**DTU WEIGH BELT FEEDER QUESTIONNAIRE**

**CONTACT DETAILS**

Name and Surname: Click to enter name and surname.
Company: Click to enter company.
Street: Click to enter street.
City: Click to enter city.
Country: Click to enter country.
Phone number: Click to enter phone number.
E-mail: Click to enter e-mail address.
Date: Click to enter the date.

 **ORDER**

The number of items: Click to enter the number of items.

** MATERIAL**

Material name: Click to enter material name.
Grain size [mm]: Click to enter grain size [mm].
Bulk density [kg/m3]: Click to enter bulk density.
Moisture content [%]: Click to enter moisture content [%].
Angle of repose [o]: Click to enter angle of repose[o].
Material temperature [oC]: [ ]  0-40 [ ]  other: Click to enter other temperature.
Material features: [ ]  well- flowing [ ]  medium flowing [ ]  difficult-flowing [ ]  abrasive [ ]  brittle [ ]  stick [ ]  compressible [ ]  dusty [ ]  easily aerating (“ uncontrolled flowing”) [ ]  bridging [ ]  hygroscopic [ ]  toxic [ ]  chemically aggressive

 **REQUIREMENTS**

Feed rate [kg/h]: min.: Enter V min. maks.: Enter V max.
Dosing mode [ ]  continuous

 → maximum dosing error [% of set value]:

 Click to enter dosing error [% set value].
 [ ]  batch

 → portion weight [kg]

 Click to enter portion weight [kg].

 → number of portions per hour

 Click to enter number of portions per hour.

 → maximum dosing error [kg,g]

 Click to enter dosin error [kg,g].

 [ ]  measurement of flowing material

 → maximum dosing error [t,kg]

 Click to enter dosing error [t,kg].

** CONSTRUCTION**

Installation of feeder

[ ]  under the hooper

[ ]  using the prefedder → [ ]  rotary valve → prefeeder delivery [ ]  Client delivers prefeeder [ ]  screw feeder [ ]  InterProcess delivers prefeeder [ ]  weigh belt feeder [ ]  vibrating feeder [ ]  Other Click to enter type.

[ ]  in the transport and production line (only for measuring material flow)

***How the material is transported to the feeder***

Click to enter how the material is transported to the feeder.

***Feeder localization***

Click to enter feeder localization

***Space limitations***

Length[mm]: Click to enter length.
Width [mm]: Click to enter width.
Height [mm]: Click to enter height.

***Required weigh length [mm]:*** [ ]  300 [ ]  600

***Feeder version:***

[ ]  without housing [ ]  in dust-proof housing



***Execution***

[ ]  stainless steel 1.4301 (AISI304) [ ]  stainless steel 1.4404 (AISI 316L)

 **MOTOR**

Outlet

[ ]  SEW gearmotor with protection degree IP65

[ ]  SEW gearmotor in aseptic version, protection degree IP66

[ ]  Other: Click to enter other type of motor.

Frequency [Hz]: Click to enter frequency.

***The motor is controlled by an inverter.***

***Gearmotor location***

 [ ]  Left side [ ]

 [ ]  Right side

Right side

Left side

Inlet

 **ENVIRONMENT**

Working temperature [oC]: [ ]  maximum 40 [ ]  other: Click to enter the other temperature.
ATEX: [ ]  not [ ]  yes → Gases, liquids and their vapors
 Inside the device: [ ]  0 [ ]  1 [ ]  2
 Outside the device: [ ]  1 [ ]  2

 → Explosive dusts:
 Inside the device: [ ]  20 [ ]  21 [ ]  22
 Outside the device: [ ]  21 [ ]  22 [ ]  conductive dust (IIIC)

 Dust explosion classification:

 [ ]  ST1 [ ]  ST2 [ ]  ST3

 Minimum ignition temperature [°C]

 Click to enter minimum ignition temperature [oc].

 Minimum ignition energy [mJ].

 Click to enter minimum ignition energy [mJ].

 **SYSTEM CONTROL**

[ ]  Without Control System [ ]  Control system with range linearization

Control Cabinet IP65
[ ]  powder- coated [ ]  Stainless steel 1.4301 (AISI304)

[ ]  Other Click to enter type.

Control cabinet installation place: [ ]  on screw feeder on left side

 [ ]  on screw feeder on right side

 [ ]  separately. The length of the cable routes [m]

 Click to enter the length of cable routes.

 [ ]  in Client’s control cabinet. The length of the cable routes [m]

 Click to enter the length of cable routes.
Communication: [ ]  Modbus TCP [ ]  Modbus RTU [ ]  Ethernet IP [ ]  Profibus DP

** ADDITIONAL COMMENTS**

Comments:

Click to enter comments.