PREMIER MILL
An SPX Process Equipment Operation

WORKING TOGETHER FOR A COMMON PURPOSE

Media Order Form

Sales Order: _____ Date: _____

Customer: _____ Customer: _____

Bill To: _____ Ship To: _____

_____ _____

_____ _____

_____ _____

Given By: _____ Taken By: _____

Delivery: _____ Phone: _____

Ship Via: _____ P.O.#: _____

VISA MC AMEX: #_____ Exp. Date: _____

Name on Card: _____

Contact Dave Slovik for pricing, availability and additional media options.
Phone: 1-800-252-5200, Ext. 4188 or email: dave.slovik@processequipment.spx.com

Part Number	Type	Size	$ Per LB.	Total $

SPX Process Equipment
Premier Mill Operation • One Birchmont Dr., Reading, PA 19606
Phone (610) 779-9500 • Fax (610) 779-9666
www.spxprocessequipment.com

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Media Order Form

Media Questionnaire:

1) What is the product viscosity under shear? _____ cps. What is the percent solids?_____%.

   Weight/Gallon _____lbs.

2) Is the product known to react with:

   ❒ Glass ❒ Stainless Steel ❒ Carbon Steel
   ❒ Ceramic ❒ None of these

3) All media will wear and small quantities of media will end up in the product dispersed. Which of the following have the LEASE EFFECT on the finished goods?

   ❒ Glass ❒ Stainless Steel ❒ Zirconia
   ❒ Ceramic ❒ Silica Sand ❒ Carbon Steel

4) What availability of media is required to meet production needs?

   ❒ Ship immediately ❒ Week to 10 days

5) What kind of mill will be used and what horsepower is available?

   ❒ Horizontal Media Mill HP _____ ❒ Vertical Media Mill HP _____

6) Is the mill dedicated to a single product? ❒ Yes ❒ No

7) If not, about how many product changes requiring will washing are required in a week's time period? _____

   _____

8) What is the size of the screen gap opening? _____ m _____ inches

9) What is the size of the largest agglomerates in the pre-mix? _____

10) What is the required particle size of the finished dispersion?

   ❒ Less than 6 Hegman ❒ 7 Hegman = 6 Microns ❒ 1 Micron
   ❒ 6 Hegman = 25 Microns ❒ 3 Microns ❒ Less than 1 Micron
   ❒ 7 Hegman = 12 Microns

11) Nature of solids to be dispersed?

   ❒ Inorganics ❒ Considered easy to grind ❒ Considered hard to grind
   ❒ Organics ❒ Considered medium hard to grind

Various Media Weight Per Gal.

A)	Glass	13.0 lbs. per gal.
B)	Ceramic	14.5 lbs. per gal.
C)	Alumina Ceramic	18.5 lbs. per gal.
D)	Ziroconium Silicate	19.5 lbs. per gal.
E)	Ziroconium Oxide	27.0 lbs. per gal.
F)	Steel	38.0 lbs. per gal.

Bead Selection by Weight to Product Viscosity

A)	Glass	13 lbs. per gal.
B)	Ceramic	14 lbs. per gal.
C)	Alumina Ceramic	18 lbs. per gal.
D)	Ziroconium Silicate	19 lbs. per gal.
E)	Ziroconium Oxide	27 lbs. per gal.
F)	Steel	38 lbs. per gal.

Bead Size to Particle Feed Size

• 3.0 mm	150 - 300 micron
• 2.0 mm	100 - 200 micron
• 1.6 mm	80 - 160 micron
• 1.4 mm	70 - 140 micron
• 1.25 mm	65 - 125 micron
• 1.0 mm	50 - 100 micron
• 0.8 mm	40 - 80 micron
• 0.5 mm	25 - 50 micron
• 0.3 mm	15 - 30 micron

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Glass Beads (Soda Lime Silica Glass - Potters Glass or equivalent generic supplier) - 50 lb. containers

499-0019	0.3 - 0.4 mm	499-0066	1.0 mm (nominal size)	499-0048	1.5 - 2.5 mm
499-0010	0.5 mm (nominal size)	499-0007	1.3 mm (nominal size)	499-0012	2.0 mm (nominal size)
499-0118	0.6 - 0.8 mm	499-0008	1.2 - 1.7 mm	499-0013	3.0 mm (nominal size)
499-0004	0.84 - 1.0 mm	499-0047	1.5 - 2.0 mm		

"SEPR" ER120S Zirconium Silicate - 55 lb. containers

499-0061	0.4 - 0.6 mm	499-0032	1.6 - 2.0 mm	499-0064	1.0 - 1.6 mm
499-0060	0.8 - 1.0 mm	499-0031	2.0 - 2.5 mm	499-0084	1.25 - 2.0 mm
499-0029	1.0 - 1.25 mm	499-0041	0.8 - 1.25 mm	499-0028	1.6 - 2.5 mm
499-00268	1.25 - 1.6 mm				

"RIMAX" Zirconium Silicate - 55 lb. containers

499-0099	0.6 - 0.8 mm	499-0092	1.4 - 1.6 mm	499-0101	2.0 - 2.2 mm
499-0091	0.8 - 1.0 mm	499-0097	1.6 - 1.8 mm	499-0068	2.2 - 2.4 mm
499-0119	1.0- - 1.2 mm	499-0083	1.8 - 2.0 mm	499-0109	2.4 - 2.6 mm
499-0093	1.2 - 1.4 mm				

"ZIRCONOX" Cerium Stabilized Zirconium Oxide - 55 lb. containers

499-0096	0.4 - 0.7 mm	499-0082	1.7 - 2.4 mm	499-0104	0.8 - 1.0 mm
499-0086	0.7 - 1.2 mm	499-0116	0.4 - 0.6 mm	499-0094	1.0 - 1.2 mm
499-0087	1.2 - 1.7 mm	499-0115	0.6 - 0.8 mm		

"MILL MATES+" Cerium Stabilized Zirconium Oxide - 25 lb. containers

499-0117	0.5 mm	499-0108	0.8 - 1.0 mm	499-0106	1.5 mm
499-0103	0.6 - 0.8 mm	499-0102	1.0 mm	499-0100	2.0 mm

"TORAYCERAM" Yttria Stabilized Zirconium Oxide

499-0098	0.2 mm	499-0078	0.3 mm	499-0077	0.4 mm

"YTZ" Yttria Stabilized Zirconium Oxide

499-0071	0.5 mm	499-0069	1.0 mm	499-0105	1.5 mm
499-0070	0.65 mm	499-0073	1.25 mm	499-0085	2.0 mm
499-0072	0.8 mm				

MEDIUM QUALITY "SLYTZ" Yttria Stabilized Zirconium Oxide (CEROGLASS)

499-0110	0.2 - 0.4 mm	499-0112	0.8 - 1.0 mm	499-0114	1.4 - 1.6 mm
499-0111	0.4 - 0.6 mm	499-0113	1.0 - 1.2 mm		

STEEL SHOT - Medium Quality CAST CARBON STEEL (55-60 RC Hardness)

499-0042	0.25 mm	499-0059	0.8 mm	499-0034	1.5 mm
499-0054	0.5 mm	499-0074	1.0 mm	499-0035	2.0 mm
499-0040	0.7 mm	499-0067	1.25 mm	499-0062	2.5 mm

CHROME STEEL BALLS - High Quality ASI52100 Alloy (60-67 RC Hardness)

499-0011	1.3 mm	499-0022	1.6 mm (1/16")	499-0107	2.4 mm (3/32")
499-0021	1.5 mm	499-0027	2.0 mm	499-0090	3.2 mm (1/8")

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