

Company Name: _____
Contact Name: _____
Position: _____
Telephone #: _____
Fax #: _____
Address: _____

Sanitary Design
Seal Options: _____
Explosion Protection
Voltage: _____
Phase: _____
Frequency: _____
Motor Speed: _____

Desired Process Improvements (Check all that apply)

- Reduce Batch Time
- Improve Product Quality
- Reduce Air Incorporation
- Reduce Cleanup Time
- Improve Reaction Time
- Improve Dispersion

Product Contact Material:
 304 SS (standard)
 316 SS
 Other _____

Inlet and Outlet Connections:
 Triclamp
 Other _____

Product Contact Elastomers:
 Viton FDA (standard)
 EPDM
 Other _____

Mixing/Blending Powder Dispersion Solid Suspension Dissolving Gas Dispersion / Aeration Other _____

Name	Powder 1		Powder 2	
	Quantity	lb	kg	lb
Bulk Density	Lbs/ft ³ Kg/m ³		Lbs/ft ³ Kg/m ³	
Does the powder flow?	Yes No	Good Bad	Yes No	Good Bad
Does the powder dust?	Yes	No	Yes	No
Initial Particle Size	Primary Grain: Agglomerate:		Primary Grain: Agglomerate:	
Powder container type	Bag Drum	Bulk bag Silo	Bag Drum	Bulk bag Silo



Name	Liquid 1		Liquid 2	
	Quantity	Gal	L	Gal
Temperature	°F °C		°F °C	
Viscosity	cps		cps	
Specific Gravity				

Finished Product Properties (Target)

Name: _____

Quantity: _____ Gal / L **Batch Time:** _____

Normal Process Temp: _____ °F / °C **Max Process Temp:** _____ °F / °C

Max Viscosity: _____ cps

Specific Gravity: _____

Target Particle Size Average: _____

Target Particle Size D(90): _____

Check if applicable:

Abrasive Tends to Foam Sticky/Lumpy

Existing Vessel With these specs	Non-existing Vessel With these specs	Non-existing Vessel with no Specs
Rectangular Length _____ Width _____	Top Description Open _____ Flat _____	ASME (dish) Cone (α) _____ deg
Cylindrical Straight Wall (sw) _____ Diameter (d) _____ Tank Height (h) _____ Ceiling Height (H) _____	Bottom Description Flat _____ ASME (dish) Cone (α) _____	Heating/Cooling Jacket L Min. Mixing Volume _____ Gal Max. Mixing Volume _____ Gal
Atmospheric Pressure Positive Pressure _____ Vacuum _____	Additional mounting inside vessel (Baffles, stirrers, etc). Please include drawings	

Additional Notes:
