

TECHNICAL QUESTIONNAIRE

CUSTOMER INFORMATION

CLIENT NAME:	_____		
COMPANY NAME:	_____		
ADDRESS:	_____ _____		
PHONE:	_____	MOBILE:	_____
EMAIL:	_____		

APPLICATIONS

Finex Sieves Pvt. Ltd. provides an array of options for powder processing machineries. Please fill out the questionnaire for the application that you are seeking:

1. [Size Reduction \(Grinding/ Crushing/ Pulverizing\)](#)
2. [Screening/ Sieving](#)
3. [Mixing](#)
4. [Granulation/ Pelletizing](#)
5. [Drying](#)
6. [Dust Collection System](#)
7. [Conveying Systems](#)

SIZE REDUCTION (GRINDING/ CRUSHING/ PULVERIZING)

1.	Class / Category	<input type="checkbox"/> Chemical <input type="checkbox"/> Food <input type="checkbox"/> Spices <input type="checkbox"/> Pharmaceutical <input type="checkbox"/> Herbal	<input type="checkbox"/> Color <input type="checkbox"/> Plastic <input type="checkbox"/> Mineral <input type="checkbox"/> Cosmetic <input type="checkbox"/> Other:
2.	Product Name		
3.	Infeed Size: <i>(mm, inch or mesh size)</i>		
4.	Fineness Desired: <i>(mm, inch or mesh size)</i>		
5.	Capacity Desired: <i>(kgs/hr or tons/hr)</i>		
6.	Product bulk density	(feed)	gms/cc (end/fine) gms/cc
7.	Moisture Content	(initial)	%max (final) % <i>(if required)</i>
8.	Hardness: <i>(on moh's scale)</i>	e.g. 1- Tac 2-Gypsum 3-Calsite 4-Flourspar 5-Apatite 6- Felspar 7-Quartz 8-Topaz- 9- Sapphire 10-Diamond	
9.	Temperature at which product gets damaged		
10.	Abrasiveness	<input type="checkbox"/> Not abrasive	<input type="checkbox"/> Slightly abrasive <input type="checkbox"/> Highly abrasive
11.	Strength	<input type="checkbox"/> Breaks easily	<input type="checkbox"/> Breaks with resistance <input type="checkbox"/> Quite tough
12.	Nature of feed material	<input type="checkbox"/> Lumpy	<input type="checkbox"/> Flakes <input type="checkbox"/> Granules <input type="checkbox"/> Other:
13.	Type of Process	<input type="checkbox"/> Batch	<input type="checkbox"/> Continuous
14.	Other properties	<input type="checkbox"/> Dry <input type="checkbox"/> Moist <input type="checkbox"/> Wet <input type="checkbox"/> Hygroscopic	<input type="checkbox"/> Corrosive <input type="checkbox"/> Sticky <input type="checkbox"/> Fatty <input type="checkbox"/> Flammable <input type="checkbox"/> Greasy <input type="checkbox"/> Heat-Sensitive <input type="checkbox"/> Explosive <input type="checkbox"/> Hazardous <input type="checkbox"/> Other:
15.	Presence of foreign substance	<input type="checkbox"/> Stone <input type="checkbox"/> Paper <input type="checkbox"/> Wood <input type="checkbox"/> Glass	<input type="checkbox"/> Magnetic Material <input type="checkbox"/> Non-Magnetic metal <input type="checkbox"/> Fibers <input type="checkbox"/> Other
16.	Material of Construction	<input type="checkbox"/> Mild Steel/Carbon Steel <input type="checkbox"/> SS-304	<input type="checkbox"/> SS-316 <input type="checkbox"/> Other:
17.	Other Requirements <i>(please specify):</i>		

SCREENING/SIEVING

1.	Product Name			
2.	Product Properties	<input type="checkbox"/> Free Flowing <input type="checkbox"/> Light Powder <input type="checkbox"/> Heavy Powder <input type="checkbox"/> Sticky <input type="checkbox"/> Hygroscopic	<input type="checkbox"/> Granules <input type="checkbox"/> Slurry <input type="checkbox"/> Liquids with undissolved solids	
3.	Particle size <i>(if powder)</i>			
4.	Abrasiveness	<input type="checkbox"/> Not abrasive	<input type="checkbox"/> Slightly abrasive	<input type="checkbox"/> Highly abrasive
5.	Moisture Content (%)			
6.	Viscosity			
7.	Density			
8.	Temperature as sieved			
9.	Capacity <i>(kgs/hr or tons/hr)</i>			
10.	Type of Process	<input type="checkbox"/> Batch	<input type="checkbox"/> Continuous	
11.	Number of screens	<input type="checkbox"/> Single Screen	<input type="checkbox"/> Multiple Screen	
12.	If multiple screens, please specify	Screen 1 Mesh aperture _____ Microns	_____	% oversize
		Screen 2 Mesh aperture _____ Microns	_____	% oversize
		Screen 3 Mesh aperture _____ Microns	_____	% oversize
13.	% of fines permissible in oversize			
14.	Material of Construction	<input type="checkbox"/> Mild Steel/Carbon Steel <input type="checkbox"/> SS-304	<input type="checkbox"/> SS-316 <input type="checkbox"/> Other:	
15.	Type of Screener	<input type="checkbox"/> Vibratory	<input type="checkbox"/> Non-Vibratory	<input type="checkbox"/> Rotary
16.	Type of Feeder	<input type="checkbox"/> Manual	<input type="checkbox"/> Automatic	
17.	Other Requirements <i>(please specify)</i>			

MIXING

1.	Product Name	Component 1: Component 2: Component 3: Component 4:
2.	Powder bulk density (<i>gm/cm³</i>)	Component 1: Component 2: Component 3: Component 4:
3.	Product Properties	<input type="checkbox"/> Dry <input type="checkbox"/> Wet <input type="checkbox"/> Greasy <input type="checkbox"/> Explosive <input type="checkbox"/> Moist <input type="checkbox"/> Sticky <input type="checkbox"/> Heat- <input type="checkbox"/> Hazardous <input type="checkbox"/> Corrosive <input type="checkbox"/> Fatty Sensitive <input type="checkbox"/> Other: <input type="checkbox"/> Hygroscopic <input type="checkbox"/> Flammable
4.	Material of Construction	<input type="checkbox"/> Mild Steel/Carbon Steel <input type="checkbox"/> SS-316 <input type="checkbox"/> SS-304 <input type="checkbox"/> Other:
5.	Batch size/ Capacity (<i>liters/kg</i>)	
6.	Particle size of feed material	
7.	Type of mixing	<input type="checkbox"/> Dry Mixing <input type="checkbox"/> Wet Mixing
8.	Type of Process	<input type="checkbox"/> Batch <input type="checkbox"/> Continuous
9.	Mixing time (<i>mins</i>)	
10.	Minimum batch to be mixed (<i>kgs</i>)	
11.	Capacity (<i>kgs/hr</i>)	
12.	End use of mixed material	
13.	Discharge option	<input type="checkbox"/> Manual Valve <input type="checkbox"/> Pneumatic Valve <input type="checkbox"/> Rotary Airlock Valve
14.	Mixer Design	<input type="checkbox"/> Ribbon Single Mixing <input type="checkbox"/> Paddle Twin Mixing
15.	Powder/Liquid Ratio	
16.	Spray nozzle required	
17.	Moisture or liquid additive to be added if any %	
18.	Other Requirements (<i>please specify</i>):	

GRANULATION/PELLETIZING

1.	Product Name	
2.	Is the material a mixture?	
3.	If yes, please specify the composition and % of each component	
4.	Nature of the material:	<input type="checkbox"/> Hazardous <input type="checkbox"/> Non-Hazardous
5.	Powder particle size <i>(micron/mesh)</i>	<input type="checkbox"/> 10mesh <input type="checkbox"/> 120 mesh <input type="checkbox"/> Pan <input type="checkbox"/> 45 mesh <input type="checkbox"/> 200 mesh <input type="checkbox"/> Other: <input type="checkbox"/> 80 mesh <input type="checkbox"/> 325 mesh
6.	Desired Pellet size <i>(mm)</i>	
7.	Aerated Bulk Density <i>(gm/cm³)</i>	
8.	Moisture content (%)	
9.	Application	
10.	Binder to be used	
11.	Drying Temperature	
12.	Hardness of pellets	
13.	Spraying system required	
14.	Material of Construction	<input type="checkbox"/> Mild Steel/Carbon Steel <input type="checkbox"/> SS-316 <input type="checkbox"/> SS-304 <input type="checkbox"/> Other:
15.	Other Requirements <i>(please specify)</i>	

DRYING

1.	Product to be dried				
2.	Moisture content	Initial	%	Final	%
3.	Production Rate (<i>kg/hr</i>)				
4.	Method of measuring moisture content				
5.	Temperature at which product should be heated				
6.	Product properties	<input type="checkbox"/> Hygroscopic	<input type="checkbox"/> Free-flowing	<input type="checkbox"/> Cake	
		<input type="checkbox"/> Sticky	<input type="checkbox"/> Granular	<input type="checkbox"/> Friable	
		<input type="checkbox"/> Pasty	<input type="checkbox"/> Crystalline	<input type="checkbox"/> Deliquescent	
7.	Does material contain bound moisture?	<input type="checkbox"/> Yes	If yes, please specify the moisture content		
		<input type="checkbox"/> No			
8.	Temperature at which material gets damaged				
9.	Specific heat of dry product				
10.	Specific gravity of dry product				
11.	Bulk density (<i>gm/cm³</i>)				
12.	Particle size analysis				
13.	Any other unique properties of the product				
14.	Material of construction	<input type="checkbox"/> Mild Steel/Carbon Steel	<input type="checkbox"/> SS-316		
		<input type="checkbox"/> SS-304	<input type="checkbox"/> Other:		
16.	Heating Media- direct fired	<input type="checkbox"/> Oil	<input type="checkbox"/> LPG	<input type="checkbox"/> Coal	
17.	Heating Media-indirect fired	<input type="checkbox"/> Electric	<input type="checkbox"/> Steam	<input type="checkbox"/> Thermic Fluid	<input type="checkbox"/> Oil <input type="checkbox"/> LPG
18.	Steam pressure available				
19.	Maximum air temp. attainable				
20.	Is cooling required after drying?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
21.	Accessories required	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Filter Bags		
		<input type="checkbox"/> Cyclone Separator	<input type="checkbox"/> Wet Scrubber		
22.	Controls required	<input type="checkbox"/> Temperature	<input type="checkbox"/> Pressure	<input type="checkbox"/> Feed Rate	
23.	Indicators required	<input type="checkbox"/> Temperature	<input type="checkbox"/> Pressure		
24.	Safety Instruments/interlock required?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
25.	Ambient conditions-min. temperature				
26.	Type of dryer required	<input type="checkbox"/> Rotary	<input type="checkbox"/> Vibro Fluidized Bed	<input type="checkbox"/> Flash	
		<input type="checkbox"/> Fluidized Bed	<input type="checkbox"/> Conveyorised	<input type="checkbox"/> Spray	
27.	Other Requirements (<i>please specify</i>)				

DUST COLLECTION SYSTEM

1.	Product Name		
2.	Application	<input type="checkbox"/> Food <input type="checkbox"/> Pharmaceutical	<input type="checkbox"/> Chemical <input type="checkbox"/> Other
3.	Location of the filter	<input type="checkbox"/> Indoor	<input type="checkbox"/> Outdoor
4.	Insulated	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5.	Type of Solid/ Dust		
6.	Fineness of dust particles (micron/mesh)		
7.	Dust Characteristics	<input type="checkbox"/> Abrasive <input type="checkbox"/> Oily <input type="checkbox"/> Clogging <input type="checkbox"/> Toxic <input type="checkbox"/> Corrosive	<input type="checkbox"/> Hygroscopic <input type="checkbox"/> Pyrophoric <input type="checkbox"/> Electrostatically charged <input type="checkbox"/> Other
8.	Process End use	<input type="checkbox"/> Waste dust	<input type="checkbox"/> Product Recovery
9.	Operating temperature (°C)		
10.	Maximum Temperature (°C)		
11.	Design pressure		
12.	Humidity (%)		
13.	Inlet dust load (g/m ³)		
14.	Required outlet emission (mg/m ³)		
15.	Horizontal and vertical distance from equipment's emitting dust (m/ft)		
16.	Bag filter model		
17.	Dimensional sales print		
18.	Filter area		
19.	Filter rate		
20.	Type of bags		
21.	No. of bags		
22.	Size of bag		
23.	Material of construction	<input type="checkbox"/> Mild Steel/Carbon Steel <input type="checkbox"/> SS-304	<input type="checkbox"/> SS-316 <input type="checkbox"/> Other:
24.	Compressed air required		
25.	No. of valves		
26.	Pressure drop across bag filter		
27.	Discharge of dust		
28.	Other Requirements (please specify)		

CONVEYING SYSTEMS

1.	Product Name	
2.	Product Properties	<input type="checkbox"/> Hygroscopic <input type="checkbox"/> Free-flowing <input type="checkbox"/> Cake <input type="checkbox"/> Sticky <input type="checkbox"/> Granular <input type="checkbox"/> Friable <input type="checkbox"/> Pasty <input type="checkbox"/> Crystalline <input type="checkbox"/> Deliquescent
3.	Product particle size	
4.	Granule size	
5.	Bulk density (g/cm^3)	
6.	Capacity (<i>kgs/hr or tons/hr</i>)	
7.	Application	
8.	Discharge Height	
9.	Conveying distance	
10.	Material of Construction	<input type="checkbox"/> Mild Steel/Carbon Steel <input type="checkbox"/> SS-316 <input type="checkbox"/> SS-304 <input type="checkbox"/> Other:
11.	Type of Conveyor	<input type="checkbox"/> Belt Conveyor <input type="checkbox"/> Rotary Airlock Valve <input type="checkbox"/> Bucket Elevator <input type="checkbox"/> Vibrating Feeder <input type="checkbox"/> Screw Conveyor
12.	Other requirements (<i>please specify</i>)	