



Ingwenya Mineral Tech Pvt. Ltd.

Mineral Upgradation Specialists



IMT - Vibratory screens and feeders

IMT Vibratory Screens and Vibratory Feeders are well established in Indian Mineral & Coal beneficiation plants serving the industries for over a decade since establishing in 2008. While screening systems are available in India for ages, **IMT** has created a niche market for itself by adopting high efficient unbalanced vibratory designs for even larger size screens. This is achieved by coupling the vibratory motors for generating higher centrifugal force.

The old technology screens use the eccentric shaft design to provide the required amplitude and further improved technology, especially for the larger and heavier screens were Exciter drives. However these designs have an inherent deficiency of oil submerged lubrication and any failure of oil seals will result in bearings failure.

The screening and feeder range includes Grizzly feeders, Tube feeders, Pan feeders, Single & Double deck screens.



Plot No.34, 3rd Phase 4th Main, Peenya Industrial Area, Bangalore 560 058, India

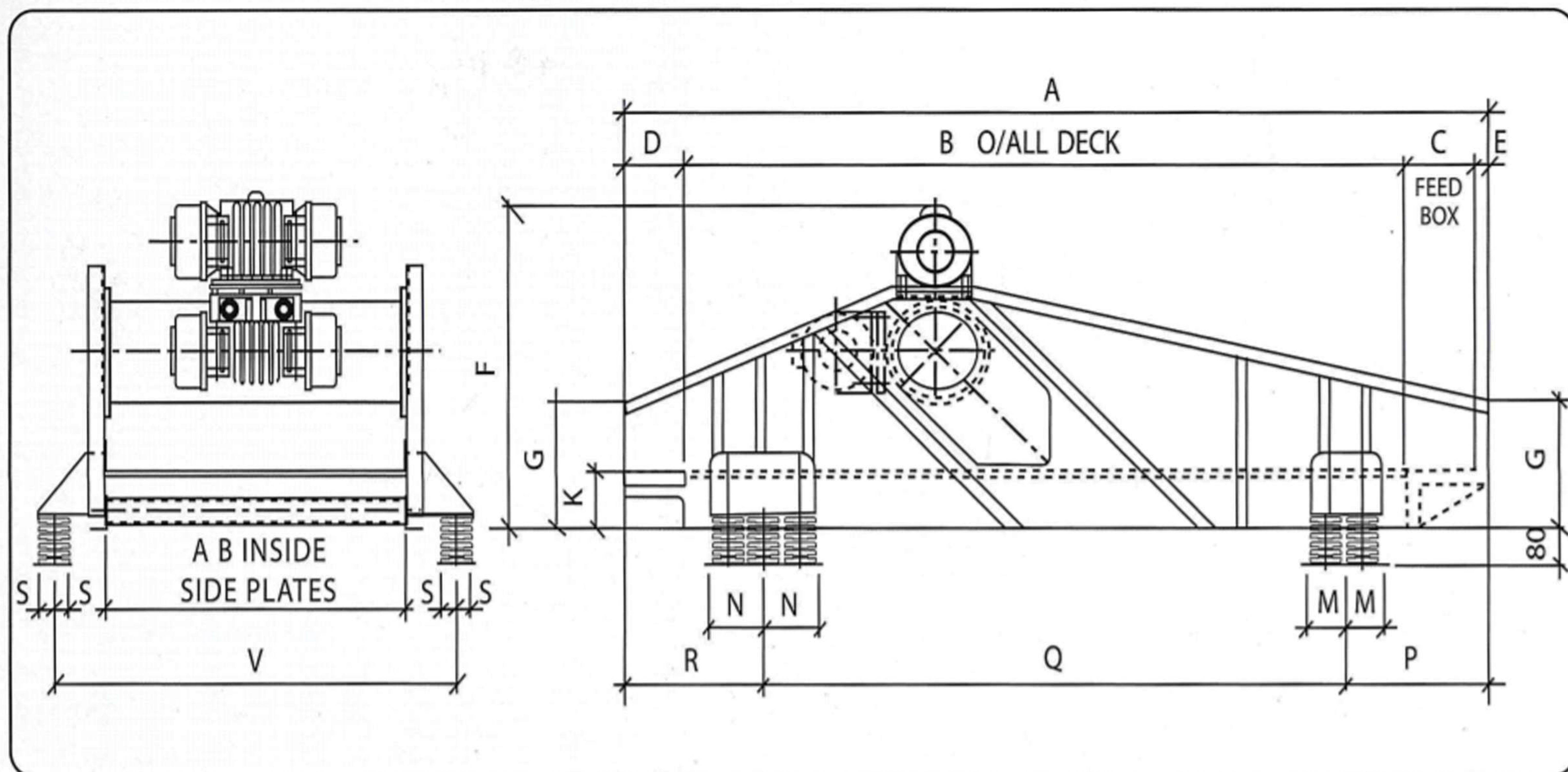
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Single Deck Horizontal Straight Line Motion Screens



Single Deck Horizontal Straight Line Motion Screens

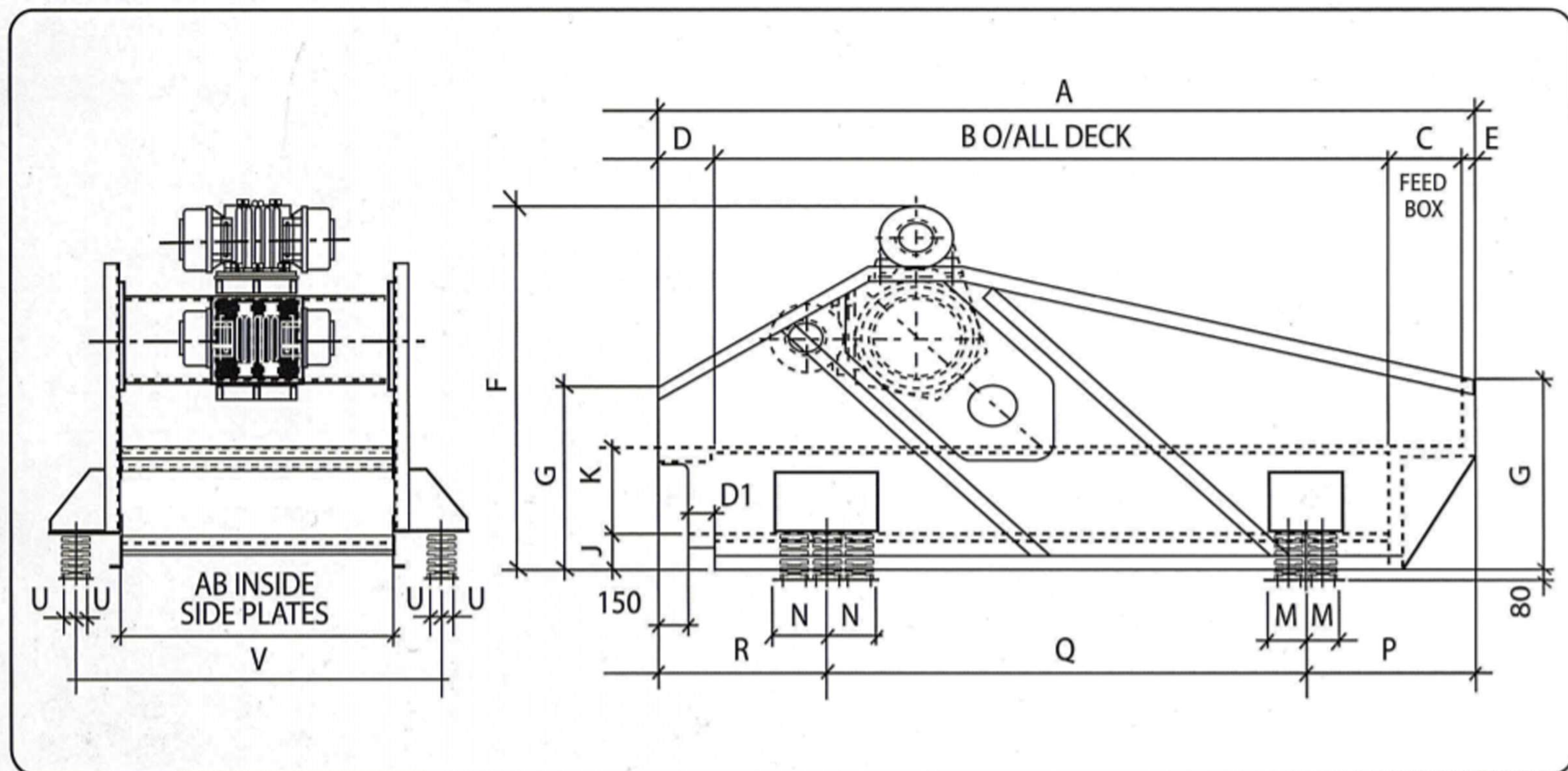
Screen Size	Power	A	B	AB	C	D	E	F	G	K	M	N	P	Q	R	S	V	Mass
610x1830	2x1.4	2395	1830	610	305	200	60	1250	520	200	140	220	461	1381	553	80	998	690
610x2440	2x1.75	3003	2438	610	305	200	60	1320	520	200	140	220	738	1665	600	80	1040	900
610x3050	2x1.75	3613	3048	610	305	200	60	1430	600	200	140	220	763	2050	800	80	1070	1150
610x3660	2x2.4	4222	3657	610	305	200	60	1496	600	200	140	235	763	2659	800	100	1100	1400
915x1830	2x1.75	2395	1830	915	305	200	60	1250	520	200	140	220	461	1381	553	80	1304	1250
915x2440	2x2.7	3003	2438	915	305	200	60	1350	520	200	140	220	738	1665	600	80	1340	1600
915x3050	2x2.7	3613	3048	915	305	200	60	1496	600	200	220	305	763	2050	800	80	1410	1750
915x3660	2x3.3	4222	3657	915	305	200	60	1496	600	200	220	305	763	2659	800	100	1410	2000
915x4880	2x4	5442	4877	915	305	200	60	2160	1000	200	220	305	972	3570	900	80	1410	2500
1220x2440	2x4	3023	2438	1220	305	200	80	1416	520	200	140	220	758	1665	600	80	1710	2000
1220x3050	2x4	3633	3048	1220	305	200	80	1496	600	200	220	305	783	2050	800	80	1710	2200
1220x3660	2x4	4242	3657	1220	305	200	80	1836	600	200	220	305	783	2659	800	80	1720	2500
1220x4270	2x5.3	4852	4267	1220	305	200	80	2060	900	200	220	305	852	3200	800	80	1720	2800
1220x4880	2x5.3	5462	4877	1220	305	200	80	2160	1000	200	220	305	992	3570	900	80	1720	3100
1525x3050	2x5.3	3653	3048	1524	305	200	100	1701	625	305	220	305	538	2500	615	80	2020	3000
1525x3660	2x7.6	4262	3657	1524	305	200	100	1836	600	305	220	305	803	2659	800	80	2020	3400
1525x4270	2x7.6	4872	4267	1524	305	200	100	2060	900	305	220	305	872	3200	800	80	2020	3800
1525x4880	2x8	5482	4877	1524	305	200	100	2370	1000	305	305	390	1012	3570	900	80	2020	4200
1830x3660	2x8	4262	3657	1829	305	200	100	1836	600	305	220	305	803	2659	800	80	2320	4000
1830x4270	2x8	4872	4267	1829	305	200	100	2060	900	305	220	305	872	3200	800	80	2320	4400
1830x4880	2x10.2	5482	4877	1829	305	200	100	2370	1000	305	305	390	1012	3570	900	80	2320	4700
1830x6100	2x10.2	6806	6096	1829	305	305	100	2526	1300	391	405	495	1041	4850	915	100	2390	5600
2140x6100	4x7.6	6856	6096	2134	305	305	150	2706	1300	391	405	495	1091	4850	915	100	2700	6100
2440x4880	4x7.6	5637	4877	2438	305	305	150	2226	1000	391	235	330	1062	3660	915	100	2980	6600
2400x6100	4x9.8	6856	6096	2438	305	305	150	2706	1300	391	405	495	1091	4850	915	100	3000	9500

The above information is indicative and contains general dimensions, masses and powers.





Double Deck Horizontal Straight Line Motion Screens



Double Deck Horizontal Straight Line Motion Screens

Screen Size	Power	A	B	AB	C	D	D1	E	F	G	J	K	M	N	P	Q	R	U	V	Mass
610x2440	2x1.75	3153	2438	610	305	350	200	60	1688	1000	200	450	140	220	738	1665	750	80	988	1200
610x3050	2x2.4	3903	3048	610	305	350	200	60	1728	1000	200	450	220	305	903	2050	950	80	988	1650
915x2440	2x3.3	3293	2438	915	305	350	200	60	1828	1000	200	450	220	305	878	1665	750	80	1292	2200
915x3050	2x4	3903	3048	915	305	350	200	60	1828	1000	200	450	220	305	903	2050	950	80	1324	2500
915x3660	2x5.3	4512	3657	915	305	350	200	60	2156	1000	200	450	220	305	902	2660	950	80	1410	3000
915x4880	2x7.6	5732	4877	915	305	350	200	60	2216	1000	200	450	310	395	1107	3650	975	80	1410	3800
1220x2440	2x4.5	3293	2438	1220	305	350	200	60	2106	1000	200	450	140	220	878	1665	750	80	1720	2750
1220x3050	2x4.5	3903	3048	1220	305	350	200	60	2106	1000	200	450	220	310	903	2050	950	80	1720	3100
1220x3660	2x7.6	4512	3657	1220	305	350	200	60	2216	1000	200	450	220	305	902	2660	950	80	1720	3500
1220x4270	2x7.6	5122	4267	1220	305	350	200	60	2216	1000	200	450	310	395	967	3200	955	80	1720	4000
1220x4880	2x8	5732	4877	1220	305	350	200	60	2316	1000	220	305	220	305	1107	3650	975	80	1720	4300
1525x3050	2x8	3903	3048	1524	305	350	200	80	2491	1275	305	650	230	320	903	2050	950	80	2020	4350
1525x3660	2x9.8	4512	3657	1524	305	350	200	80	2531	1275	305	650	310	395	902	2660	950	80	2020	4880
1525x4270	2x9.8	5122	4267	1524	305	350	200	80	2591	1275	305	650	230	320	947	3200	975	80	2020	5600
1525x4880	2x10.2	5732	4877	1524	305	350	200	80	2541	1275	305	650	390	475	1087	3650	995	80	2020	6000
1830x3660	2x9.8	4512	3657	1829	305	350	200	80	2795	1275	305	650	310	395	902	2660	950	80	2320	5600
1830x4270	2x10.2	5122	4267	1829	305	350	200	80	2845	1275	305	650	390	475	947	3200	975	80	2320	6300
1830x4880	2x12.5	5732	4877	1829	305	350	200	80	2845	1275	305	650	390	475	1087	3650	995	80	2320	7000
1830x6100	4x9.8	6951	6096	1829	305	350	200	80	2916	1300	305	650	330	425	1111	4845	995	100	2390	9000
2140x6100	4x10.2	6951	6096	2134	305	350	200	108	3360	1500	390	790	330	425	1111	4845	995	100	2700	11900
2440x4880	4x12.5	5732	4877	2438	305	350	200	108	3116	1500	390	790	330	425	1087	3650	995	100	2980	13000
2440x6100	4x13.8	6951	6096	2438	305	350	200	108	3360	1500	390	790	330	425	1111	4845	995	100	3000	14500

The above information is indicative and contains general dimensions, masses and powers.

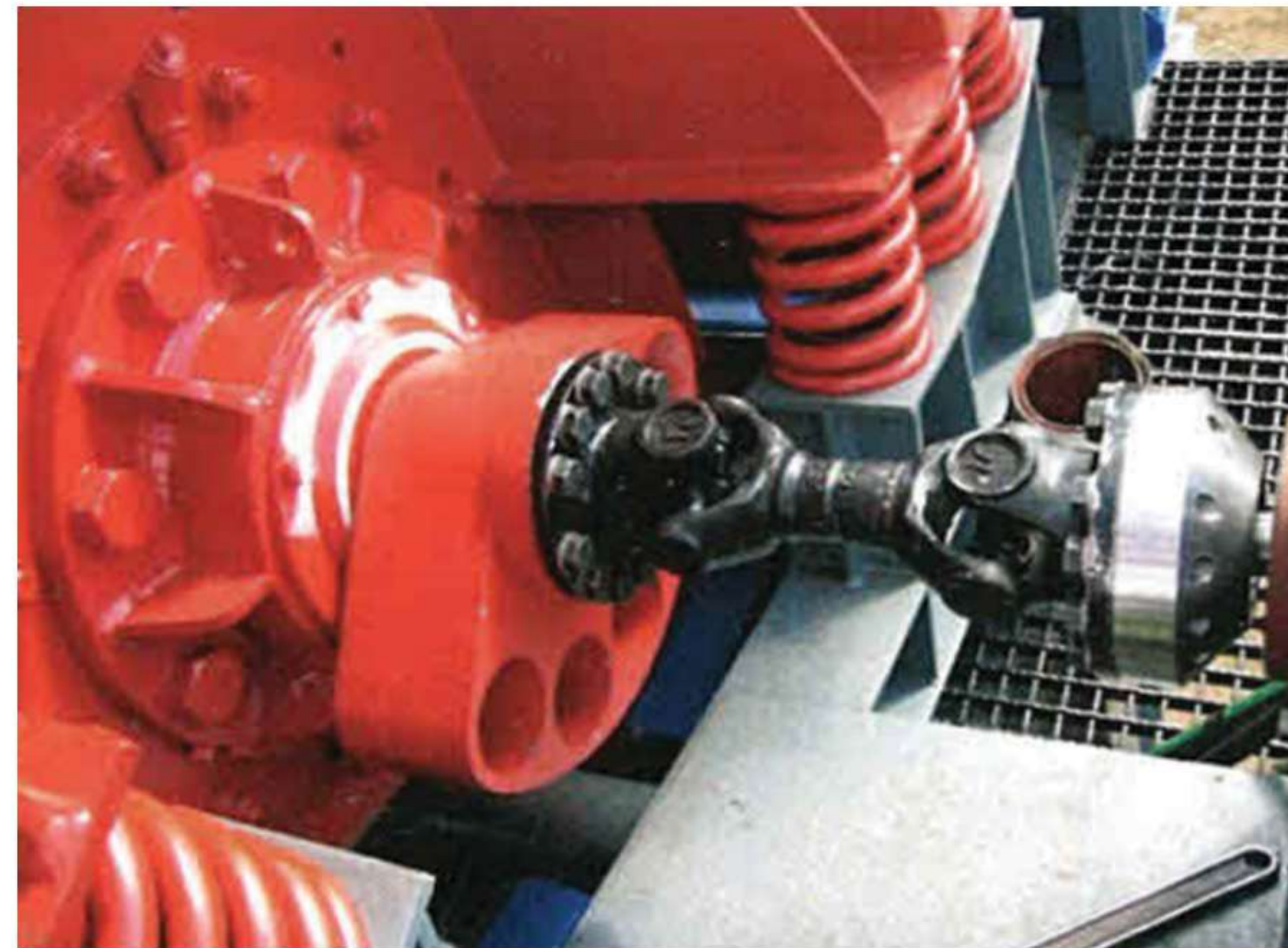
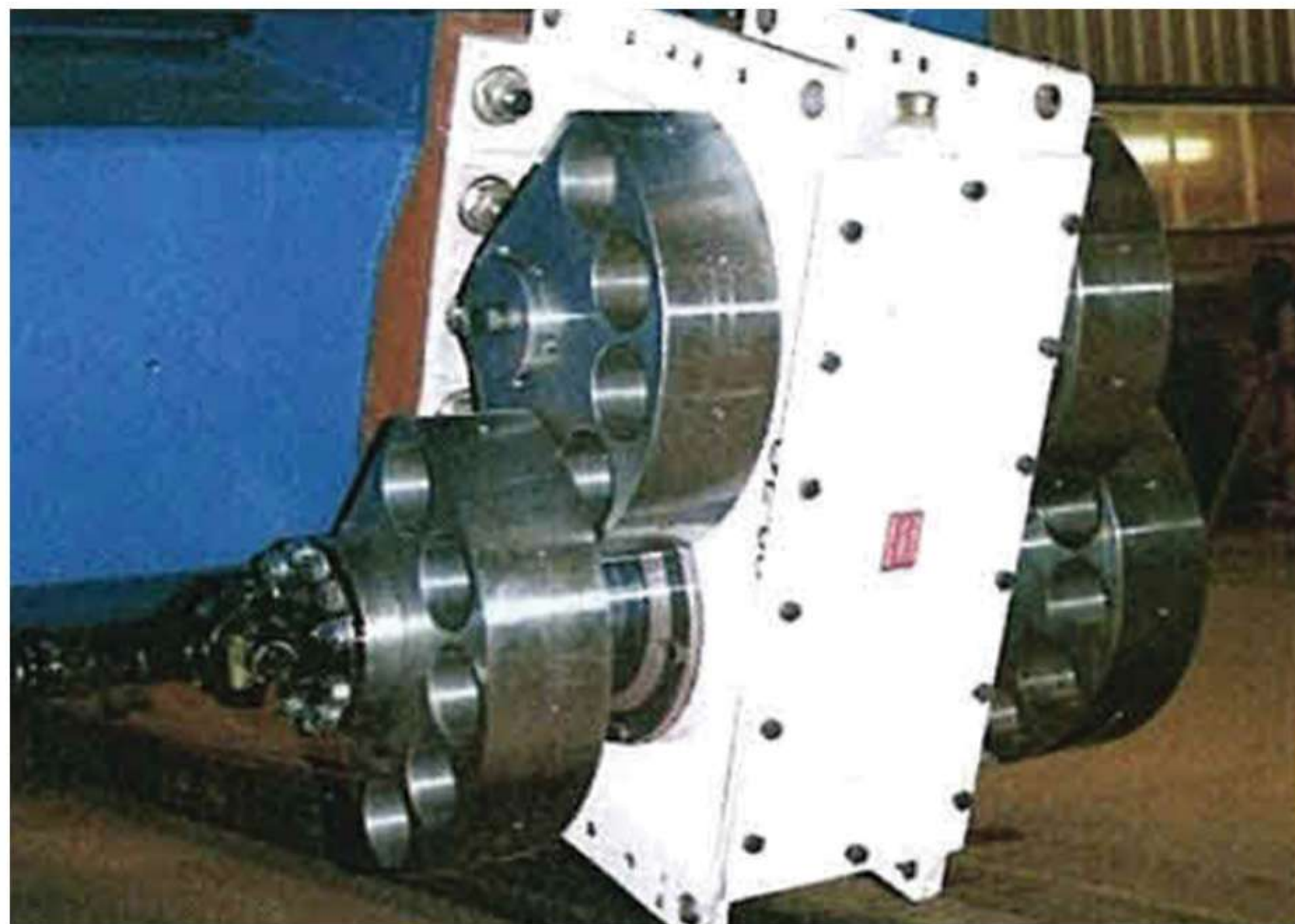




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IMT offers exciter driven screens for high capacity dry screening applications where the screens are of circular motion and forward inclined mounted.



IMT adopts twin unbalanced vibratory motors design for the linear motion screens for efficiencies as high as **90 -95%** and applications includes, classification, sizing and de watering.

IMT Hi Frequency screens are particularly popular in Coal fines recovery and Ball mill sizing applications. The critical point for Hi Frequency screens is very low amplitude (**1.8 to 2.0 mm**) with **G force of minimum 4.5 to 5.0.**

IMT Screens - Power Packed with features & value added services

-  Reliable Italian Vibratory Motors
-  High 'G' Force Capability
-  Simple Amplitude Adjustments
-  Adjustable Screen Slope
-  Multiple Deck Configurations
-  Comprehensive Deck Configurations
-  Low Operation Costs
-  Noise Reduction
-  Vibration Analysis
-  Vibration Monitoring
-  F.E.A. Analysis
-  Modal Analysis



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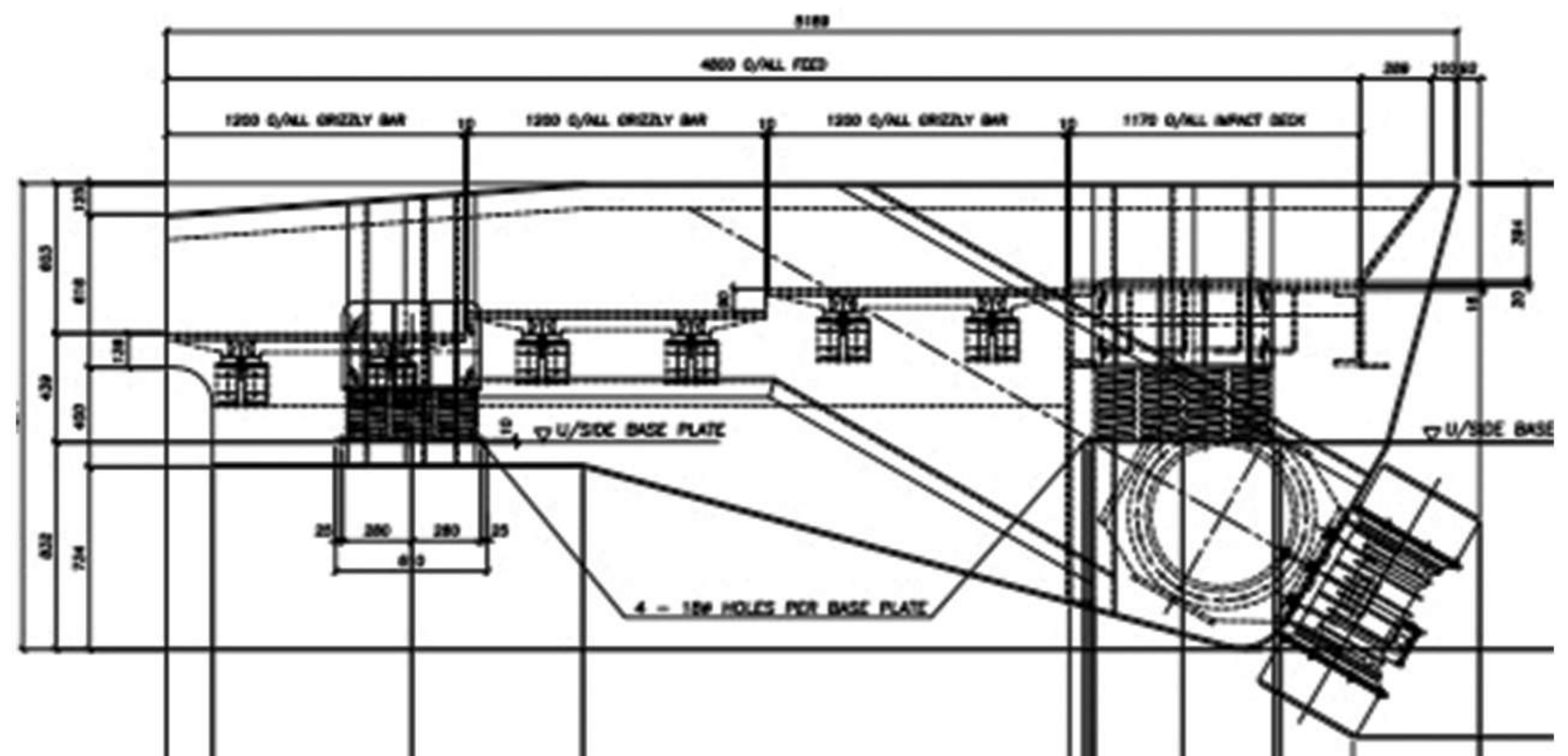
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IMT - Vibratory Feeders

IMT offers feeding systems for coal & mineral sectors with Grizzly Feeders, Pan Feeders & Tube Feeders.

Pan Feeder Table

Feeder Size	Width	Length	Height	Pan Height	Weight
300X1000	300	1000	620	150	500
300X1200	300	1200	620	150	500
300X1500	300	1500	710	150	500
300X1000	350	1000	620	150	550
350X1200	350	1200	710	150	550
350X1500	350	1500	710	150	550
500X1000	500	1000	620	150	700
500X1200	500	1200	620	150	700
500X1500	500	1500	710	150	700
600X1000	600	1000	620	250	800
600X1200	600	1200	620	250	800
600X1500	600	1500	850	250	800
750X1500	750	1500	850	250	950
750X2000	750	2000	850	250	950
900X1500	900	1500	850	250	1100
900X2000	900	2000	850	250	1100
900X2500	900	2500	1000	250	1100
1000X1500	1000	1500	1000	350	1200
1000X2000	1000	2000	1000	350	1200
1000X2500	1000	2500	1000	350	1200
1000X3000	1000	3000	1200	350	1200
1000X4000	1000	4000	1250	350	1200
1200X2500	1200	2500	1200	350	1400
1200X3000	1200	3000	1250	350	1400
1200X4000	1200	4000	1250	350	1400
1500X2500	1500	2500	1200	350	1600
1500X3000	1500	3000	1250	350	1600
1500X4000	1500	4000	1250	350	1600
2000X2500	2000	2500	1200	350	1800
2000X3000	2000	3000	1250	350	1800
2000X4000	2000	4000	1250	350	1800





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