

I. IDENTIFICATION DATA

Thesis title:	Partial Vacuum Application for the Workpieces Manipulating
Author's name:	Omar Al-Rayes Faisal Osama
Type of thesis :	bachelor
Faculty/Institute:	Faculty of Mechanical Engineering (FME)
Department:	Department of Instrumentation and Control Engineering
Thesis reviewer:	Ing. Filip Škeřík
Reviewer's department:	Festo Didactic

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>How demanding was the assigned project?</i>	
Student had to fulfill upon the tasks given without any practical exercises during his study under these difficult conditions.	

Fulfilment of assignment	fulfilled
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
All points of the assignment have been fulfilled.	

Activity and independence when creating final thesis	A - excellent.
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
Student worked independently with the materials recommended and consulted regularly the steps necessary.	

Technical level	B - very good.
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
Students has processed the large topic into comprehensive resulting document. Maybe one yet more complex example could be added there.	

Formal level and language level, scope of thesis	B - very good.
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
Formalisms and notations are used properly. Thesis is organized in a logical way.	

Selection of sources, citation correctness	B - very good.
<i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	
Student used well recommended resources. Citations are in the accordance with the valid standards.	

Additional commentary and evaluation (optional)
<i>Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.</i>
Student has learned new and very useful topic of Vacuum technology through the individual study of the materials recommended and he has devoted a lot of time to debugging of all examples. This work is one of the first upon this topic processed in our Institute.



III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

Summarize your opinion on the thesis and explain your final grading.

Student has prepared in his bachelor work very nice set of examples from the area of the vacuum technology. It could be very useful tool for other students too.

The grade that I award for the thesis is **B - very good**.

Date: **24.8.2021**

Signature: *Marie Martinásková*