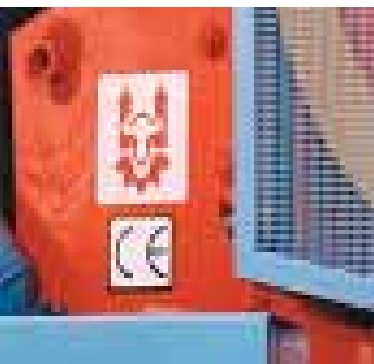


## VIBRATING SCREENS EDT-N AND EDT-2N

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





# Vibrating screens EDT-N and EDT-2N

## SCREENING



Vibrating screen EDT-2N 1030/2 – limestone screening



Vibrating screen EDT-N 2050/3 – spilite screening



Vibrating screen EDN-2N 2050/2 – felspar screening



Vibrating screen EDN-N 2050/3 – gravel screening



Vibrating screen EDN-2N 2050/2 – andesite screening

Vibrating screens EDT-N and EDT-2N are used for final screening of non-sticking grained materials into 2 or 4 fractions. Separators can be equipped with a block of direct-current braking of electric motors to reduce oscillation during run down after a separator cut-off.

The direct-current braking permits accelerated transitioning through the critical area thereby eliminates unfavorable resonant effects during start-up and run-out. The screens are supplied independently or as semimobile units.

The exceptional operating properties of vibrating screens EDT-N and EDT-2N are:

- High operating reliability
- Low cost for operating and maintenance
- High capacity
- Easy exchange of spare parts
- Simple attendance and maintenance
- Low building height
- Horizontal arrangement of EDT-2N

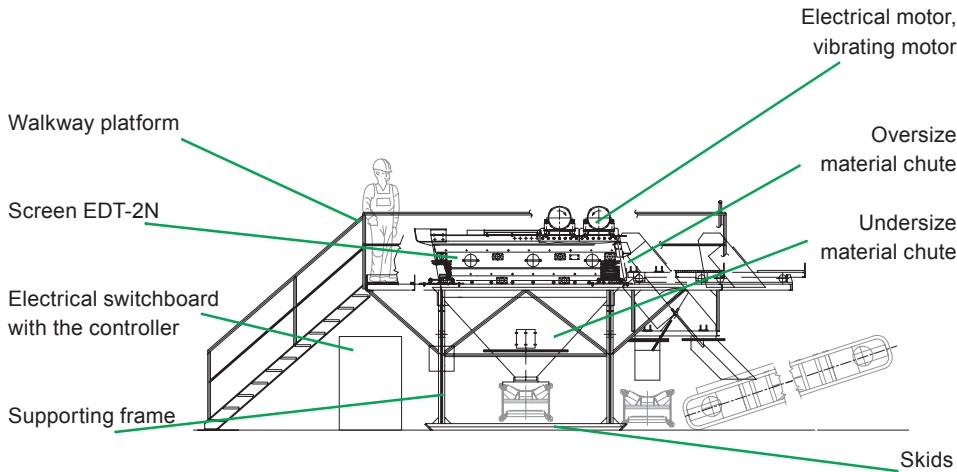
Basic characteristics of screens EDT-N with non-directed and EDT-2N with directed elliptic vibrations:

- Screens EDT-N and EDT-2N replace the existing screens SVT and VVT.
- Screens EDT-N and EDT-2N incorporate the advantages of circular and straight vibrating movements. They are used for final screening of non-sticking grained materials – dry or sprayed.
- Screens EDT-N and EDT-2N minimize operating cost as elements and spare parts are unified.
- Horizontally arranged, it reduces space requirements.
- Adjustable angle of projection and shape of elliptic vibrations.
- Screen housings are screwed to the inlet to protect the inlet of the upper deck against wear from the discharged hopper.
- Variable deck arrangement of 1, 2 or 3 decks.
- Decks are mounted by means of tension bars in the housing and consist of several parts (linear module is 1 m). Special metal or non-metal decks can be used in place of common steel screens and perforated plates.
- Inspection holes and manholes in the lateral walls of the housing serve for positioning of spraying grates for wet screening, monitoring the decks and easy access for replacement of worn screens. These holes can be blinded.
- Screens are seated on flexible supports for adjustment of the screen inclination according to capacity requirements of the screened material. The screens are equipped with vibration limiters for start-up and run-out. Upon request we also supply electric braking.
- Screens of a width of 500 – 1000 mm: The vibrating movement is powered by an electrical vibrating motor seated on flexible couplings.
- 1200 – 1400 mm wide screens 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 elliptical.

# Vibrating screens EDT-N and EDT-2N



Semimobile unit with the vibrating screen EDT-2N



## SCREENING



Vibrating screen EDT-2N 2050/2 – feldspar screening

### 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
EDT-N 0510	500x1000	2	100	2 – 63	15	1.1
EDT-N 0820	800x2000	1 – 3			40	1.5 – 2.5
EDT-N 1020	1000x2000	2	150	2 – 63	50	2
EDT-N 1030	1000x3000	2			75	4.5
EDT-N 1230	1200x3000	2	200	2 – 150	90	4.5
EDT-N 1240	1200x4000	1 – 2			120	5.5 – 7.5
EDT-N 1630	1600x3000	1 – 3	200	2 – 150	120	4 – 7.5
EDT-N 1640	1600x4000	2			180	7.5
EDT-N 1840	1800x4000	2	200	2 – 150	180	7.5
EDT-N 2040	2000x4000	1 – 3			200	5.5 – 11
EDT-N 2050	2000x5000	2			250	11

Screen inclination 10 - 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 screen EDT-N 1640/3 – granite screening

### 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
EDT-2N 1030	1000x3000	2	150	2 – 80	75	2x4.5
EDT-2N 1240	1200x4000		120	2x7.5		
EDT-2N 1640	1600x4000	2	200	2 – 150	180	2x7.5
EDT-2N 2050	2000x5000				250	2x11
EDT-2N 2160	2100x6000				315	2x15

Screen inclination 0 - 10°

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 screen EDT-2N 2160/2



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PSP Engineering a.s. is a leading supplier of specialized products and entire processing plants for the building material and mineral processing industries. PSP Engineering has been involved in the design and construction of cement plants, lime works, quarry and crushing plants, as well as gravel and sand pits for more than 50 years.

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