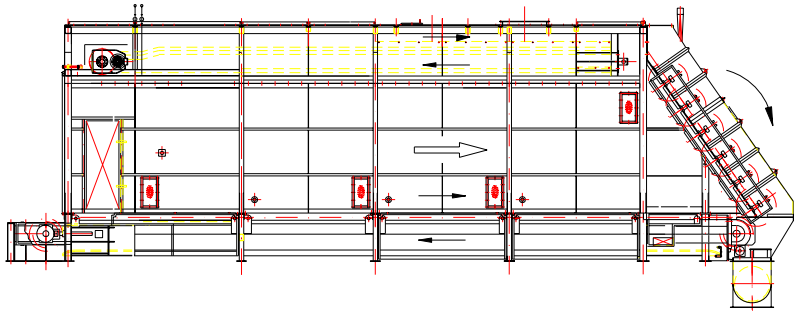
Metering bins – Example of wet bin installation



Metering bins – Possible setting plan for the dry bin

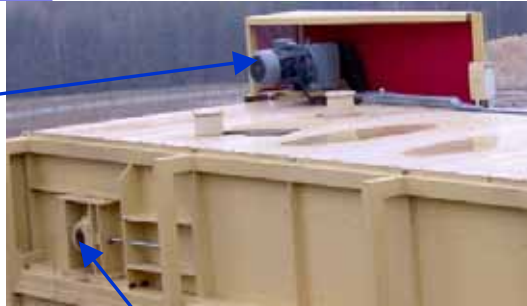


Metering bins – Front view

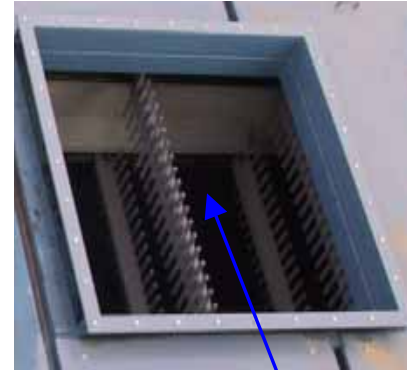


Metering bins – Top view

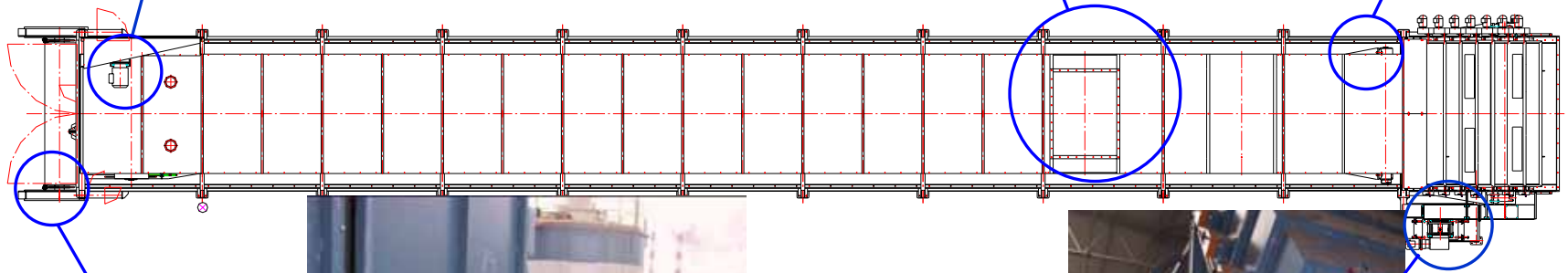
Drive of back conveyor



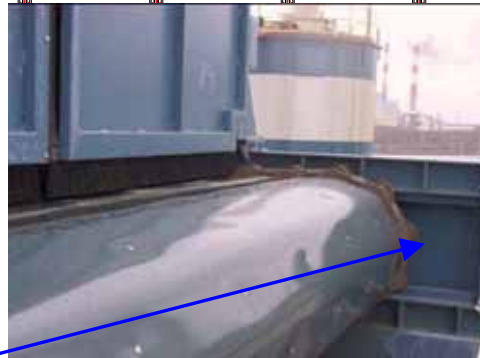
Tightening station of back conveyor



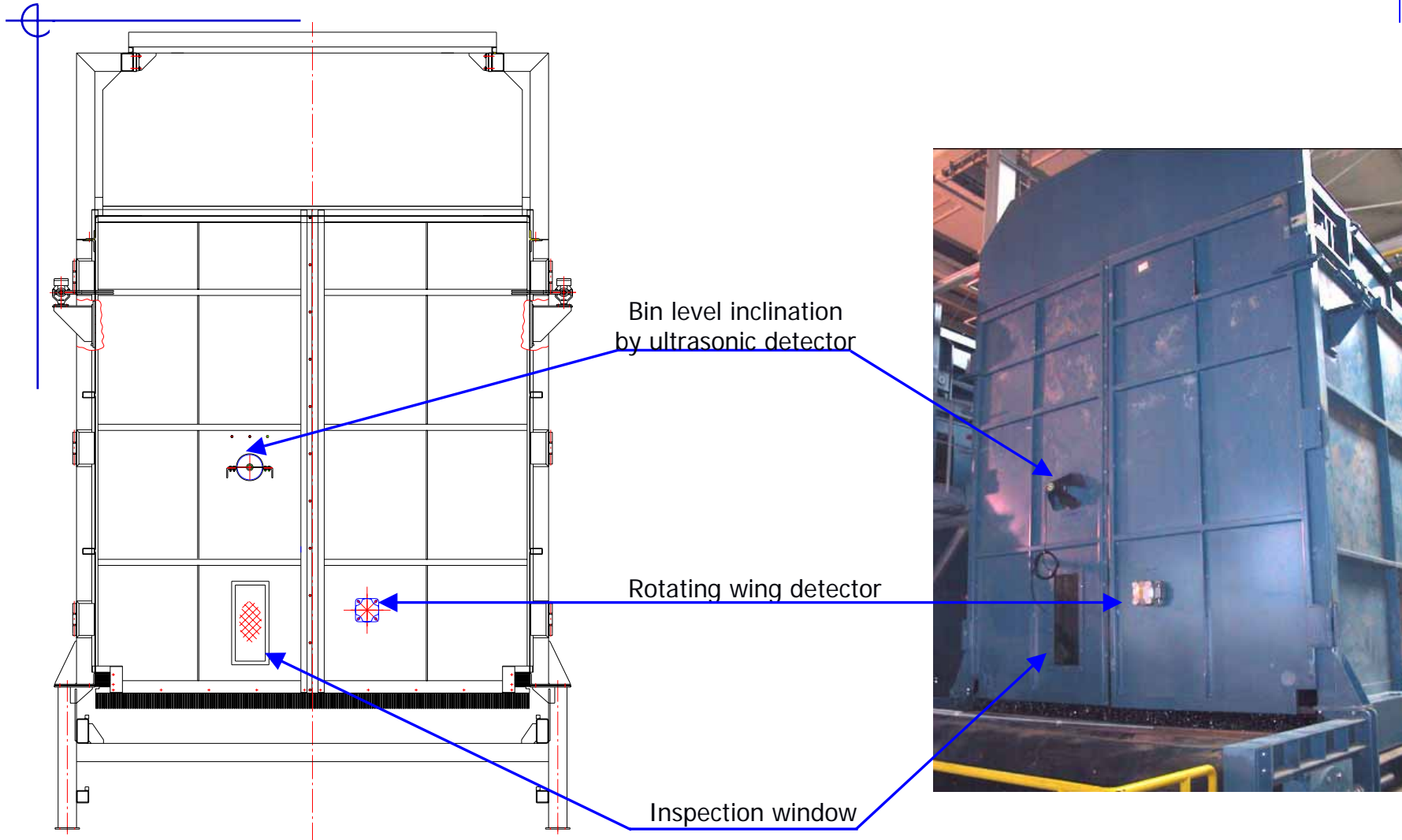
Return station



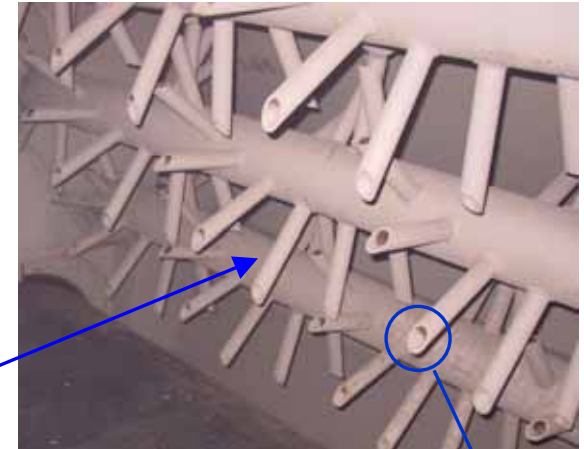
Tightening station of bottom bed conveyor



Metering bins – Rear wall



Metering bins – Interior room



Picker rolls with special powdered operation surface



Cleaning brush (view from the bottom)

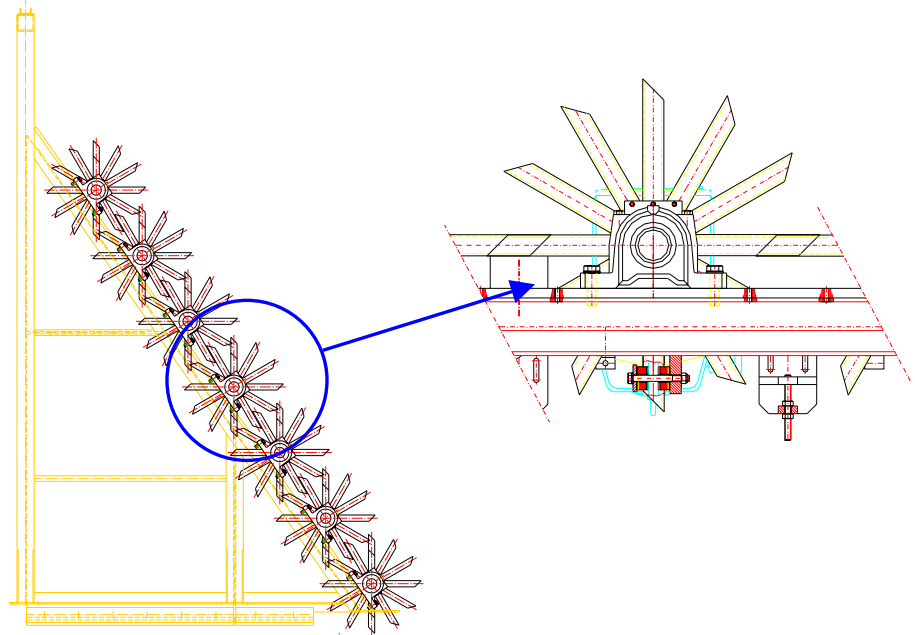
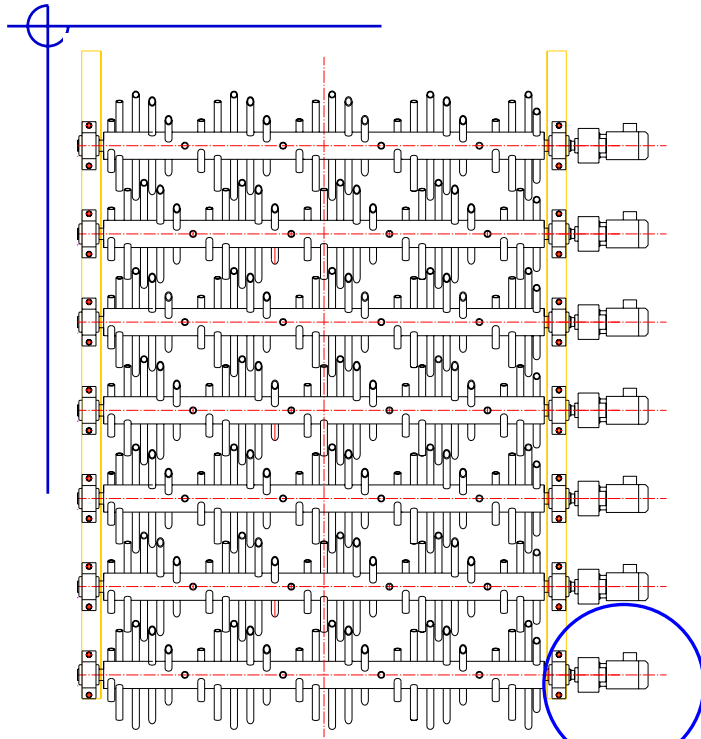


Bottom bed conveyor

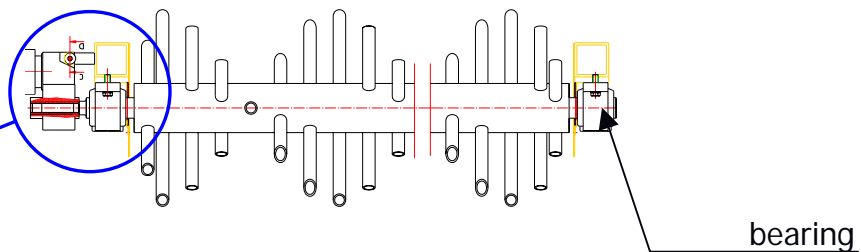


Outlet with cleaning devices

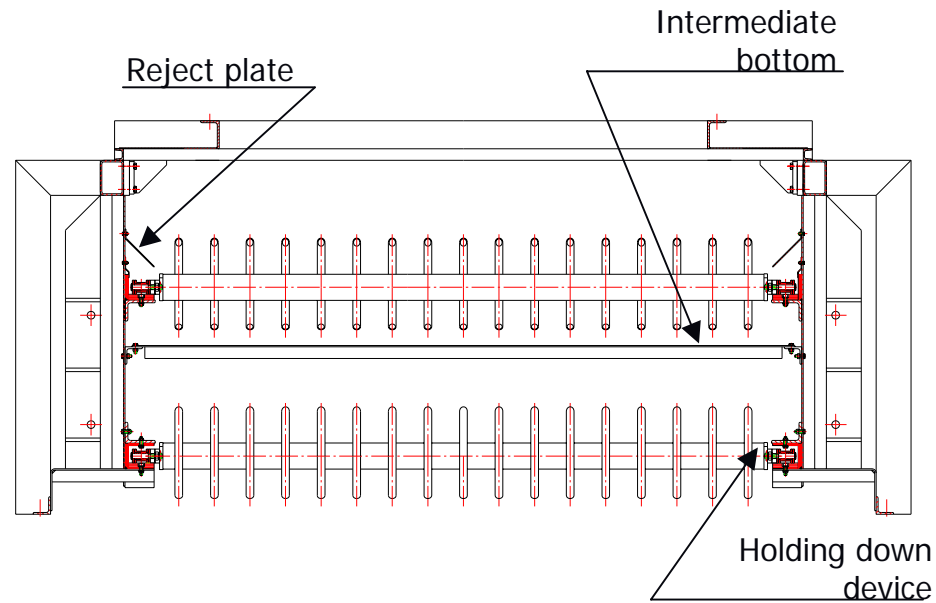
Metering bins – Picker rolls



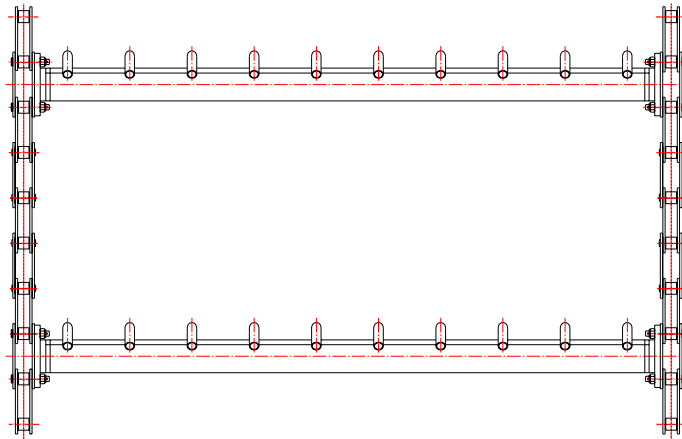
Individual drive of the picker rolls



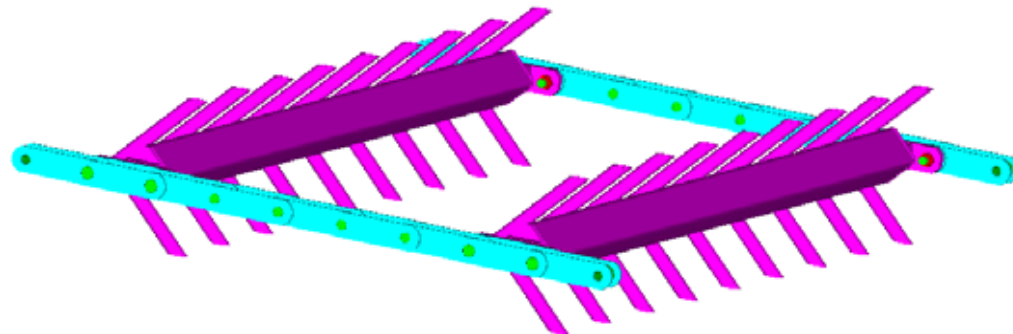
Metering bins – Frame of picker rolls



Metering bins – Frame of rake back conveyors

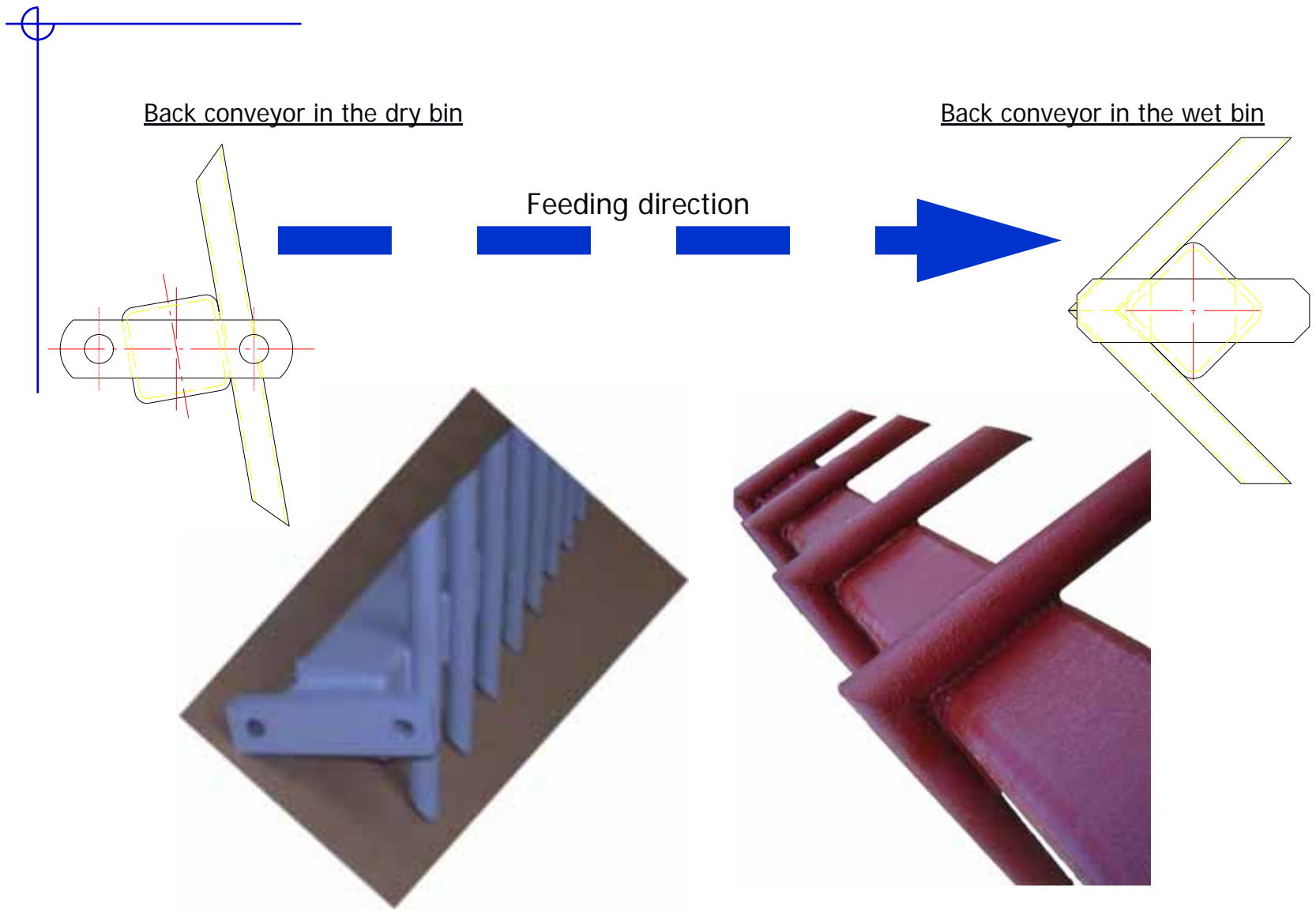


Rake conveyor in the dry bin

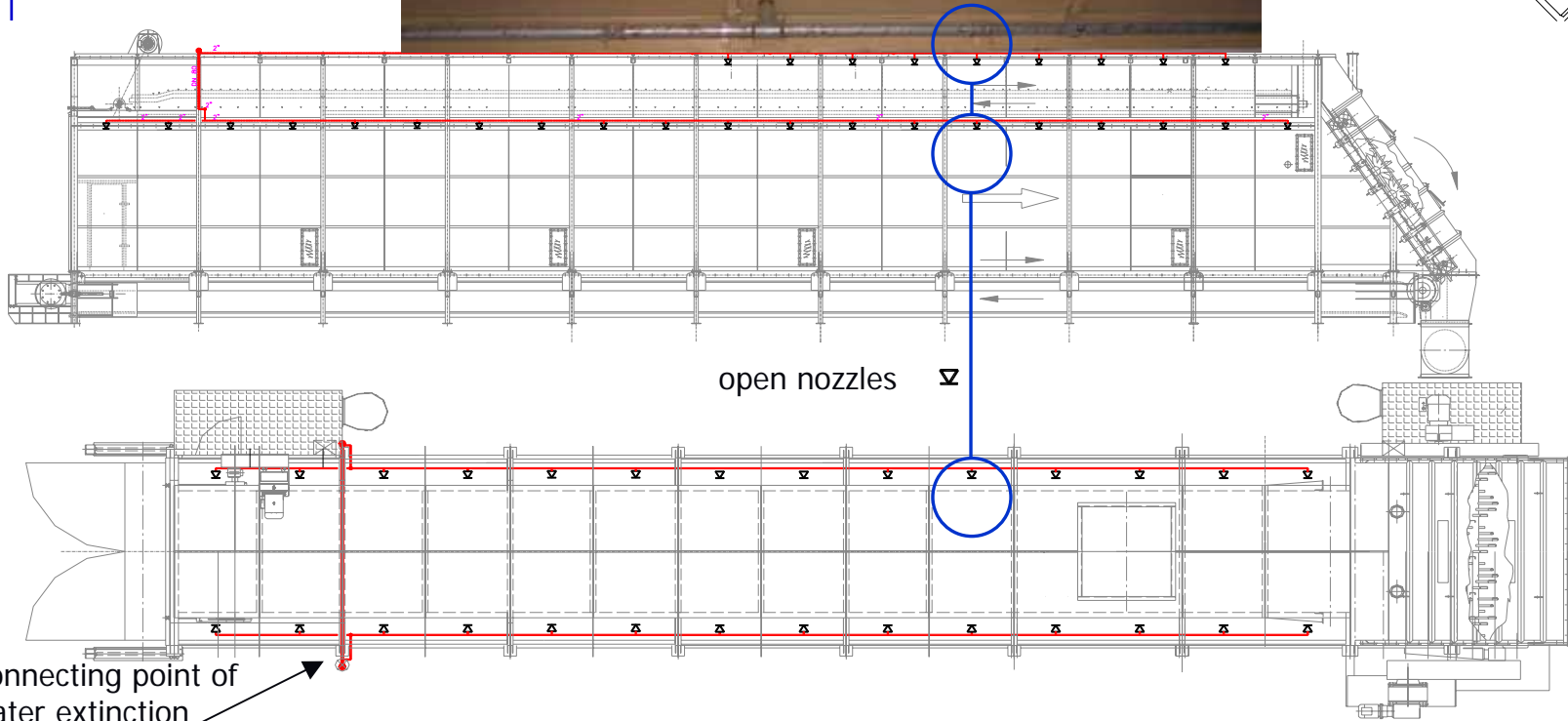
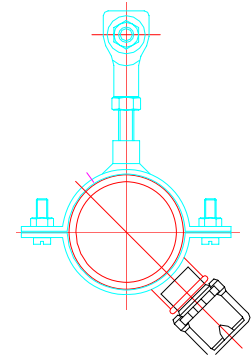


Rake conveyor in the wet bin

Metering bins – Different rake backs



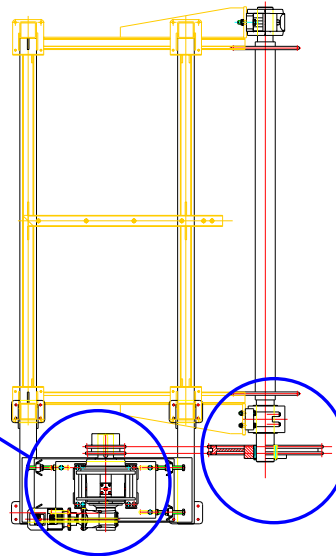
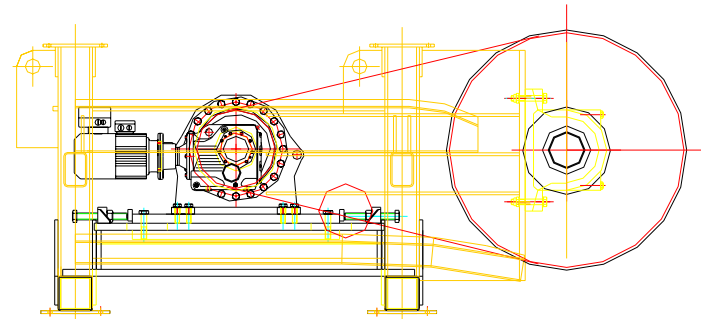
Metering bins – Optional extinction facility (especially in the dry bin)



open nozzles

Connecting point of water extinction

Metering bins – Driving of the bottom bed conveyor



Metering bins – Interior room with material



Metering bins – Modell



Metering bins – Your advantages

- More than **500 m³ bin volume**
- **Fixed return station of the back conveyors** for always same proportions in the bin
- Metering the material out safe and at a **uniform consistence rate**
- **Extra wide rakes** ensures to create a uniform cross section of the material
- **Special powder procedure** increases lifetime of the picker rolls
- Type of rake in according to the feeding material ensures a long lifetime of the rakes as well as a **careful handling of the material**
- Discharge with a **high volumetric accuracy**

Metering bins – Your advantages

- **Careful dealing with the strands** as a result of continuing contact with our clients and practical experiences for many years
- Chain with roller running on plastic strips. **Only rolling abrasion**
- **Huge conveying volume** in the back conveyor
- **Low maintenance costs** because of easy exchange of wear parts
- **Retightening of the chain** increases lifetime
- **Reversible bottom bed conveyor** (for emergency discharge)
- **No scissor-effect** through installation of intermediate bottom especially in the wet bin

Contact

Maschinen- und Anlagenbau GmbH

Ph.: +49 (6 71) 7 07-0

Sandweg 2 – 6

P.O. Box 16 61

Fax: +49 (6 71) 7 07-67

E-Mail: info@hombak.de

D-55543 Bad Kreuznach

D-55506 Bad Kreuznach

Homepage: www.hombak.de