

ITEM OPPORTUNITY SYNOPSIS:

Supplier Scouting Number

— т		
ᆵᅵ	1.	
TECHNICAL INFORMATION:		Please describe the item application/ the end use of item.
	esc	
	Describe	
2	ວe the	
Ξ		
Ē	<u>е</u>	Provide the item number <u>if applicable</u> : (N95 Mask vs Protective Mask).
<u> </u>	ŧ	
₹	Item:	
4		
ō		
<u></u>		a. Provide dimensions / size / tolerances / performance specifications for the item.
	2. 9	a. 110 vide difficitions / 5126/ tolerances / performance specimentions for the items
	Ě	
	걸	
	na	
	₹	
	앜	b. List required materials needed to make the product, Including materials of product components, if
	Te	applicable.
	Ç	
	₹.	
	<u>ട</u>	
	<u>S</u>	
	pe	- A the and lieghts contitional and an analysis to a conduct his item? (i.e. ISO contification) And there any
	읔	c. Are there applicable certification requirements to supply this item? (i.e. ISO certification) Are there any
	Ca	applicable regulations that apply to the production of this item? (i.e. FDA regulations or EPA regulations)
	Ē	Are there any other standard requirements? (i.e. ASME Standard, IEEE Standard) Please specify.
	Summary of Technical Specifications and Performance	
	a	
	Б	
	Pε	
	Ĭ	
	na	d. Describe the manufacturing processes (elaborate to provide as much detail as possible).
	nc	
	e	
	Req	
	q	
	ire	
	Ę	
	uirements	
	ts:	f. Additional Comments:
		Is there other information that would impact the item's performance or usefulness? Please explain.

В		Potential Business Volume Estimate (i.e., # Units Per Day, Month, Year):				
USINESS						
BUSINESS INFORMATION:		Target Price / Unit Cost In	formation:			
N:	De	When is it needed by? (Immediate, 30 Days, 6 months, etc.)				
	Delivery Requirements:					
		Describe packaging requirements (i.e., individually/group packaging).				
		Where is this opportunity	/located? Is there a preferr	ed shipping proximity - if a	applicable?	
,				and to the Notice of Notice	aul:2	
Adı		How long would you like to leave this opportunity open to the National Network?				
diti		☐ 3 days	☐ 5 days	☐ 7 days	□ 10 days	
Additional Comments:		Is there other information you would like to include?				

Photos or diagrams of the item (helpful but not required).

Georgia Manufacturer is searching for an equipment designer/integrator for the following "wet process":

Product input:

- Thin ceramic tiles approximately 1"x 0.5"; one side plain other side the objective side
- Input packaging: Probably preloaded individually spaced in a tray or cassette.
- Number per tray not yet determined, but probably between 100 and 1,000.

Process room environment: Cleanroom ISO Class 6 (US Class 1,000)

Objective:

- 1. Prep tiles through successive baths, rinses and drying operations
- 2. Position tiles objective side up and feed into unit where 4 thin stripes of proprietary coatings are applied to most of the length of the tiles
- 3. Post bath and drying.
- 4. Present tiles to be robotically, individually picked for entry into a packaging operation.

Bath, rinse and dry:

- Most baths will be a soak of an hour or more of duration.
- There will be at least 4 discrete baths followed by rinse and dry stations
- Rinses will be with de-ionized water.
- Rinse and dry stations duration as necessary.
- Drying will be by convection of heated air.
- At least one bath will consist of elevated temperature low pH solution.
- At least one bath will consist of a low solids coating dissolved in a low boiling VOC
- Once stripes are coated (see 2. above) since tiles are out of the original tray, they will need to be reoriented and placed objective surface up into another tray.
- Final bath in surfactant and dry
- Delivery to packaging station

Notes:

- It will be an "in-line" operation so processes need to be designed to operate at the same number of tiles/unit time.
- Unless the VOC bath is truly isolated all areas must meet applicable electrical safety standards.
- Pilot plant and full manufacturing scale-up design will be needed and may run concurrently.

For additional information please contact:

andy.helm@innovate.gatech.edu 706-994-2927