

DFMA FORM 2A		EVALUATION OF UTILIZED DFMA ASPECTS OF THE ASSEMBLY	
Analyzed assembly:		Page: 1/___	Date: _____
Document number:		Written by: _____	Approved by: _____
<b>A. Overall DFMA evaluation of the assembly (Questions 1...13 in form 2A)</b>			
Guidelines: Questions 1 and 3...7 try to minimize, questions 2 and 8 try to maximize and questions 9...13 try to fix if possible			
Questions	Answer	Score	Evaluation criteria
1. How many components are included to the assembly?			>10 = - 1 point ≤ 10 = + 1 point
2. How many modular solutions are included to the assembly?			> 2 = + 1 point ≤ 2 = - 1 point
3. How many components are used only for joining something?			> 3 = - 1 point ≤ 3 = + 1 point
4. How many different joining components or different geometries for joining are used?			> 3 = - 1 point ≤ 3 = + 1 point
5. How many assembly directions are required?			> 1 = - 1 point ≤ 1 = + 1 point
6. How many different manufacturing methods (or stages) are required to manufacture the components?			> 2 = - 1 point ≤ 2 = + 1 point
7. How many production or joining methods are required during the assembly stage?			> 1 = - 1 point ≤ 1 = + 1 point
8. How many standardized components are used in the assembly?			+ 1 point/standardized component
9. Is there enough space for assembly, robot griper and tools?	<input type="checkbox"/> YES <input type="checkbox"/> NO		YES = + 1 point NO = - 1 point
10. Are there any means to compensate the possible (summarized) assembly errors? Which one?: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO		YES = + 1 point NO = - 1 point
11. Is the principle of "product families" applied?	<input type="checkbox"/> YES <input type="checkbox"/> NO		YES = + 1 point NO = - 1 point
12. Are the ergonomic aspects of the assembly work taken into consideration?	<input type="checkbox"/> YES <input type="checkbox"/> NO		YES = + 1 point NO = - 1 point
13. Are the overall accuracy requirements of the assembly balanced with the tolerance requirements of each individual component?	<input type="checkbox"/> YES <input type="checkbox"/> NO		YES = + 1 point NO = - 1 point
Total scores of the overall DFMA evaluation	Σ <sub>overall</sub> =		
<b>NOTE: TO BE CONTINUED BY COMPONENT ORIENTED ANALYSIS</b>			