

QUESTIONNAIRE – BELT WEIGHFEEDER DTU

Please complete the form fields and return the questionnaire to biuro@interprocess.pl – we will prepare our quotation on this basis. Any questions: tel. +48 787 783 590.

CONTACT DETAILS

Full name:		Phone number:	
Company:		E-mail address:	
Street and number:		Country:	
Postcode, town:		Date completed:	

ORDER

Quantity:		Required delivery date:	
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MATERIAL

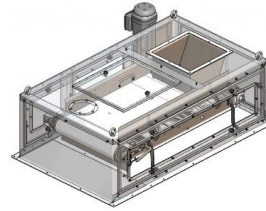
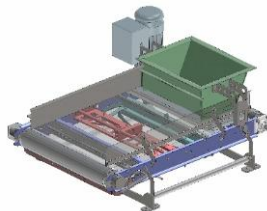
Material name:			
Particle size [mm]:		Bulk density [kg/m³]:	
Moisture content [%]:		Angle of repose [°]:	
Material temperature [°C]:	☐ 0–40 ☐ other: _____		
Material properties:	☐ free-flowing ☐ medium-flowing ☐ poor-flowing ☐ dusty ☐ abrasive ☐ friable ☐ sticky ☐ cohesive (caking) ☐ hanging up, bridging ☐ hygroscopic ☐ aeratable (flooding) ☐ toxic ☐ chemically aggressive (corrosive) ☐ intended for food contact / pharmaceutical product		

REQUIREMENTS

Feed rate [kg/h, t/h]:	min.: _____	max.: _____	nominal: _____
Feeding mode:	☐ continuous → permissible feeding error [± % of setpoint]: _____ ☐ batch (discontinuous) → batch weight [kg]: _____ batches per hour: _____ permissible batch error [± g, kg]: _____ ☐ mass flow measurement → permissible measuring error [± %]: _____		

DESIGN

Feeder installation:	☐ below hopper ☐ with prefeeder: ☐ rotary valve ☐ screw feeder ☐ belt feeder ☐ vibratory feeder ☐ other: _____ prefeeder supplied by: ☐ customer ☐ InterProcess ☐ in a conveying/production line (mass flow measurement only)		
Material feed to feeder:			
Feeder location:			
Space constraints [mm]:	length: _____	width: _____	height: _____
Required belt width [mm]:	☐ 300 ☐ 600		
Construction:	☐ stainless steel 1.4301 (AISI 304) ☐ stainless steel 1.4404 (AISI 316L)		
Feeder version:	☐ without enclosure ☐ in dust-tight enclosure		



Hygienic design – options (please tick each option separately)

- ☐ continuous internal and external welds
- ☐ food-contact approved belt (compliant with FDA and Regulation (EC) No 1935/2004)
- ☐ product-contact surfaces (inlet, outlet hopper) ground to roughness Ra < 0.8 µm
- ☐ easy-clean system – feeder slides out of the enclosure on telescopic rails
- ☐ 'easy-clean' support structure (hollow sections set diamond-wise, minimised dust-collecting surfaces)
- ☐ aseptic geared motor (IP66) – select in DRIVE section
- ☐ Rittal HD (Hygienic Design) series electrical enclosures

DRIVE

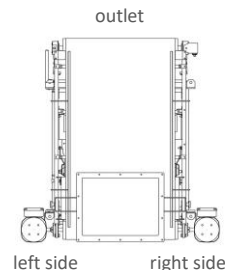
Geared motor:

- ☐ SEW, protection rating IP54
☐ SEW with OS4 protective coating (corrosivity category C5), protection rating IP65
☐ SEW aseptic version, protection rating IP66
☐ other:

Supply voltage [V]: Supply frequency: ☐ 50 Hz ☐ 60 Hz

Geared motor position (see adjacent drawing):

- ☐ left side ☐ right side



OPERATING ENVIRONMENT

- Ambient temperature [°C]: ☐ 0-40 ☐ other:
- Installation site: ☐ indoors ☐ outdoors, under cover ☐ outdoors, uncovered
- ATEX – explosion hazard zone: ☐ no ☐ yes → please specify below:
- gases, flammable liquid vapours inside equipment: ☐ 0 ☐ 1 ☐ 2 outside: ☐ 1 ☐ 2
- explosion group and temperature class:
- combustible dusts inside equipment: ☐ 20 ☐ 21 ☐ 22 outside: ☐ 21 ☐ 22
- dust parameters dust explosion class: ☐ St 1 ☐ St 2 ☐ St 3 ☐ conductive dust (IIIC)
- minimum ignition energy [mJ]:
- min. ignition temp. [°C] – dust cloud: 5 mm dust layer:

CONTROL SYSTEM

- Scope of supply: ☐ without control system ☐ integrated control system
- HMI operator panel: ☐ no ☐ yes → ☐ on control cabinet ☐ in separate enclosure at feeder
- Control cabinet IP65: ☐ powder-coated steel ☐ stainless steel 1.4301 (AISI 304) ☐ other:
- Control cabinet location: ☐ on feeder – left side ☐ on feeder – right side
☐ away from feeder – cable run length [m]:
☐ in customer's control cabinet (controller with switchgear) – cable run [m]:
- Communication: ☐ Modbus TCP ☐ Modbus RTU ☐ EtherNet/IP ☐ PROFIBUS DP
☐ PROFINET ☐ other:

ADDITIONAL OPTIONS

- ☐ vibrating inlet for poor-flowing materials ☐ belt misalignment sensors ☐ round inlet ☐ manual inlet slide gate
☐ outlet hopper with round flange ☐ dust collection hopper below belt

INSTALLATION SITE AND ADDITIONAL REMARKS

Description of feeder installation site (e.g. upstream and downstream equipment, available space and operator access, method of mounting, available utilities):

Additional remarks/requirements (e.g. process description, special requirements, scope of supply, documentation, installation, commissioning):

If possible, please attach drawings, a plant layout or photos of the installation site and the material safety data sheet (SDS).