



Application Pre-Approval / Installation Form

General Information	3DLevelScanner Model: <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> MV <input type="checkbox"/> MVL2
Application Completion Date: _____	
Company Name: _____	
Street: _____	City: _____
Zip: _____	State: _____
Contact Name: _____	Title: _____
Phone: _____	Fax: _____
E-mail: _____	Representative: _____

1. Application Details

1	Quantity of vessels to be monitored			
2	Potential number of vessels to be monitored			
3	Material			
4	Industry	Select From List:, Other: _____		
5	Material Density	, <input type="checkbox"/> g/cc, <input type="checkbox"/> lbs/Cu. ft.		
6	Max Pressure	, <input type="checkbox"/> Bar, <input type="checkbox"/> PSI		
7	Max Temperature inside the vessel	, <input type="checkbox"/> Fahrenheit, <input type="checkbox"/> Celsius		
8	Vessel Shape	Select From List:, Other: _____		
9	<input type="checkbox"/> Rectangular	Length: _____	Width: _____	Height: _____ <input type="checkbox"/> m
10	<input type="checkbox"/> Round	Diameter: _____	Height: _____	<input type="checkbox"/> ft
11	Internal Structure	Select From List:, Other: _____		
12	Internal Movement	<input type="checkbox"/> No <input type="checkbox"/> Yes please describe		
13	Material Maximum Level	, <input type="checkbox"/> m, <input type="checkbox"/> ft		
14	Explosive area	<input type="checkbox"/> YES, <input type="checkbox"/> NO If yes, please designate classification: _____		
15	24vDC Power available	<input type="checkbox"/> YES, <input type="checkbox"/> NO		
16	Outputs required	<input type="checkbox"/> 4-20mA <input type="checkbox"/> RS-485		
17	Outputs used for	<input type="checkbox"/> Inventory <input type="checkbox"/> Control		
18	Previous technology used:	_____		

Blueprints of vessel's shape and expected possible mounting locations are required.

Approved by:

Full Name: _____

Title: _____

Date: _____

Signature: _____

Company Name:

2. Material Characteristics

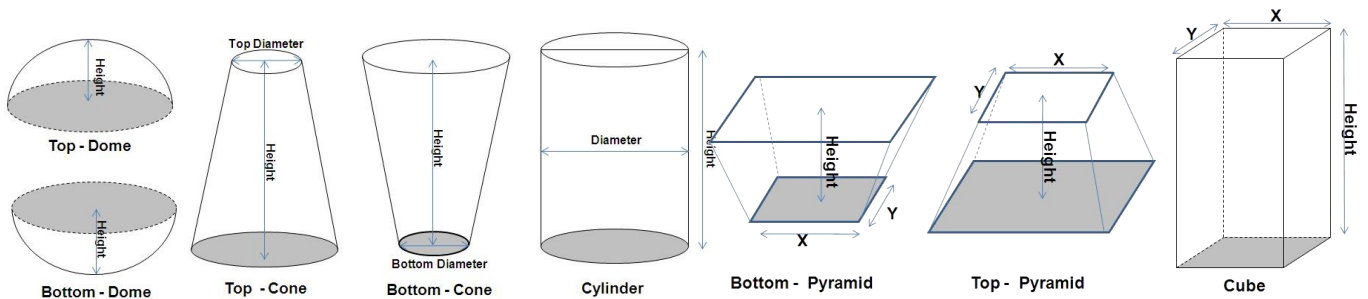
Angle of Repose:	
Particle Type: Select from list	Characteristics: Select From List

3. Vessel Details

Vessel Shape: Select from list	Internal Structure: Select from list, Other:
Note: It is recommended to put the Empty calibration level above internal structure	

4. Vessel Dimensions (internal)

Center	<input type="checkbox"/> CYLINDER: Height: Diameter:												
	<input type="checkbox"/> CUBE: Height: X: Y:												
<table border="1"> <thead> <tr> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Flat</td> <td><input type="checkbox"/> Flat</td> </tr> <tr> <td><input type="checkbox"/> Cone: Height: Top Diameter:</td> <td><input type="checkbox"/> Cone: Height: Bottom Diameter:</td> </tr> <tr> <td><input type="checkbox"/> Dome: Height:</td> <td><input type="checkbox"/> Dome: Height:</td> </tr> <tr> <td><input type="checkbox"/> Pyramid: Height: X: Y:</td> <td><input type="checkbox"/> Pyramid: Height: X: Y:</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td><input type="checkbox"/> Other:</td> </tr> </tbody> </table>		Top	Bottom	<input type="checkbox"/> Flat	<input type="checkbox"/> Flat	<input type="checkbox"/> Cone: Height: Top Diameter:	<input type="checkbox"/> Cone: Height: Bottom Diameter:	<input type="checkbox"/> Dome: Height:	<input type="checkbox"/> Dome: Height:	<input type="checkbox"/> Pyramid: Height: X: Y:	<input type="checkbox"/> Pyramid: Height: X: Y:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:
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<input type="checkbox"/> Other:	<input type="checkbox"/> Other:												

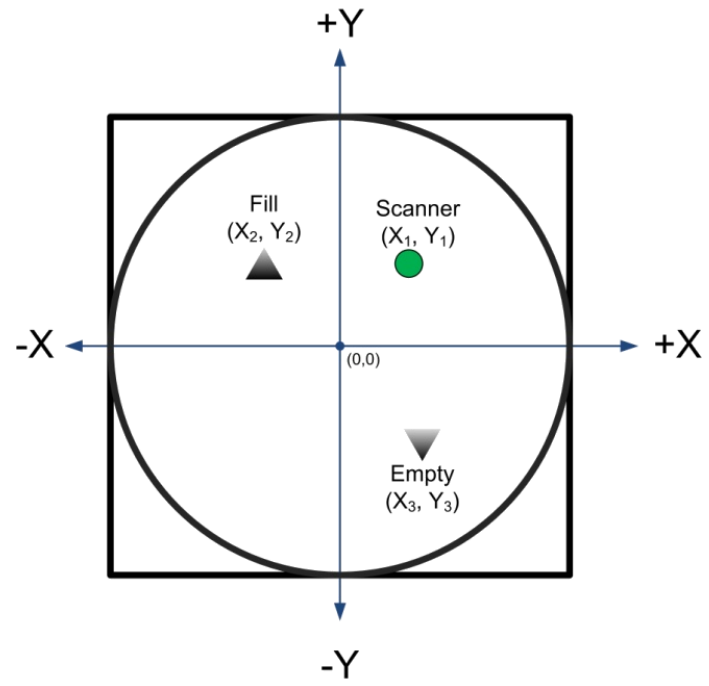
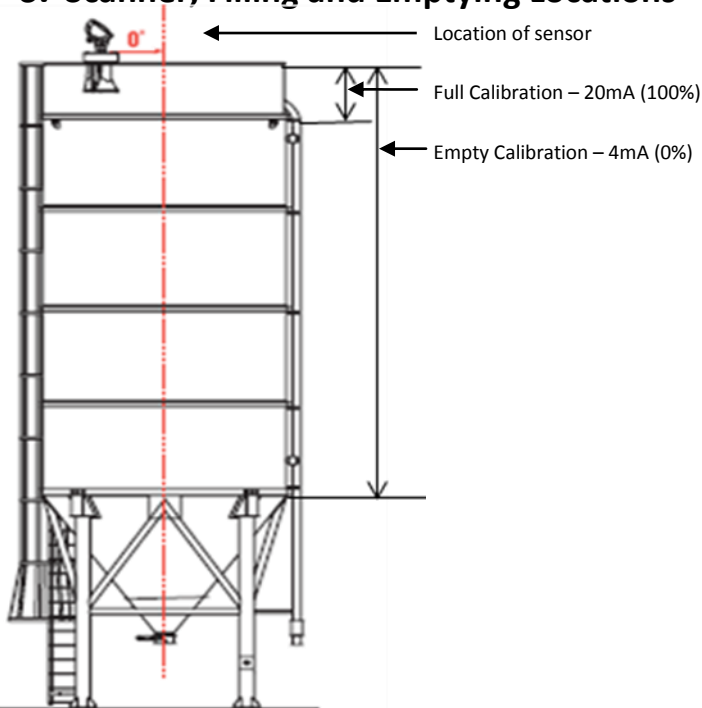


5. Filling and Emptying Processes

Filling Method: <input type="checkbox"/> Gravity <input type="checkbox"/> Pneumatic <input type="checkbox"/> Conveyor <input type="checkbox"/> Other:	Dust during fill: <input type="checkbox"/> YES, <input type="checkbox"/> NO
Emptying Method: <input type="checkbox"/> Gravity <input type="checkbox"/> Pneumatic <input type="checkbox"/> Conveyor <input type="checkbox"/> Other:	
Note: When using air pressure inside the vessel near the emptying location, the bulk density might change and effect the measurements	

Max Filling Rate: Tons/hr	Total Capacity when vessel is full: Tons
Max Emptying Rate: Tons/hr	Weight below Empty Calibration level: Ton

6. Scanner, Filling and Emptying Locations



<input type="checkbox"/> m, <input type="checkbox"/> ft	X	Y	Z	X	Y	Z
Scanner Location :	,	,		,	,	
Filling Location:	,	,		,	,	
Emptying Location:	,	,		,	,	
Full Calibration	,	<input type="checkbox"/> m, <input type="checkbox"/> ft				
Empty Calibration	,	<input type="checkbox"/> m, <input type="checkbox"/> ft				

Note: Scanner's Z position is measured from the bottom of the vessel

Note: Full/Empty Calibration Distances measured from scanner's transducers top

7. Electrical Power requirements & Signal Outputs

Power Supply Requirement	<input type="checkbox"/> 2 Wires – for 24VDC (range 20 to 36VDC)
Standard Outputs	<input type="checkbox"/> 2 wires – for 4-20mA and HART Communications
	<input type="checkbox"/> 2 wires – for RS485 (Twisted-Pair, 120 Ohm Impedance, Shielded)

Approved by:

Full Name: _____

Title: _____

Date: _____

Signature: _____

Note:



Cells enclosed with the sample on the left must be filled prior to the configuration of the 3DLevelScanner.