

Screening machine


Company

House No., street
City, State, ZIP code
Country

Point of contact

Given name, family name
Department
Telephone
Fax
E-mail

☐ Ms. ☐ Mr. Title _____

Request no/reference

► Product information

Designation

- ☐ Granular
☐ Powdery

- ☐ Coarse
☐ Pulverulent

- ☐ Other _____

Bulk weight

_____ kg/dm³

Dumping angle

_____ °

Particle size/particle distribution

_____ mm

Moisture

_____ % H₂O

Viscosity

_____ (if applicable)

Temperature

_____ °C

Product characteristics

- ☐ Abrasive
☐ Caking
☐ Bridge-forming
☐ Chemically aggressive
☐ Electrostatically chargeable

- ☐ Aliphatic
☐ Hygroscopic
☐ Sticky
☐ Pourable
☐ Torrential

- ☐ Viscous
☐ Dusty
☐ Toxic
☐ Other _____

► Is there material available for testing?

Material for testing

- ☐ Yes

- ☐ No

Safety data sheet available

- ☐ Yes

- ☐ No

Screening machine



► Information about the task

Task	<input type="radio"/> De-agglomeration <input type="radio"/> Fine screening <input type="radio"/> Grading <input type="radio"/> Continuously	Screening off of coarse/ <input type="radio"/> oversized particles <input type="radio"/> Protective screening Number of groups _____ <input type="radio"/> Intermittently kg/h
Mode of operation		
Feed capacity	_____	kg/h
Desired mesh size(s)	_____ mm _____ mm _____ mm _____ mm	
Permissible proportion of oversized and undersized particles in the fine material	_____ %	
Permissible proportion of oversized and undersized particles in the bulk material	_____ %	
Design	<input type="radio"/> Dust-proof <input type="radio"/> Unpressurized	<input type="radio"/> Other _____ <input type="radio"/> Gas-proof/ pressure-proof up to _____ mbar
Operating pressure		

► Location of the screening machine

<input type="radio"/> In the regular production area	<input type="radio"/> On the hall floor	<input type="radio"/> In a clean room
<input type="radio"/> On a pedestal	<input type="radio"/> Other _____	
<input type="radio"/> in an earthquake zone	<input type="radio"/> not in an earthquake zone	

► Maximum available floor space

Length	_____	mm
Width	_____	mm
Height	_____	mm

► Estimated filling height from the top of the floor to the bottom of the out-flow

_____ mm

► What is the procedure for the product in-feed and/or what elements are there upstream and downstream?

<input type="checkbox"/> Upstream	_____ _____ _____
<input type="checkbox"/> Downstream	_____ _____ _____

Screening machine



► Parts that come into contact with the product

Raw material ☐ Stainless steel Designation: _____
☐ Mild steel Designation: _____
☐ Other Designation: _____

Surface treatment ☐ Sandblasted SA 2 ½ ☐ Pickled and passivated
☐ Glass bead blasted ☐ Polished electrolytically
☐ Polished grain ☐ Coated _____
 Max. roughness depth _____ µm ☐ Other _____

► Parts that do not come into contact with the product

Raw material ☐ Stainless steel Designation: _____
☐ Mild steel Designation: _____
☐ Other Designation: _____

Surface treatment ☐ Sandblasted SA 2 ½ ☐ Pickled and passivated
☐ Glass bead blasted ☐ Polished electrolytically
☐ Polished grain ☐ Coated _____
 Max. roughness depth _____ µm ☐ Other _____

► 1. General

In which zone will the installation be deployed?

☐ Gas, vapor or mist ☐ dust

► continue to section 2

► continue to section 3

Note:

Our machines are designed for gas and dust Ex-Zones. A process-related intermixing of zones (hybrid mixture) causes deviations from the key explosion-relevant data (e.g. minimum ignition temperature, minimum ignition energy). This must be taken into consideration in the design of the machine. Should this be the case, please contact us.

► 2. Gas, vapor or mist

ATEX zone internal (product chamber)

- ☐ 2 ☐ 1 ☐ 0 ☐ none

ATEX zone external (installation site)

- ☐ 2 ☐ 1 ☐ none

Temperature class

- ☐ T1 ($\leq 450\text{ }^{\circ}\text{C}$) ☐ T2 ($\leq 300\text{ }^{\circ}\text{C}$) ☐ T3 ($\leq 200\text{ }^{\circ}\text{C}$)
☐ T4 ($\leq 135\text{ }^{\circ}\text{C}$) ☐ T5 ($\leq 100\text{ }^{\circ}\text{C}$) ☐ T6 ($\leq 85\text{ }^{\circ}\text{C}$)

Explosion group (applicable for gases, vapors, mists)

- ☐ IIA (e.g. propane) ☐ IIB (e.g. ethylene) ☐ IIC (e.g. hydrogen)

▶ 3. Dust

ATEX zone internal (product chamber)

- ☐ 22 ☐ 21 ☐ 20 ☐ none

ATEX zone external (installation site)

- ☐ 22 ☐ 21 ☐ none

Maximum permissible surface temperature (T)

_____ °C Optional: glow temperature _____ °C
ignition temperature _____ °C

Explosion group (applies to dusts with a minimum ignition energy of > 3 mJ)

- ☐ IIIA (combustible lint and fibers) ☐ IIIB (non-conductive dust) ☐ IIIC (conductive dust)

► 4. Supplementary information regarding the drive

Motor ignition protection category (does not apply for vibration motors)

- ☐ Pressure resistant enclosure Ex d ☐ Increased safety Ex e

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► Should the screening machine be provided with a spraying unit for liquid or cleanser?

☐ Yes

☐ No

► Is design in line with GMP and in accordance with EU guidelines required?

☐ Yes

☐ No

► What guidelines have to be considered when using materials with product contact?

☐ none

☐ EU2023/2006

☐ EU1935/2004

☐ FDA

☐ EU10/2011

☐ Other _____

► Control and power supply

Operating voltage

V

Frequency

Hz

If applicable/available:

Voltage type

☐ IT network earthing system

☐ TN-S network

Control voltage

☐ Alternating voltage

☐ Direct current voltage

V

Auxiliary energy

☐ Compressed air _____ bar

☐ Nitrogen _____ bar

Type of protection

IP _____

Additional information

Screening machine



► Should the machine control or system control be offered as well?

☐ Yes

☐ No

Raw material

☐ Stainless steel

Designation:

☐ Mild steel

Designation:

☐ Other

Designation:

Comments

► **Please describe your cleaning procedure** (e.g. frequency and duration of cleaning, cleaning agents used, temperature of cleaning medium, location of cleaning, etc.)

► Notes

► Attachments

► Quotation submission by

Screening machine



Info for using this request form:

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If you click on the "Send" button after opening and filling in the request form, your email program will be opened automatically and the document will be attached automatically.

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