

## QUESTIONNAIRE – BIG-BAG FILLING STATION BSA

Please complete the form fields and return the questionnaire to [biuro@interprocess.pl](mailto: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: |  |
|-----------|--|-------------------------|--|

### MATERIAL

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

### REQUIREMENTS

|                           |  |                                    |  |
|---------------------------|--|------------------------------------|--|
| Filling rate [kg/h, t/h]: |  | Big-bags per hour:                 |  |
| Filled bag weight [kg]:   |  | Permissible weighing error [± kg]: |  |

### BIG-BAG DETAILS

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| Number of lifting loops:  | <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4      |
| Maximum bag weight [kg]:  |                                                                                       |
| Inner liner:              | <input type="checkbox"/> no <input type="checkbox"/> yes                              |
| Bag inlet:                | <input type="checkbox"/> with filling spout <input type="checkbox"/> open top (skirt) |
| Bag:                      | <input type="checkbox"/> single-use <input type="checkbox"/> reusable                 |
| B1 – bag length [mm]:     |                                                                                       |
| B2 – spout diameter [mm]: |                                                                                       |
| H1 – bag height [mm]:     |                                                                                       |
| H2 – spout length [mm]:   |                                                                                       |
| H3 – loop height [mm]:    |                                                                                       |
| L1 – bag width [mm]:      |                                                                                       |



### DESIGN

|                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |         |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| Space constraints [mm]:                                                 | length:                                                                                                                                                                                                                                                                                                                                                                                                                              | width: | height: |
| Filling station location:                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |         |
| Bag filled on pallet:                                                   | <input type="checkbox"/> no <input type="checkbox"/> yes → pallet dimensions [mm]:                                                                                                                                                                                                                                                                                                                                                   |        |         |
| Filled bag removal:                                                     | <input type="checkbox"/> forklift / pallet truck <input type="checkbox"/> roller conveyor <input type="checkbox"/> other:                                                                                                                                                                                                                                                                                                            |        |         |
| Equipment feeding material to station (if to be included in quotation): | <input type="checkbox"/> no <input type="checkbox"/> yes → <input type="checkbox"/> screw conveyor <input type="checkbox"/> rotary valve <input type="checkbox"/> knife gate<br><input type="checkbox"/> feeder: <input type="checkbox"/> volumetric screw <input type="checkbox"/> gravimetric screw<br><input type="checkbox"/> gravimetric belt <input type="checkbox"/> gravimetric vibratory<br><input type="checkbox"/> other: |        |         |
| Non-contact parts:                                                      | <input type="checkbox"/> powder-coated carbon steel (polyester coating)<br><input type="checkbox"/> C5 paint system to EN ISO 12944                                                                                                                                                                                                                                                                                                  |        |         |
| Product-contact parts:                                                  | <input type="checkbox"/> stainless steel 1.4301 (AISI 304) <input type="checkbox"/> stainless steel 1.4404 (AISI 316L)<br><input type="checkbox"/> stainless steel 1.4301 (AISI 304) <input type="checkbox"/> stainless steel 1.4404 (AISI 316L)                                                                                                                                                                                     |        |         |

**Hygienic design – options (please tick each option separately)**

- ☐ continuous internal and external welds  
☐ 'easy-clean' design (hollow sections set diamond-wise, minimised dust-collecting surfaces)  
☐ internal surfaces ground to roughness Ra < 0.8 µm  
☐ non-steel product-contact parts compliant with FDA and Regulation (EC) No 1935/2004  
☐ Rittal HD (Hygienic Design) series electrical enclosures

**☀ 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: \_\_\_\_\_

**➕ ADDITIONAL OPTIONS**

- Bag pre-inflation by blower before filling (speeds up and eases bag preparation): ☐ no ☐ yes  
Automatic-release bag hooks: ☐ no ☐ yes  
Bag lifting in initial filling phase (pneumatic cylinders and movable hook frame): ☐ no ☐ yes  
Vibratory compactor (vibrating table) – optimises filling and material distribution in bag: ☐ no ☐ yes  
Bag dedusting / venting during filling (connection for dust extraction system): ☐ no ☐ yes

**🔧 CONTROL AND WEIGHING SYSTEM**

- Weighing system: ☐ no ☐ yes → ☐ with filling control ☐ without filling control  
Control cabinet IP65: ☐ powder-coated steel (RAL 7035) ☐ stainless steel 1.4301 (AISI 304) ☐ other: \_\_\_\_\_  
Control cabinet location: ☐ on station frame  
☐ away from station – 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: \_\_\_\_\_

**≡ INSTALLATION SITE AND ADDITIONAL REMARKS**

Description of filling station 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).*