PRATER
AIRLOCKS • MILLS • SEPARATORS

Prater Industries Application Data Sheet

Company _____ Date _____

Contact _____ Project No _____

Title _____ Lead Source _____

Address _____ RSM _____

City/State/Zip _____ Rep _____

Phone _____ Quote: ☐ Firm ☐ Budget ☐ Order of Magnitude

Fax _____ Is Project Funded? ☐ Yes ☐ No

Mobile _____ Proposal Required By _____

Email _____ Anticipated Close Date _____

1. PROCESS FLOW

Use the space below to describe/ sketch your process:

2. MATERIAL PROFILE

Product: _____

Chem. Formula: _____

Trade Name: _____

Bulk Density, Aerated: _____ lbs/ cu ft

Bulk Density, Settled: _____ lbs/ cu ft

Moisture Content: _____

Fat/ Oil Content: _____

Particle Characteristics (check all that apply):

☐ Powder ☐ Fibrous ☐ Sticky
☐ Pellet ☐ Corrosive ☐ Packs
☐ Lumps ☐ Hygroscopic
☐ Flake ☐ Explosive
☐ Granular ☐ Toxic- Fumes
☐ Chips ☐ Heat Sensitive
☐ Curls ☐ Pharmaceutical

Other (explain): _____

Max Particle Size: _____

Angle of Repose: _____

Flowability: ☐ Good ☐ Ave ☐ Poor

How abrasive is this product?

☐ Mild ☐ Moderate ☐ Extreme

Mohs Hardness: _____ % Silica: _____

3. INPUT (FEED) SIZE

(express value as percent retained on)

_____ % _____ ☐ Mesh ☐ Micron
_____ % _____ ☐ Mesh ☐ Micron
_____ % _____ ☐ Mesh ☐ Micron
_____ % _____ ☐ Mesh ☐ Micron
_____ _____
_____ % _____ ☐ Mesh ☐ Micron

Contains Lumps? ☐ Yes ☐ No

If Yes: Percentage of Lumps: _____

Ave Size: _____ Max Size: _____

4. OUTPUT REQUIREMENTS

Size: expressed as percent retained on

_____ % _____ ☐ Mesh ☐ Micron
_____ % _____ ☐ Mesh ☐ Micron
_____ % _____ ☐ Mesh ☐ Micron
_____ % _____ ☐ Mesh ☐ Micron
_____ % _____ ☐ Mesh ☐ Micron
Max Size: _____ ☐ Mesh ☐ Micron
Min Size: _____ ☐ Mesh ☐ Micron
Average Size: _____ ☐ Mesh ☐ Micron

Machinery Required:

☐ Lump Breaker ☐ Classifier Mill
☐ Hammermill ☐ Rotary Sifter
☐ Fine Grinder ☐ Air Classifier
☐ Other _____

5. PROCESS RATE (@ input to machinery)

Lbs/ Hr (nominal): _____

Lbs/ hr (design): _____

Duty Cycle: _____ Hrs/ Day _____ Days/ Yr

Variable Rate Required? ☐ Yes ☐ No

Max Rate: _____ Min Rate: _____

6. ENVIRONMENTAL

Elevation: _____

Seismic Zone: _____

Ave/ Max/ Min Temp: _____

Ave/ Max/ Min RH: _____

Location: ☐ In Plant ☐ Outdoor

Freq./Voltage Req.: _____

Motor Encl: ☐ XP ☐ TEFC ☐ Washdown

Hazardous Area Rating: _____

7. FIT & FINISH REQUIREMENTS

☐ Food Grade ☐ Pharmaceutical Grade

Material of Construction: _____

Weld Details: _____

Surface Finishes: _____

8. NOTES