Form # 11178-R2021

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* = Required Field

Application Questionnaire

Company* Contact Name*

Address* Contact eMail*

State / Province* Zip/Postal Code* Telephone*

VAC-U-MAX Representative

Please quote by (Date): RFQ Status*: Select One

Brief Project Description* (A Layout Sketch is attached with this application)*

System will operate (hours/day, days/week, months/year)*

Plant Conditions

Location (if different from above)

Altitude (feet or meters ASL) Temperature in Winter/Summer (^{O}F/^{O}C)

VAC-U-MAX Equipment Location:

Pickup Point* Select One Discharge Point* Select One

Vacuum Producer* Select One Convey Tubing* Select One

Available Electric Power:

Vacuum Producer* Select One Other

Controls* Select One Other

Available Compressed Air:

HP/kW Select One

Note:

A screw-type air compressor has a typical output of 4 SCFM per HP @ 90 psig, e.g. 10HP x 4 = 40 SCFM

Will VAC-U-MAX equipment be exposed to any of the following from equipment being fed?

☐ Fumes ☐ Heat ☐ Vapor ☐ Only During Loading ☐ None

Material Details

	Material #1	Material #2
Common Name		
Trade Name		
Primary Supply Source	Select One	Select One
Explain Upstream Process (If Applicable)		
Bulk Density (lb/ft3, g/cc)		
Particle Size Range		
Product Shape	Select One	Select One

Material Characteristics I
(Check all that apply)

Material #1	Material #2
☐ Dusty	☐ Dusty
☐ Non-Dusty	☐ Non-Dusty
☐ Granular	☐ Granular
☐ Abrasive	☐ Abrasive
☐ Absorbs Moisture	☐ Absorbs Moisture
☐ Cohesive	☐ Cohesive
☐ Fragile / Friable	☐ Fragile / Frangible
☐ Fibrous	☐ Fibrous
☐ Acidic pH	☐ Acidic pH
☐ Caustic pH	☐ Caustic pH
☐ Toxic	☐ Toxic
☐ Corrosive To:	☐ Corrosive To:

Material Characteristics II
(Check all that apply)

Material #1	Material #2
☐ Free-Flowing	☐ Free-Flowing
☐ Sluggish	☐ Sluggish
☐ Non-Free-Flowing	☐ Non-Free-Flowing
☐ Fluidizes / Floods	☐ Fluidizes / Floods
☐ De-Aerates Quickly	☐ De-Aerates Quickly
☐ Angle of Repose	☐ Angle of Repose

Explosivity Values
(if applicable)
(attach copy of DHA for each material)

	Material #1	Material #2
K_{st}		
P_{max}		
MIE		

Distance from Receiver(s) To Nearest Exterior Wall (inches or mm)

Material #1	Material #2

* = Required fields

Electrical Power & Controls

	Vacuum Producer	Filter Receiver(s)	Pickup Point(s)	Control Panel
Electrical Area Class/Zone*	Select One	Select One	Select One	Select One
Group				
Enclosure Req'ts (NEMA)*	Select One	Select One	Select One	Select One
Motor Rating*	Select One			

Requested Manufacturer:

(VAC-U-MAX standard will be supplied if none selected)

Motor		Status	Select One
Enclosures		Status	Select One
PLC / HMI		Status	Select One
Solenoids		Status	Select One
Discharge Valve		Status	Select One
Other Component		Status	Select One

Explosion Protection Equipment (if required)

NFPA 68/69 Technology	Select One
Explosion Isolation Valve Type	Select One
Preferred Explosion Technology Manufacturer:	

PLC / HMI Details (if applicable)

PLC Local or Remote	Select One
Transmission Protocol	Select One
HMI Size (inches / mm)	
Preferred PLC/HMI Supplier:	

* = Required fields

Conveying Application Details:

(Layout Sketch is attached with this application)* ☐

Convey Rate (lb/hr or kg/hr)* _____

Duty Factor / Frequency * _____ **(times per minute or hour)**

Conveying Route (feet or meters):

Horizontal* _____ Vertical* _____ Number of Elbows* _____

Any change in elevation in the route greater than 15ft (4.6m)?* Select One

(Please show the elevation change on your layout sketch)

Pick-Up Points:

How many pickup points will supply materials?* _____

Will the conveying system be supplied by a continuous process?* Select One

If "Yes", describe the process: _____

If "Yes", what is the rate per hour? _____

How much space is available under the process outlet (inch / mm)? _____

Conveyor Will Discharge Into This Process:

☐ Mixer _____

☐ Silo / Tank / Reactor _____

☐ Filling Machine _____ ☐ Screen _____

☐ Tablet Press _____ ☐ Dryer _____

☐ Vol. Feeder _____ ☐ LIW Feeder _____

☐ Tablet Press _____ ☐ Mill _____

☐ Other Process _____

Fill Opening Size in Process* _____ Headroom Above Process* _____

Req'd Feed Rate of Process* _____ Continuous Feed Req'd? Select One

Batch Conveying

How often does the batch need to be transferred? Every _____ Minutes / Hours

Batch Size (lb / Kg): _____ Time allowed to transfer the batch: _____

Distance from vacuum producer to control panel (ft/m)* Select One

Distance from vacuum producer to vacuum receiver (ft/m)* Select One

Distance from vacuum receiver to control panel (ft/m)* Select One

* = Required fields

Materials of Construction and Finish

☐ Our company has a comprehensive design standards document. Copy is attached in lieu of completing this section of the form.

Material of Construction

Product Contact Parts: Select One

Non-Product Contact Parts: Select One

Other:

Surface Finish Requirements

Product Contact Parts: Select One

Non-Product Contact Parts: Select One

Other Surface Finish:

Passivation Required: ☐

Convey Tubing

☐ Tubing Materials Supplied by Others

Material of Construction: Select One

Other Material:

Documentation (In addition to standard Owner's Manual)

Material Certificates Required: ☐