

# Long-Stroke Screening Machine

## JEL Freischwinger



### ► JEL Freischwinger Double Decker

Thanks to its exact and gentle operation and the high specific throughput rate, the JEL Freischwinger is used for a broad field of applications. The grain spectrum of the long-stroke screening machine ranges from 40 µm to 20 mm.

### ► Operation

The screening process is continuous. The machine operates dust free and with low noise levels. The flywheel drive ensures horizontal movement of the sieve, based on the principle of exact mass balancing. The separation of bulk solids is done from coarse to fine. Depending on the product, the machine can be designed for a vibration amplitude of 15 to 60 mm. The adjustable sieve inclination from 1 to 3° allows for the adjustment to individual product and screening requirements.\*

### ► Machine equipment

The JEL Freischwinger has a modular structure.

### ► Areas of application

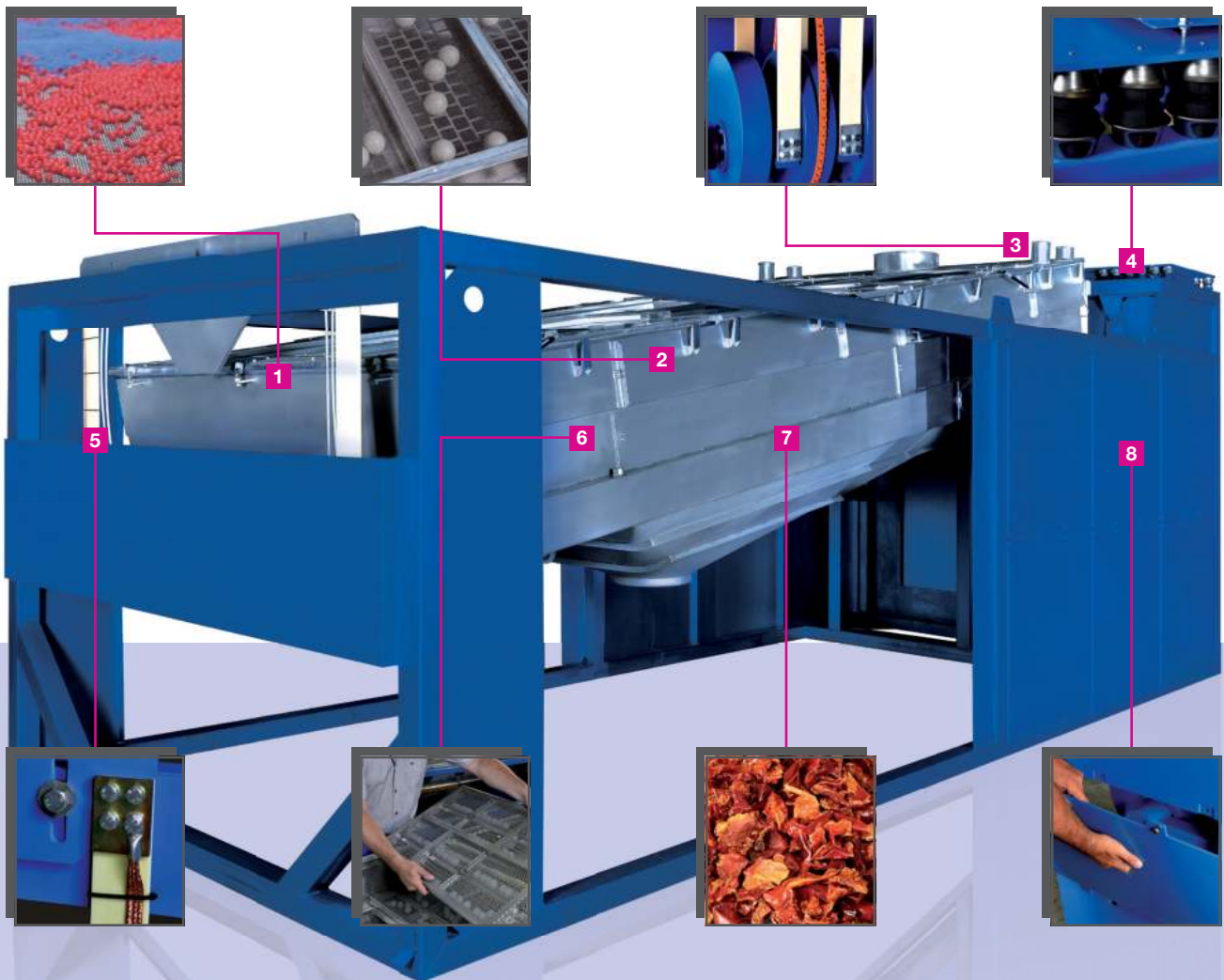
Chemicals	Plastics	Pharmaceuticals	Foodstuffs	Similar industries
●	●	○	●	●

### ► Bulk solids

Grainy	Powdery	Finely powdered	Fatty	Granular
●	●	●	●	●

### ► Screening applications

Protective screening	Grading	Coarse/Oversize grain screening	Fine screening	Deagglomerating
●	●	●	●	○



- 1** High level of selectivity
- 2** Various screen cleaning systems
- 3** Low energy consumption
- 4** Low dynamic loads
- 5** Adjustable screen inclination
- 6** Easy sieve replacement
- 7** Exact and gentle screening
- 8** Easy maintenance

\* (angle of inclination from 0 to 8° available upon request)

LONG-STROKE SIEVE | JEL Freischwinger Double Decker

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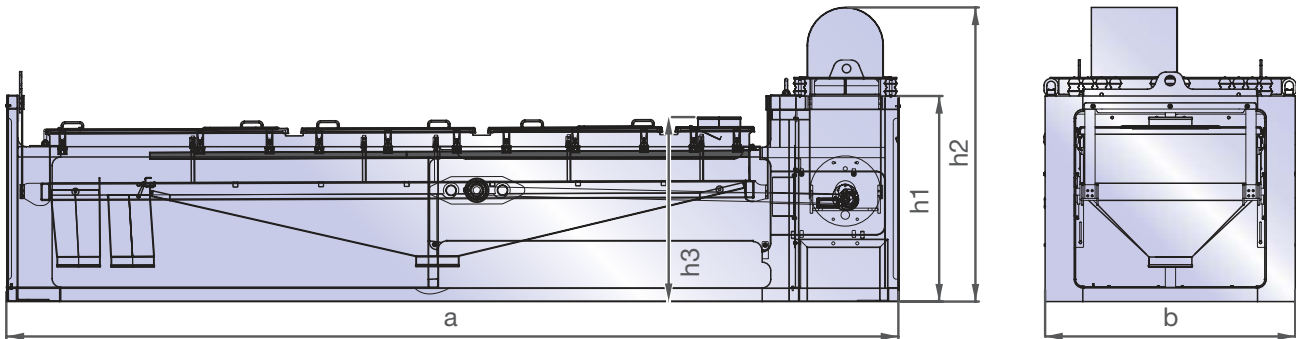
### ► Design

- Stainless steel material (product contacting parts)
- Available as a single decker\*
- Possible speed adjustment
- Gas-proof design
- ATEX design
- Various screen cleaning systems (rubber balls, triangles and ultrasound)

### ► Technical details

## Convincing facts

- ✓ Exact and gentle screening
- ✓ High level of selectivity during classification (up to 99%)
- ✓ Easy and quick sieve replacement (8 minutes in the case of a 4 m<sup>2</sup> screening surface)
- ✓ Low-noise operation (75-78 dB(A))
- ✓ Very low dynamic forces
- ✓ Low energy consumption (e.g. 1.5 kW for a 8 m<sup>2</sup> screening surface)
- ✓ Short downtimes due to quick cleaning



LONG-STROKE SIEVE | JEL Freischwinger  
Double Decker

Width	Model	Fractions	Screening surface (m <sup>2</sup> )	No. of sieve inserts	Dimensions of sieve inserts (mm)	Inlet/outlet diameter (mm)	Electric motor (kW)	Length a (mm)	Width b (mm)	Height h1 (mm)	Height h2 (mm)	Height h3 (mm)	Weight (kg)
A	FWDo.A.48	3 - 4	0.48	4	250 x 500	100 - 250	0.55	2500	800	850	-	850	320
	FWDo.A.72	3 - 5	0.72	6	250 x 500	100 - 250	0.75	3000	800	880	-	880	430
B	FWDo.B.150	3 - 5	1.50	6	500 x 500	100 - 300	0.75	3000	1000	1250	1250	1100	780
	FWDo.B.200	3 - 6	2.00	8	500 x 500	100 - 300	0.75	3500	1100	1350	1850	1350	850
	FWDo.B.250	3 - 7	2.50	10	500 x 500	100 - 300	0.75	4000	1100	1350	1850	1350	980
	FWDo.B.300	3 - 8	3.00	12	500 x 500	100 - 300	1.50	4500	1100	1350	1850	1350	1100
C	FWDo.C.300	3 - 6	3.00	8	750 x 500	150 - 350	1.50	3500	1350	1350	1750	1200	1500
	FWDo.C.450	3 - 8	4.50	12	750 x 500	150 - 350	1.50	4500	1350	1350	1750	1200	1800
D	FWDo.D.400	3 - 6	4.00	8	1000 x 500	150 - 500	2.20	3700	1600	1250	1850	1150	2100
	FWDo.D.500	3 - 7	5.00	10	1000 x 500	150 - 500	2.20	4200	1600	1350	1950	1200	2250
	FWDo.D.600	3 - 8	6.00	12	1000 x 500	150 - 500	4.00	4700	1600	1350	1950	1200	2400
	FWDo.D.700	3 - 9	7.00	14	1000 x 500	150 - 500	4.00	5200	1600	1350	1950	1200	2550
	FWDo.D.800	3 - 10	8.00	16	1000 x 500	150 - 500	4.00	5700	1600	1350	1950	1200	2750
	FWDo.D.900	3 - 11	9.00	18	1000 x 500	150 - 500	4.00	6200	1600	1350	1950	1200	2950
E	FWDo.D.1000	3 - 12	10.00	20	1000 x 500	150 - 500	4.00	6700	1600	1350	1950	1200	3100
	FWDo.E.1200	3 - 10	12.00	16	1500 x 500	200 - 600	4.00	6000	2350	1500	2100	1350	4800
F	FWDo.E.1500	3 - 12	15.00	20	1500 x 500	200 - 600	5.50	7000	2350	1500	2100	1350	5800
	FWDo.F.1600	3 - 10	16.00	16	2000 x 500	200 - 700	11.00	6200	2850	1600	2200	1400	6500
	FWDo.F.2000	3 - 11	20.00	20	2000 x 500	200 - 700	11.00	7200	2850	1600	2200	1400	8200
	FWDo.F.2400	3 - 12	24.00	24	2000 x 500	200 - 700	11.00	8200	2850	1600	2200	1400	9000

### ► Your contact person

You have questions or need a non-binding quotation? Our experts are happy to help you!

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\* (see fact sheet JEL Freischwinger single decker)