

TSS14E HYBRID COMPACT



The plant with the elements described above has been configured according to the following sizing parameters:

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|-----------------------------------|--------------|
| 1. Type of material to be treated | - WASTES |
| 2. Final treatment | - Separation |

02.00 ITEM OF THE PLANT

1. Screenpod Mobile (hook lift system) Rotary Screen including Hopper with loading conveyor belt
2. Three Conveyor belts for material output, two output conveyors belt are folding for transportation
3. Electrical cabling and wiring of the line / from January 2022 orders new PLC display including



03.00 SCOPE OF SUPPLY

Rotary Screen with screening drum:

Technical features:

- Diameter: 1.450 mm
- Screening length: 4.300 mm
- Total length: 9.200 mm
- Total width: 4.200mm
- Transportation dimensions: 7300mm x 2200mm x 2650mm
- Capacity (depending on material): 20-100 m3/h
- Thickness of tracks: 20 mm
- Screening cylinder thickness: 6 mm
- Width of the track: 80 mm
- Wheels: Ø 200 x 200 mm (BLITLÉ Germany)
- Installed power: 8,5 KW
- Cylinder made of metallic structure properly shaped
- The drum rotates on 4 rubber wheels, heavy load series, on steel shafts that rotate on self-aligning supports
- Screening section with resistant holed plates: screening holes Ø 15mm (on request)
- Rotation velocity 10-17 r/1 above
- 4 poles gear motor NORD Germany
- Voltage 400V -50Hz
- Motorization on side to be defined
- start-up through frequency converter Nord
- transmission through chain drive system
- steel roller of contrasting the advancement of the drum along its inclined axis of rotation , with lubricated bearings (FAG)
- LED light including
- conveying hopper to the loading: conveying hopper to the discharge of the screened material; conveying hopper at the overflow discharge . A door is applied to the later to access inside of the drum
- hydraulic brush for the cleaning of the drum
- loading hopper with conveyor belt feeding material into the drum
- output material 3 conveyors belt , drive system by NORD DE (two external conveyors belt folding)
- Electric switchboard and frequency converter (Nord) to the control rotary screen
- Equipped with drum climatic covers (option)
- machine operation signaling included
- machine equipped with a build -in diesel generator 15kW



04.00 TECHNICAL CRITERIA FOR THE DESIGN OF MACHINES AND SYSTEM

The design of the system is done following the regulations and the decrees in force in the field:

- UNI EN ISO 12100:2010 Safety of machinery -General design principles-Risk evaluation and risk reduction:
- UNI EN 12779:2016 (Fixed extraction system for chips and dust)
- LEGISLATIVE DECREE 27 January 2010, n. 17 Fulfillment of the Directive 2006/42/EC . regarding the machineries (GU General Series n.441 of 19-02.2010 Ordinary Supplement n.36)

As an indication, not entirely exhaustive and not binding, the noise level of the machines are indicated in the offer. What is indicated in the offer reflects the Customers requests, but cannot in any way be understood or being a substitute for an Acoustic Assessment, which remains the Customers responsibility as per Directive 2003/10/EC of 6 February 2003



05.00 INCLUSIONS AND EXCLUSIONS FROM OUR SCOPE OF SUPPLY

OUR SUPPLY INCLUDES:

Basic engineering as:

- Drawing layout, necessary to build and install the plant with the instruction for civil works (structural calculations are excluded);
- Copies of instruction manual of use and maintenance with DIRECTIVE 2006/42/CE conformity certification in Polish/English language on digital format.
- Electrical switchboard with the electrical drawings.
- Electrical connection from main Screenpod switchboards to Screenpod site equipment.

OUR SUPPLY EXCLUDES:

- VAT, duties and customs' charges.
- Transport of supply equipment from our workshop to the site.
- Materials of consumption (bolts, gaskets, sealants).
- Survey of the plant.
- The assembly of the equipment done with our technical personnel.
- Staff training
- Full accommodation of laborer's. Transfer from/to the airport, hotel and site
- Necessary normal equipment (tools, ladders, scaffoldings maximum 4 m high).
- All the personnel working on site is regularly covered by legal insurance (INAIL), as well as R.C.T. and R.C.O.
- Health and Safety Plan.
- Civil works, Foundation and structural calculations.
- Low voltage power supply to the switchboards and corresponding differential breaking protection to protect the electrical switchboard.
- Interventions for check of correct installation or commissioning of electric components (inverter, probes, sensors, spark detectors, etc.) not wired by Screenpod staff.
- Thermal and acoustic insulation where not specified.
- Plant's earth linkage and equipotential bonding.
- Hydraulic and pneumatic connections and pressure regulating equipment.
- Lifting equipment to unload and assemble the equipment (crane, forklifts, ...)
- Flashings for the holes' plugging.
- Any required certifications emitted by Agencies, Laboratories, etc., referring to this plant in connection to any application request of emission in atmosphere.
- Necessary power supply to assemble the plant.

