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# ARBOflex™

## Feeder Inquiry Form

Date: \_\_\_\_\_  
Rep: \_\_\_\_\_

Company Name \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Contact \_\_\_\_\_ Title \_\_\_\_\_  
Phone # ( ) \_\_\_\_\_ Fax # ( ) \_\_\_\_\_  
Location of installation \_\_\_\_\_ E-mail address \_\_\_\_\_

### INQUIRY STATUS:

Budgetary  Funded  Approved for purchase

Quote needed by (date): \_\_\_\_\_ Targeted installation date: \_\_\_\_\_  
Quantity: (Number of unites required) \_\_\_\_\_ (A separate form is required for each material type which requires feeding).

### MATERIAL CONSIDERATIONS

- Material to be conveyed is:  
Common Name: \_\_\_\_\_  
Trade Name: \_\_\_\_\_
- What is the bulk density(lbs/cu.ft. or kg/L) \_\_\_\_\_
- Particle size: \_\_\_\_\_ and under.
- Material characteristics (check all that apply):  
 Corrosive  Agglomerates  
 Hygroscopic  Segregates  
 Explosive  Aerates & becomes fluid  
 Toxic  Non-abrasive  
 Friable  Mildly-abrasive  
 Highly-abrasive
- Flowability (check one):  
 Very free flowing (Angle of repose up to 30°).  
 Free flowing (Angle of repose between 30° and 45°).  
 Sluggish (Angle of repose exceeding 45°).
- Material temperature \_\_\_\_\_
- Material composition:  
 Powder  Granule  
 Prill  Other \_\_\_\_\_
- Material moisture content \_\_\_\_\_%

### ENVELOPE

- Description:  
 Unit(s) to be fed by \_\_\_\_\_  
 discharging at a height of \_\_\_\_\_  
 Unit(s) to feed \_\_\_\_\_  
 at an infeed height of \_\_\_\_\_  
 See attached sketch.  
 Auto CAD drawing e-mailed under separate cover.

### OPERATING REQUIREMENTS

- Mode:  
 Volumetric / continuous  Gravimetric / continuous  
 Volumetric / batch  Gravimetric / batch  
  - Required discharge rate \_\_\_\_\_
  - Idle time between discharge cycles \_\_\_\_\_
  - Required number of cycles per hour \_\_\_\_\_
  - Required accuracy \_\_\_\_\_
- Duty cycle: \_\_\_\_\_ hours per day, \_\_\_\_\_ days per week.

### CONSTRUCTION SPECIFICATIONS

- Materials:  
 Polyurethane and stainless steel, contact surfaces,  
 powder coated carbon steel frame (Standard).  
  
 Same as above except with glass steel bead blasted  
 304 stainless steel frame and side panels.  
  
 Other (specify) \_\_\_\_\_

### ENVIRONMENTAL CONSIDERATIONS

- Atmospheric condition(s) (check all that apply):  
 Dirty atmosphere  Explosive atmosphere  
 Corrosive atmosphere  High humidity  
 Temperature \_\_\_\_\_

Represented by:



P.O. Box 56  
Fairport, NY 14550  
Ph: 585-742-3700  
Email: bill@martagan.com

**POWER SUPPLY**

15. Available power:

- 115v/ 1ph/ 60hz     230v/ 3ph/ 60hz
- 230v/ 1ph/ 60hz     460v/ 3ph/ 60hz
- Other \_\_\_\_\_

**CONTROL REQUIREMENTS**

16. Controls:

- No controls, (motor wired to junction box only).
- Volumetric controls  
VFD Shipped loose.
  - Allen Bradley VFD (Nema 0)
  - Yaskawa VFD (Nema 4)
- Gravimetric (LIW) rate controller  
Yaskawa mounted on scale.
  - Uniline U/MMI controller for single feeder application
  - Uniline U/DCS controller for multiple feeder application
- System supervisory panel SU/DSC, touch screen MMI, mounted in Carbon Steel enclosure and shipped loose.
- System supervisory panel SU/DCS, touch screen MMI mounted in stainless steel enclosure and shipped loose.
- Other (specify).

17. NEMA Requirement:

- NEMA 12     NEMA 4     NEMA 4X     Other \_\_\_\_\_

**STANDARD FEATURES AND ACCESSORY ITEMS**

18. Check list:

- Hopper cover with handle.
- Optional stainless steel cover with inlet ring and vent ring.
- 304 stainless steel extension hopper.
- Safety grate (standard)
- No extension nozzle (standard).
- Nozzle clamp ring
- Straight extension nozzle.
- Tee nozzle.
- Gated tee nozzle.
- Tee nozzle with end bearing.
- Platform scale.
- Integrated load cells.
- White Polyurethane hopper (standard).
- FDA approved polyurethane hopper.
- Black, anti-static flexible hopper.

