



## Application for proposal of a Sonic Air Knife System Guaranteed to Work

### Section I. Contact Information

Company Name					
Contact For This Project					
Street Address					
City		State		Zip	
Phone		Fax			

### Section II. Part (Target) Description

Describe the part to be dried.					
What are the physical dimensions of the part?					
	Length	Width	Height	Diameter	Weight
What material is the part constructed from?					
	Plastic	Glass	Metal	Elastomer	Other
Describe the surface of the target					
	Smooth	Textured	Porus	other	
Describe the surface contour				crevices	ribbed
	protrusions	other	thru holes	blind holes	pockets
Upon request, can a sample be provided to Sonic Air Systems for evaluating the application?					

### 3.0 Method of Conveyance

How is the part conveyed?	(conveyor, other)	conveyor speed	conveyor width
conveyor type	belt	overhead	hoist
	cable		
conveyor material	chain mesh	% open area	roller diameter
	pitch		
What is your production rate for this part?	parts/ft per, minute, hour day		batch size, batches/hr
How is the part orientated on the conveyor?			
What is the direction of travel? (horizontal, vertical, other)			
Does the part rotate? (yes (rpm), no)			



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How close can an air knife be placed to the part?	
Describe any space limitations for the Sonic Air System?	

### 4.0 Performance Parameters

Material to be removed from part? (tap water, di water, coolants/lubricants, contaminants, wash solution, acids/caustics, coatings, other) (temp, % solution)	
2. What level of air filtration is needed to maintain product cleanliness? (standard 10 micron or clean room 0.30 micron)	
What method do you use to determine dryness of the part? ( none, visual, gross weight, optical scanner, other)	
What level of dryness is required? (50, 90, 95, 99 or other%)	
What section(s) of the parts need to be dried (top, bottom, l side, r side, back, all surfaces, other)	
What method of drying is currently used?	
What electrical power is available? (V, Hz, phase, amps)	
Special Motor Considerations (Premium Efficiency (PE), Explosion Proof (XP), Wash Down (WD) Other)	
Is this a wash down area? (caustic, water only, other)	
plant conditions (temp, altitude)	
Will blower be exposed to water spray?	Dirt/Debris?
Acceptable decibel level (db)	

### 5.0 Additional information

Please add any additional information in the space provided that may impact the design and subsequent quote from Sonic Air Systems. Thank you for completing this questionnaire and for selecting Sonic Air Systems for your drying needs.

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Are there any caustics in the environment?  Yes  No

Will there be any Exhausting for this application?  Yes  No If yes, please describe:

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Are they any special Filtering requirements?  Yes  No

Are there any other Safety concerns to be aware of?  Yes  No If yes, please describe:

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***Piping over 50ft will require Piping Loss calculations to determine pressure loss.***

If above information is not provided, Sonic Air Systems assumes no responsibility for performance loss, and will only issue a Budgetary design until receipt of necessary information.

