

SCREW CONVEYOR

APPLICATION DATA SHEET

Company: _____	Contact: _____
Address: _____	Title: _____
City: _____	E-mail: _____
State: _____ Zip: _____	Phone: (____) ____ - _____
Proposal Due Date: _____	Fax: (____) ____ - _____
Today's Date: _____	Funded Project: <input type="checkbox"/> Yes <input type="checkbox"/> No

MATERIAL DESCRIPTION:

Trade Name: _____

Compound Name: _____

Molecular Formula: _____

Bulk Density: _____ lbs./ft³

Material Form:

<input type="checkbox"/> Fiber	<input type="checkbox"/> Flake	<input type="checkbox"/> Granule
<input type="checkbox"/> Irregular	<input type="checkbox"/> Pellet	<input type="checkbox"/> Powder
<input type="checkbox"/> Other: _____		

Characteristics:

<input type="checkbox"/> Abrasive	<input type="checkbox"/> Adhesive	<input type="checkbox"/> Cohesive
<input type="checkbox"/> Corrosive	<input type="checkbox"/> Degradable	<input type="checkbox"/> Dusty
<input type="checkbox"/> Explosive	<input type="checkbox"/> Flammable	<input type="checkbox"/> Friable
<input type="checkbox"/> Hazardous	<input type="checkbox"/> Hygroscopic	<input type="checkbox"/> Packs
<input type="checkbox"/> Smears	<input type="checkbox"/> Toxic	

Particle Size: _____ (Max./Min.)

Moisture Content: Water _____ % Fat _____ %

Other Characteristics: _____

Flowability:

<input type="checkbox"/> Free-flowing (angle of repose 30° or less)	<input type="checkbox"/> Sluggish (angle of repose 45° to 60°)
<input type="checkbox"/> Semi free-flowing (angle of repose 30° - 45°)	<input type="checkbox"/> Non free-flowing (angle of repose 60° +)

SCREW CONVEYOR REQUIREMENTS:

Frame Construction:

<input type="checkbox"/> 304 Stainless Steel	<input type="checkbox"/> Carbon Steel
<input type="checkbox"/> 316 Stainless Steel	<input type="checkbox"/> Other _____
<input type="checkbox"/> Continuous Weld	<input type="checkbox"/> Stitch Weld

Grinding Requirement: _____

Wash Down: Yes No
 Water or Cleaning Solution

POWER SUPPLY:

Pneumatic Supply: _____ psi

Electric Supply:

Voltage: _____ Phase: _____ Cycle: _____

Electrical Classification:

<input type="checkbox"/> NEMA 4 (water tight)	<input type="checkbox"/> NEMA 4X (SS)
<input type="checkbox"/> NEMA 4X (FRP)	<input type="checkbox"/> NEMA 7/9 (explosion proof)
<input type="checkbox"/> NEMA 12 (dust tight)	<input type="checkbox"/> Purge (explosion proof)
<input type="checkbox"/> Other _____	

If Hazardous Area: Class: _____ Division: _____ Group: _____

Material Contact Surfaces:

<input type="checkbox"/> 304 Stainless Steel	<input type="checkbox"/> Carbon Steel
<input type="checkbox"/> 316 Stainless Steel	<input type="checkbox"/> Other _____
<input type="checkbox"/> Continuous Weld	<input type="checkbox"/> Stitch Weld

Grinding Requirement: _____

UL Listed Control Panel: Yes No

Material Supply:

Mechanical Conveyor Type: _____

Pneumatic Conveyor

Gravity Drop

Other: _____

See backside for more info.



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Method Of Delivery To Screw Conveyor:

- Mechanical Convey Pneumatic Convey
 Gravity Drop Other _____

Controlled By Downstream Equipment:

- Yes No

If yes, explain: _____

Operating Parameters:

Throughput Required: _____ lbs. / hr. min

Throughput Required: _____ lbs. / hr. max

FEEDING INFORMATION:

- Volumetric Feeder
 Loss-in-weight Feeder (Batch)
 Loss-in-weight Feeder (Continuous)

Accuracy: _____

Material Discharge Method: _____

DIMENSIONAL INFORMATION:

(A) Inlet Height: _____

(B) Discharge Height: _____

(C) Discharge Angle: _____

- Horizontal Discharge

(D) Distance: _____

(E) Hopper Capacity: _____ cu. ft.

Interface:

Describe Interface Connection: _____

Screw Type:

- Rigid Screw Flexible Coreless Screw

Drive:

- Top Drive Bottom Drive
VFD Drive Required? Yes No

