

DFMA FORM 4		COMPONENTS MANUFACTURING PLAN ANALYSIS			PAGE 1/2	
Component:		Written by:			Date:	
Document number:		Approved by::			Date:	
Main manufacturing process and a brief description of manufacturing stages:					<div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center;"> Picture of the component </div>	
1 Bulk size and its availability						
Material:		Bulk size:		Quantity:		
Vendor:		Optional bulk size and material:				
2 Recognized manufacturing stages and their order of priority						
Stage 1 (figure)	Stage 2 (figure)	Stage 3 (figure)	Stage 4 (figure)	Stage 5 (figure)	Stage 6 (figure)	
Stage 7 (figure)	Stage 8 (figure)	Stage 9 (figure)	Stage 10 (figure)	Stage 11 (figure)	Stage 12 (figure)	
3 Fastening of the component during the manufacturing						
Fastening method(s):		Required turning/rotating stages or other reasons for detaching or fastening the component again:				
Principle of fastening 1		Principle of fastening 2		Principle of fastening 3		
4 Required tooling, tools, measuring equipment, jigs etc.						
Manufacturing stage	Tooling	Tools	Measuring equipment	Jigs	Note!	
1						
2						
3						
4...						
N						

5 Process and control parameters					
Manufacturing stage	Numerical values of each manufacturing process related to the material				
	Process:	Process:	Process:	Process:	Process:
1					
2					
3					
4...					
N					
6 Inspection of the component					
Manufacturing stage	Inspection methods and required quality				
	Method/ quality:	Method/ quality:	Method/ quality:	Method/ quality:	Method/ quality:
1					
2					
3					
4...					
N					
Final inspection (describe briefly the intended procedure):					
7 Evaluation of manufacturing time and costs					
Manufacturing stage	Additional time	Production time	Capital costs	Material costs	Tooling and tool costs
1					
2					
3					
4...					
N					
Total:	$\Sigma=$	$\Sigma=$			
Total time:	$\Sigma=$		$\Sigma=$	$\Sigma=$	$\Sigma=$
Additional costs:		Total costs: $\Sigma=$			
9 Suggestions to improve component's manufacturing stages based on the analysis					