

## Master's Thesis Assessment Reviewer's Report

Student's name:  
Bc. Renáta Horváthová

MT Reviewer:  
Ing. Denisa Ferenčíková

Acad. year:  
2012/2013

MT topic:

Implementation of Lean Production Elements in Assembly Line at the Company Greiner Assistec, Ltd.

Assessment criteria		Points (0 – 10)
1	Thesis Topic Difficulty	9
2	Meeting Thesis Objectives	10
3	Theoretical Background	8
4	Practical Application (Analysis)	10
5	Practical Application (Solution)	8
6	Formal Level	9
<b>TOTAL POINTS (0 – 60)</b>		<b>54</b>

### Definition of assessment criteria:

POINTS	VERBAL DESCRIPTION
0 points	<b>unsatisfactory</b> corresponds to an “F” on the ECTS grading scale
1 – 2 points	<b>sufficient - meeting basic requirements only</b> corresponds to an “E” on the ECTS grading scale
3 – 4 points	<b>satisfactory - with significant but not crucial insufficiencies</b> corresponds to a “D” on the ECTS grading scale
5 – 6 points	<b>good - insufficiencies do not substantially affect the entire work, especially the results</b> corresponds to a “C” on the ECTS grading scale
7 – 8 points	<b>very good - fulfilled without reserve</b> corresponds to a “B” on the ECTS grading scale
9 – 10 points	<b>excellent - outstanding performance</b> corresponds to an “A” on the ECTS grading scale

### **Comments:**

Presented master thesis includes excellent, outstanding work. Student used a lot of various expert methods to provide a high quality and complex solution for solving defined problems. I also praise the fact that student used a lot of software tools for designing and verification of proposed solutions. I miss only the evaluation of the project with all expected benefits. The chapter no. 11 includes only the evaluation of expenses, no measurable benefits are calculated. Theoretical part is fulfilled without any reserve at the standard master thesis' level.

### **Questions for the defence:**

1. Production process in greiner assistec is quite complicated including a lot of various variables. You decided to use Plant Simulation for verifying proposed solutions. How difficult was to model the real situation using this software tool and which problems did you face during the modelling process?
2. Can you calculate and present some measurable benefits that your project brought to the company?

The thesis meets the criteria for the defence of the MT.

The thesis does not meet the criteria for the defence of the MT. (At least one criterion assessed by 0 points.)

Zlín: 30<sup>th</sup> of august 2013

-----  
MT Reviewer's signature

## **Assessment instructions:**

### **Criterion 1. Thesis Topic Difficulty (0 – 10 points)**

This criterion assesses the originality of the topic, its relation to the given degree course, the complexity of the analyzed issue, the demand on theoretical and practical information sources, absence of usual solution, unavailability of solution for the conditions studied.

### **Criterion 2. Meeting the Thesis Objectives (0 – 10 points)**

Criterion 2 assesses the fulfilment of thesis assignment based on defined objectives, which must be included in the introduction. The defined objective shall correspond to the required demand factor of the thesis.

### **Criterion 3. Theoretical Background (0 – 10 points)**

This part assesses primarily the choice of theoretical disciplines and their possible application in the solution, share of knowledge gained during the study as well as study of special literature and other information resources. It also reviews the level of quotations. The theoretical background shall not include knowledge which is not used in the practical application. Extent of literature, its topicality, use of foreign literature and pivotal works, application in the thesis, discussion of alternative views, analysis of the quotations used, synthesis of theoretical knowledge and consequences for the work. Literary review shall be duly processed both methodically and formally, including proper quotations and references to bibliography.

### **Criterion 4. Practical Application (Analysis) (0 – 10 points)**

It assesses the level of topic analysis, the connection of analysis to the set aims, the use of theoretical knowledge for the problem analysis. This evaluation will take into account the difficulty of obtaining information, student's approach and his/her ability to draw logical conclusions from the analysis as the standing point for resolving part. The Master's thesis contains an accurate description of the methodology used, whereas this methodology is appropriate for meeting the objective. Discussion on the chosen methods and comparison with other approaches, the possibility to verify the methods outcomes, application accuracy of chosen methods, adequate sampling, treatment of errors and shortcomings of methods, comparison of findings using multiple methods, rationale for deviations.

### **Criterion 5. Practical Application (Solution) (0 – 10 points)**

This criterion assesses the factual level of problem solving, achievement of set objectives, addressing the continuity of the resolving part with the analytical one. Further, the logical structure of problem solving or preconditions for its verification is evaluated. Criterion 5 is also aimed at the overall level of cohesion of the theoretical background and practical application, the accuracy of the conclusions derived, unambiguous wording, adequacy, generalization of findings, applicability of recommendations, reasons for suggestions and their impacts.

### **Criterion 6. Formal Level (0 – 10 points)**

This part assesses the level of graphic design, grammatical level, chosen wording, and the overall level of expression. Further is evaluated the appropriate structure, logical sequence of text, correct terminology, definiteness and clarity of graphic layout, the language level.