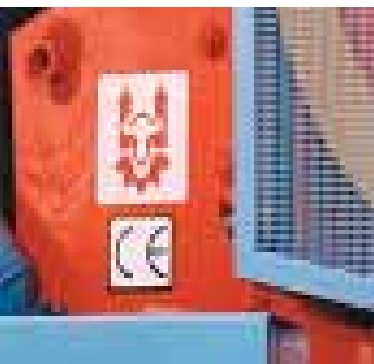




VIBRATING SCREENS KDT

- high operating reliability
- low costs for operation and maintenance
- simple attendance and maintenance





Vibrating screens KDT

SCREENING



Vibrating screen KDT 1650/3 – gravel sand screening



Vibrating screen KDT 2050/3 – gravel sand screening



Vibrating screen KDT 1650/3 – deck with PU screens

Vibrating screens KDT are used for screening of non-sticking grained materials in wet and dry technology. They are excellent for final screening of materials with unfavorable shape values with a tendency to clog. In some cases the KDT screens are preferred for their lower weight and smaller dimensions over larger heavy resonant screens RT. They achieve higher outputs and allow sorting to more fractions. Vibrating screens KDT are used for screening of inlet grains to 3 – 5 fractions. The screening unit on skids can be placed on a concrete base, panels or stiffened bed with an appropriate loading capacity. The unit does not have to be anchored.

The screening units are equipped with a control system and optional block of direct-current braking. The direct-current braking permits significant acceleration during transitioning through the critical area eliminating unfavorable resonant effects during start-up and run-out. The deck, bottom discharging hopper, chutes, platforms and stairs are dismantled and transported separately.

The exceptional operating properties of vibrating screens KDT are:

- High operating reliability
- High capacity
- Low cost for operating
- Negligible maintenance
- Easy exchange of wear parts
- Simple attendance

Basic characteristics of screens KDT:

- Screening deck arrangements are supplied in 2, 2.5, 3, 3.5 and 4 decks. The 2.5-deck or 3.5-deck screens are excellent for screening to 4 – 5 fractions. The total weight and height is lower than with the 3-deck or 4-deck screen. This arrangement requires less built-up space and the charging height is lower as well as the screen price.
- Decks are fixed by means of tension bars in the housing and consist of several parts for easy assembly (linear module is 1m). The deck tensioning is transversal. Special metal or non-metal decks can be used in place of the common steel screens and perforated plates.
- Screen housings are screwed, the hopper is screwed on the inlet to protect the inlet of the upper deck against wear and to distribute material on the entire width of the deck.
- Inspection holes and manholes in the lateral walls of the housing are used for positioning of the spraying grates for wet screening, monitoring the decks and easy access for replacement of worn screens. Optional, plastic blinds attached with specially made springs are supplied to cover the holes.
- Screens are seated on pivoting flexible supports allowing the change of the screen inclination according to the capacity requirements of the material processed. The screens are equipped with vibration limiters for start-up and run-out. Upon request we supply also electrical braking.
- Screens of 1300 – 2400 mm wide are powered by unbalanced block exciters seated on flexible couplings positioned in the center of gravity of the screen. The final vibrating movement is approximately circular.

Principal parameters

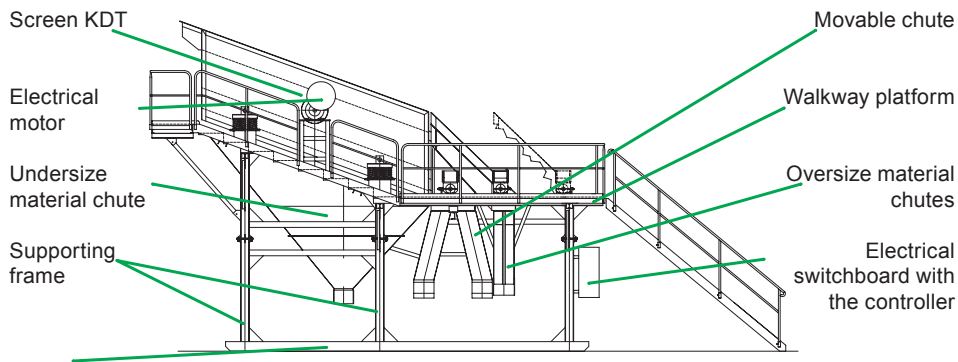
Type	Width x length of the deck	No. of decks	Entrance	Screening boundaries	Max. capacity	Power input
	mm	pcs	mm	mm	t/h	kw
KDT 1340	1300x4000	2 – 4	200	2 – 150	180	7.5 – 11
KDT 1640	1600x4000				225	11 – 15
KDT 1650	1600x5000				280	11 – 15
KDT 2050	2000x5000				350	15 – 18.5
KDT 2060	2000x6000	2 – 3			420	15 – 18.5
KDT 2460	2400x6000				505	18 – 22
KDT 2470	2400x7000				580	22 – 30

Screen inclination 15 – 20°
 Oscillation amplitude 3 – 5 mm
 Oscillation frequency 12 – 16 Hz
 Stated capacities are only informative and depend on the properties and composition of the material and mesh size.

Vibrating screens KDT



Semimobile unit with the vibrating screen KDT



SCREENING



Vibrating screen KDT 2050/2 – granite screening



Vibrating screen KDT 1650/3 – gravel sand screening



Vibrating screen KDT 1650/3 – gravel sand screening



Vibrating screen KDT 1650/4 – when manufactured



Vibrating screen KDT 2050/2 – andesite screening



Vibrating screen KDT 2050/2 – granite screening





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