

Screens with circular oscillation KDT

SCREENING



Screen KDT1630/3Fe

Screens are suitable for dry and wet screening processes, for different kinds of material screened and they are used for the secondary and final screening with the mesh size 1+80 mm. The screen is equipped with an armored hopper and discharging hoppers (with some alternatives discharging hoppers are not required), sealing rubber hem.

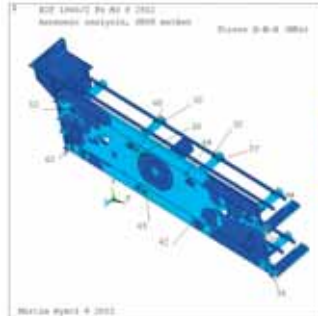
In some cases heavier alternatives of screens are required – marked **KDTT** and with big units (area length 7 m and more) there is a two-drive alternative – marked **KDT2N**

Amplitude 2a = 5÷12 mm: tensioned screens

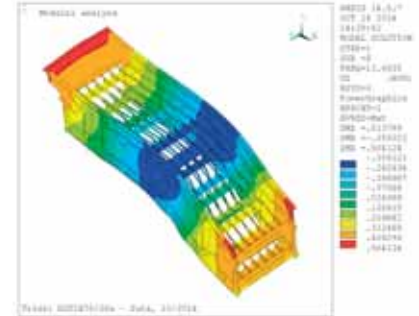
Mark	Area			Max. inlet grain size	Screening limits	Max. capacity	Installed power input
Type	Width	Length	No.				
-	mm	mm	-	mm	mm	t/h	kW
KDT1640	1600	4000	2-4	200	2+100	160-230	7,5-18,5
KDT1650	1600	5000	2-4	200	2+100	210-280	11-18,5
KDT2050	2000	5000	2-4	220	2+130	340-450	15-22
KDT2060	2000	6000	3-4	220	2+130	390-550	22-30
KDT2460	2400	6000	2-3	250	2+150	505-670	22-30
KDT2470	2400	7000	2-3	250	2+150	580-770	30
KDT2N2470	2400	7000	3	250	2+150	540-770	2 x 22-30



Manufacture of the screen KDT 2460/3Fe



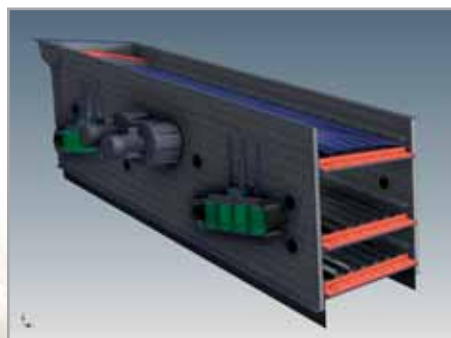
Stress analysis of screens KDT by the finite element method



Stress analysis of screens KDT by the modal frequency method



Semi-mobile steel structure with the screen KDT1650/4Fe – slag screening



Two-drive screen KDT2N2470/3Fe



Screen KDT2470/2Fe – golden ore screening

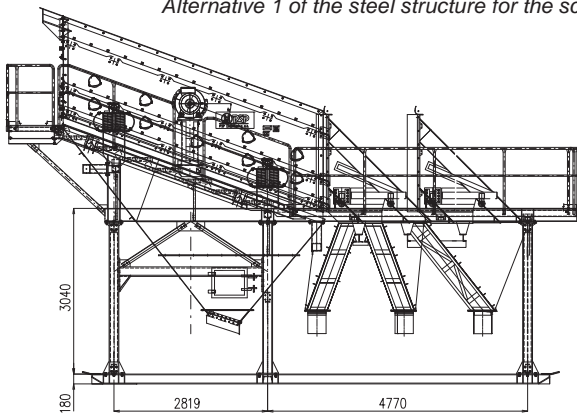
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Screens are manufactured with 2 to 4 screen decks; with transversal tensioning of screens by the A- falc system (Fe and PU screens) and in a modular design for PU, DUO and rubber screens WS85 and Clip-Teck. Screens work at the frequency oscillation $f = 12,5$ and $16,7$ Hz. Oscillation amplitudes $a = 3$ mm (for PU screens); $a = 4+6$ mm (for Fe screens).

Screens are designed in width $W = (1.6+2.4)$ m and length $L = (4+7)$ m and with accessories on request:

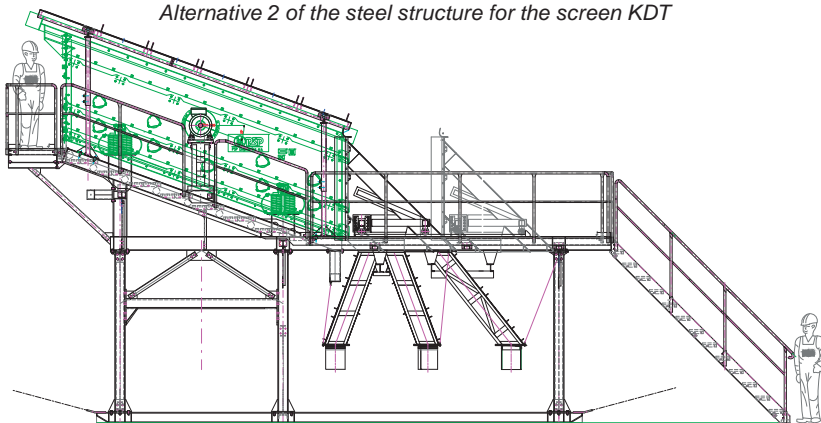
1. Stationary dust covers
2. Stationary washing/showering
3. Semi-mobile steel structures incl. walkways, traveling discharging chutes, stairways, bases under the el. motor of the drive and discharging chutes of single fractions. There are two alternatives of steel structures see fig.
 - a) Old rigid structure
 - b) Modern optimized new structure

Alternative 1 of the steel structure for the screen KDT



Semi-mobile steel structure for the screen KDT

Alternative 2 of the steel structure for the screen KDT



Semi-mobile steel structure for the screen KDT with the lower chute

SCREENING



Screen KDT1650/3Fe



Screen KDT1650/3Fe



Screen KDT1650/3Fe – mined gravel screening