**DTC WEIGH BELT FEEDER QUESTIONNAIIRE**

**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 numer.
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.
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. max.: 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].
Scale legal-to-trade: [ ]  not [ ]  yes

** CONSTRUTION**

***Feeder localization***

Click to enter feeder localization.

***Space limitations***

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

***Required belt width [mm]:*** [ ]  650 [ ]  800 [ ]  1000 [ ]  1200 [ ]  1400

***Spacing of turning shafts [mm]:*** [ ]  1500 [ ]  2000 [ ]  2500 [ ]  3000 [ ]  3500 [ ]  4000 [ ]  4500 [ ]  5000 [ ]  5500 [ ]  6000 [ ]  6500 [ ]  7000 [ ]  7500 [ ]  8000

***Distance between inlet and outlet [mm]:*** Click to enter the distance between inlet and outlet.

***Dimensions of the inlet of the charging hooper [mm]:*** [ ]  standard [ ]  specific dimension → Length: Enter lenght. Width: Enter width.

Charging hooper

***Optional feeder covers***

Belt covers

[ ]  not

[ ]  yes → [ ]  charging chopper

 [ ]  belt covers

 [ ]  bottom covers

Bottom covers

 [ ]  hooper cover

Hooper cover

***Execution***

[ ]  carbon steel, powered coated with polyester paint, coating thickness 70-80 μm [ ]  varnish C5-I

 **MOTOR**

[ ]  SEW gearmotor SEW 3x400 V AC with protection degree IP65

[ ]  SEW gearmotor SEW 3x500 V AC protection degree IP65

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

Frequency [Hz]: Click to enter frequency.

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

 **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 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 OPTIONS**

[ ]  vibrating hooper [ ]  belt deviations systems [ ]  chamber for easily aerating materials [ ]  basket lined with abrasion-resistant plastic [ ]  basket made of Hardox

** ADDITIONAL COMMENTS**

Comments:

Click to enter the comments.