H.E.F. USA ISO 9001:2008 CERTIFIED	**Engineering Data Sheet for CLIN & PVD Applications**	TFUSA TECHNIQUES SURFACES

Contact Name:	Phone:	Date:
Company Name:	Fax:	
Address:	Email:	
	H.E.F. Representative:	

Part Information			
Part Name:	Part No.:	Qty shipped:	Projected per year:
Briefly describe function of the part:		Substrate / Base Material(s):	
Attach a print of component indicating: Please indicate surfaces that must be coated AND surfaces that must not be coated (masking required) AND critical dimensions and their tolerances.			

Performance	
OPERATING CONDITIONS	YES / NO / COMMENTS
Is temperature a factor - does the performance of the part deteriorate if its temperature keeps increasing during operations?	
Is corrosion an issue? Does the part come in contact with liquids / chemicals etc.?	
Is the part currently lubricated in any way?	
If part is currently lubricated, would lubricant reduction be a value driver. (reduced cost of lubrication, eliminate clean-up and contamination possibilities of work-piece)	
Does the part require frequent replacement due to the wear of some areas OR loss of tolerance and deterioration in the quality of the product being processed / cut / formed etc.?	
Does the part take a long time OR significant cost in terms of machine down-time to replace and/or repair?	
Approximate cost of the manufacturing / purchasing or selling price of uncoated tool or component .	

Quality Requirements
Incoming – what is to be measured and how?
Outgoing – what is to be measured and how? Is certification required? If so, what are the requirements?
Pre-coating Assessment
Where can we rack the parts? Is it acceptable to have 'bare-spots' in the coating at the rack points?
Was heat treatment the last operation? • If so, what is the last temperature and time the component was exposed to? • If not, what is the maximum temperature the component can be exposed to?
Surface finish requirements:
Is the component currently coated, welded or surface modified in any way? Does surface porosity exist on the component? If so, please provide details.
For PVD coatings please indicate coating thickness and thickness tolerance requirements, if any. For Liquid Nitriding, please indicate compound thickness requirements, if any.
Special Instructions (if any):
Performance Requirements
What are the performance goals of this component?
How and to what standards will performance tests be conducted ?
Shipping Requirements
How should this be packed? Special packaging required? Shipping Address: