

Vibrating Screens with Brush-impeller Drive SW50, 60, 70

Application / Features

Improvement res. realization of sieving performance in separation of solid fractions in suspensions, dispersions and solids-mixtures, in particular for the sieving of 2-dimensional particles like ductile metal flakes:

- classification
- gross-screening after milling operations
- screen-units with quick-change replacement for wet-, dry- and vacuum-screening
- use of simple wire gauze circular blanks by shelf-grip-system
- easy restorable brush-sets and adjustable brush-position
- brush-impeller converter driven
- standard-flange-ports for dust-free screening in dry operation
- capsule-lid with connection-port for rotary-vane-feeder, dust-free

Technical data

vibrating screen	SW50v-VA-Tx
electrical control unit screen	E-1FU-SW
brush-impeller drive	BUS50b
screening surface	1960cm ²
diameter of screen surface	500mm
drive power SW50	0.16kW
drive power BUS50	0,09kW
electrical supply	400V, 3 phases
vibration frequency SW50	0–73Hz
rotational speed BUS50	0-90min ⁻¹
brush-set	type 1 (RS)



vibrating screen SW50

Experimental data, fixed

powder for sieving	Zn-flake ZN06
apparent density	2,3 kg/dm ³
sieved powder total	40kg
wire gauze	standard / stainless steel
mesh	42µm (mesh 325)

Results

Initial powder weight [g]	rest powder weight [g]	time [min]	Frequency SW50v [%]	impeller drive [rpm]	flow-rate [kg/min]
2000	30	20	80	33	6

technical data subject to alterations