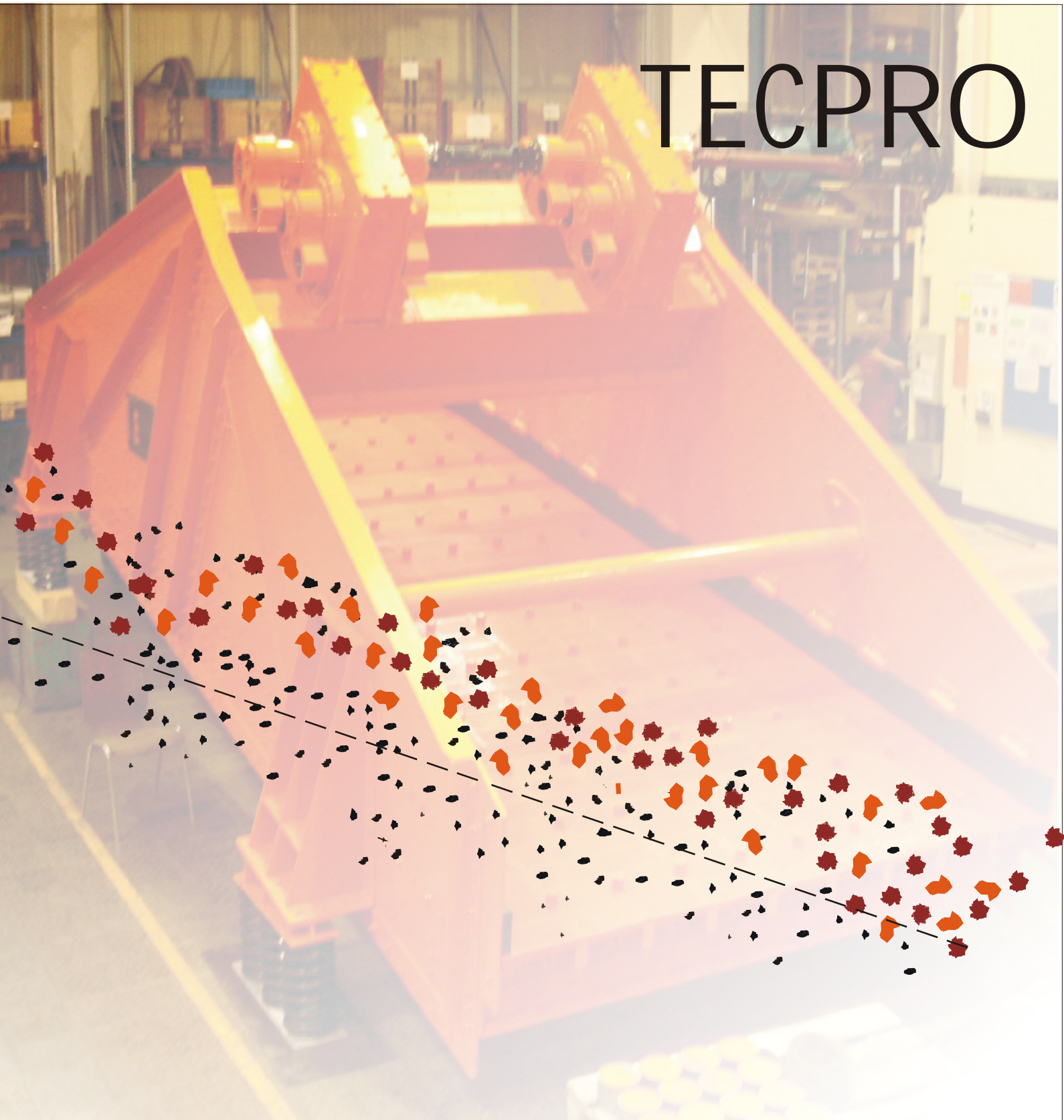


TECPRO



VIBRATING SCREENS

In technical collaboration with
PEYTEO
ASCHAUER & PEYFUSS
MATERIAL HANDLING OEG
ENGINEERING • PRODUCTION • TRADING
AUSTRIA

PRODUCT DIVISION, TECPRO SYSTEMS LIMITED

CIRCULAR MOTION SCREENS

Type: VSC

Technical Data:

The Circular Motion Screens are bolted single or multi deck structure with a substantial and rigid design. The screen body consists of the two side plates with bolted transverse supports and screen mounts. The screen box is based on an open design.

Drive:

The shaft with its eccentric weights runs in heavy duty self-aligning roller bearings. The throw of the vibrating screen is varied by adjusting the eccentric weights. The drive is either direct or through cordon shaft and v-belts.

Support

The vibrating screen is supported above the substructure by means of helical coil compression springs. The screen installation angle can be varied to suit the application.

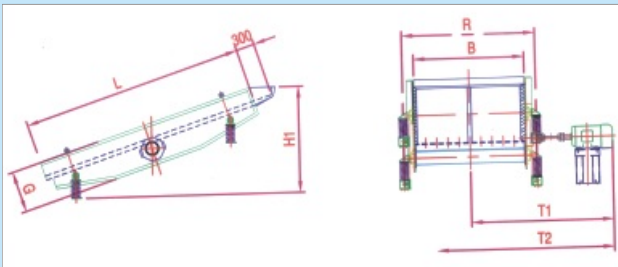
Lubrication

There are several options for lubrication, oil or grease, which can be used without modification. Selected bearing seals ensure a long service life.

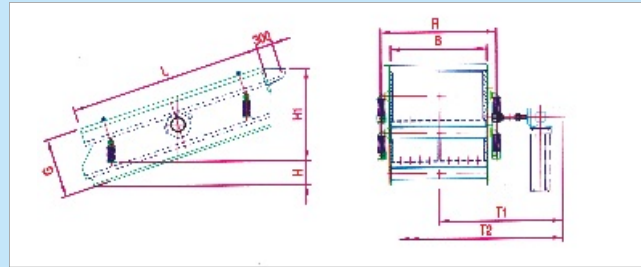
Applications:

With single or multiple screen decks

- ▶ Sand and Gravel, building materials
- ▶ Minerals, Ores, Pellets, Sinter
- ▶ Coal, Coke, Pet Coke, Lignite, Limestone, Dolomite
- ▶ Chemical Products, Fertilizers



SINGLE DECK



DOUBLE DECK

Single Deck Circular Motion Screens

W x L	Screen Area (m ²)	G	H1	R	T1	T2	Weight (kg)
1000 x 3000	3.00	1000	1700	1650	1550	1875	1300
1200 x 3000	3.60	1000	1750	1700	1600	1900	1750
1200 x 4000	4.80	1000	1825	1750	1670	1950	1875
1500 x 3000	4.50	1000	1850	1900	1745	2000	2400
1500 x 4000	6.00	1000	1850	2000	1800	2100	3200
1600 x 4000	6.40	1000	1855	2100	1845	2110	3550
1600 x 5000	8.00	1100	2100	2100	1845	2115	4000
1800 x 5000	9.00	1100	2100	2100	1845	2115	4500
2000 x 5000	10.00	1100	2100	2500	2045	2310	5000
2000 x 6000	12.00	1300	2395	2500	2115	2450	6000
2200 x 6000	13.20	1300	2395	2700	2215	2550	6850
2400 x 6000	14.40	1300	2395	3000	2365	2700	7500

Double Deck Circular Motion Screens

W x L	Screen Area m ²)	G	H	H1	R	T1	T2	Weight (kg)
1200 x 2500	6.00	1100	450	1700	1750	1600	1855	2100
1200 x 3000	7.20	1300	485	1800	1755	1670	1935	2500
1200 x 4000	9.60	1350	485	1855	1755	1670	1935	3000
1500 x 3000	9.00	1350	485	1900	1765	1685	1980	3400
1500 x 4000	12.00	1350	495	1900	2100	1845	2110	3800
1600 x 4000	12.80	1350	495	1955	2100	1845	2110	4200
1600 x 5000	16.00	1500	655	2100	2100	1915	2250	4800
1800 x 4000	14.40	1400	555	1970	2300	2015	2350	5000
1800 x 5000	18.00	1500	655	2100	2300	2015	2350	5500
1800 x 6000	21.60	1600	800	2395	2300	2045	2415	6000
2000 x 6000	24.00	1600	800	2395	2500	2115	2450	8300
2200 x 6000	26.40	1600	770	2240	2700	2255	2705	9000
2400 x 6000	28.80	1600	800	2395	3000	2405	2855	10000

LINEAR MOTION SCREENS

Type: VSL

Technical Data:

The Linear Motion Screens are bolted single or multi deck structure with a substantial and rigid design. The screen body consists of the two side plates with bolted transverse supports and screen mounts. The screen box is based on an open design.

Drive:

The drive is through direct force exciter and carbon shaft. The angle of throw is determined by the construction and application but usually 35 to 60 degree. The counterweights can be adjusted in stages from 50 to 100 % for variation of amplitude.

Support:

The vibrating screen is supported above the substructure by means of helical coil compression springs. The screen installation angle can be varied to suit the application.

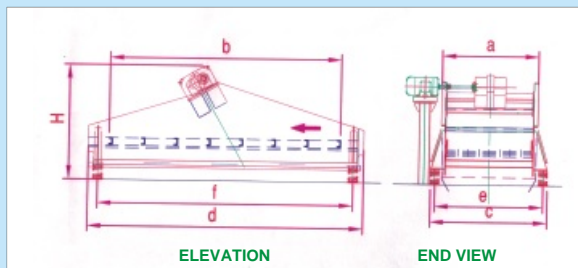
Lubrication:

There are several options for lubrication, oil or grease, which can be used without modification. Selected bearing seals ensure a long service life.

Applications

With single or multiple screen decks

- ▶ Sand and Gravel, building materials
- ▶ Minerals, Ores, Pellets, Sinter
- ▶ Coal, Coke, Pet Coke, Lignite, Limestone, Dolomite
- ▶ Chemical Products, Fertilizers
- ▶ Compost, Refuse, Refuse Slags



LINEAR MOTION SCREENS

W x L	Screen Area (M2)	a	b	c	d	e	f	h	Weight (kg)
1200 x 4000	4.80	1200	3800	1900	4400	1650	2850	1600	5000
1500 x 4800	7.20	1500	4750	2200	5550	1950	3600	1700	5800
1600 x 5500	8.80	1600	5700	2400	6500	2150	4750	1700	6500
1800 x 5000	9.00	1800	4750	2600	5550	2350	3800	1700	7500
1800 x 6000	10.80	1800	5700	2600	6500	2350	4750	1800	8000
2000 x 5000	10.00	2000	4750	2800	5550	2550	2850	1800	8200
2000 x 6000	12.00	2000	6000	2800	6500	2550	4750	1800	9100
2400 x 6000	14.40	2400	5700	3200	6500	2950	4750	2000	10200
2500 x 7000	17.50	2500	6650	3200	7450	2950	5700	2100	11000
2800 x 8000	22.40	2800	8350	3600	9150	3350	7600	2500	13500
3000 x 8300	24.90	3000	8350	3600	9150	3550	7600	2600	15400
3000 x 9000	27.00	3000	9300	3600	10100	3550	8000	2700	16200

All dimensions, weights etc are approximate indications only. Other sizes on request

To enable our experienced engineering staff to recommend the installation best suited to specific applications, answers to as many of the following questions as possible will result in a prompt and accurate solution to your screening requirements

- | | |
|-----------------------------------|--|
| 1. Material to be screened | 7. Separation sizes required |
| 2. Maximum feed dimension | 8. Friability |
| 3. Approximate feed size analysis | 9. Abrasive characteristics |
| 4. Moisture content | 10. Do you intend close circuit operation? |
| 5. Stickiness | 11. Capacity desired in tons per hour |
| 6. Bulk Density | |

OUR OTHER PRODUCTS AT A GLANCE

- Single Roll Crushers, Double Roll Crushers, (Smooth & Toothed), Reversible Impact Mill, Impact Hammer Crushers, Roller Screen, Ball Mills in technical collaboration with **M/s. FAM Magdeburger Förderanlagen und Baumaschinen GmbH, Germany.**
- Aggregate Crushing and Screening plants, Cone Crushers, Vertical Shaft Impactors (Zenturbo), Jaw Crushers, in technical collaboration with **M/s. MASCHINENFABRIK LIEZEN UND GIESSEREI Ges.m.b.H., Austria.**
- Pipe conveyors with **M/s. Koch Transporttechnik GmbH, Germany.**
- Flip-flow Screens in technical collaboration with **M/s. Hein, Lehmann Trenn- Und Fördertechnik, GmbH, Germany.**
- Turnkey Projects - Fuel and Ash handling systems for Coal, Biomass, Bagasse based power plants, Raw Material handling system for steel, cement, paper, industry etc.



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