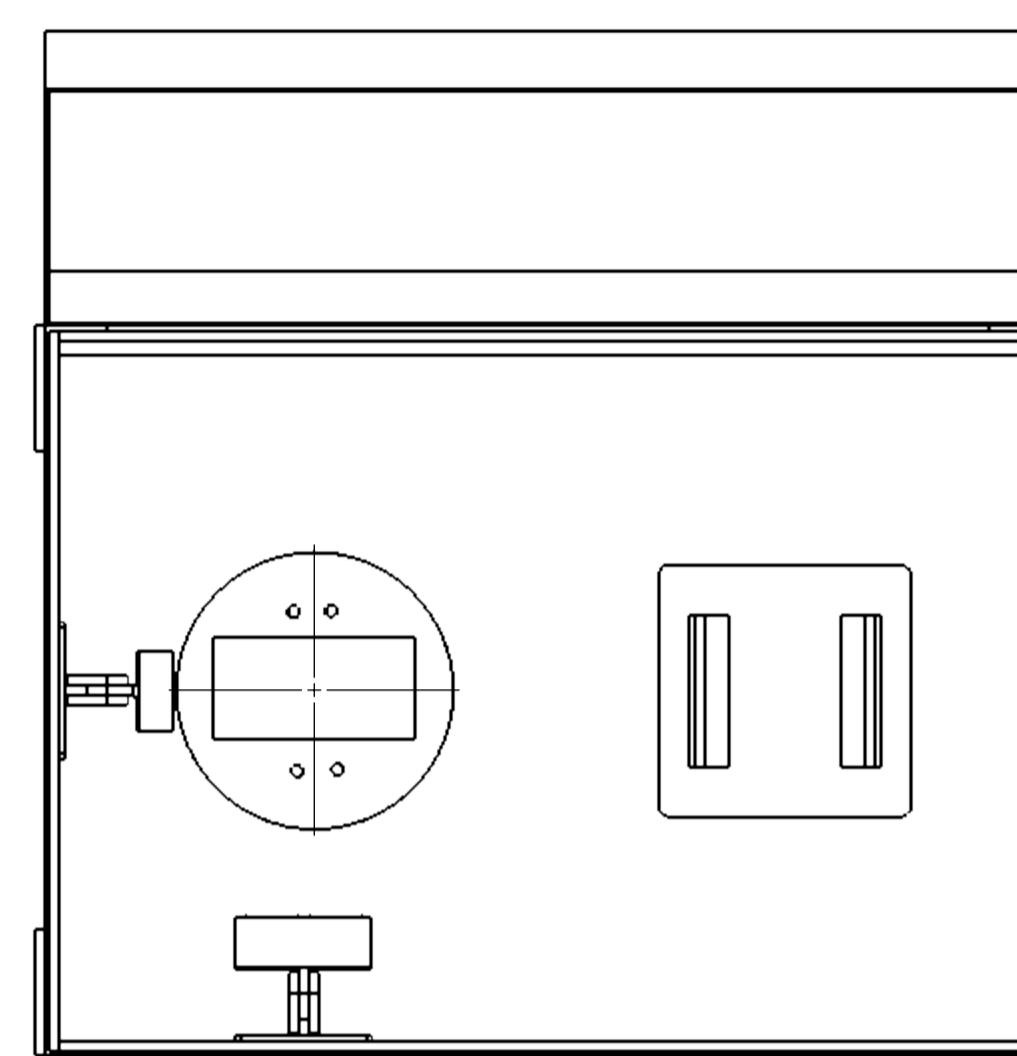


16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

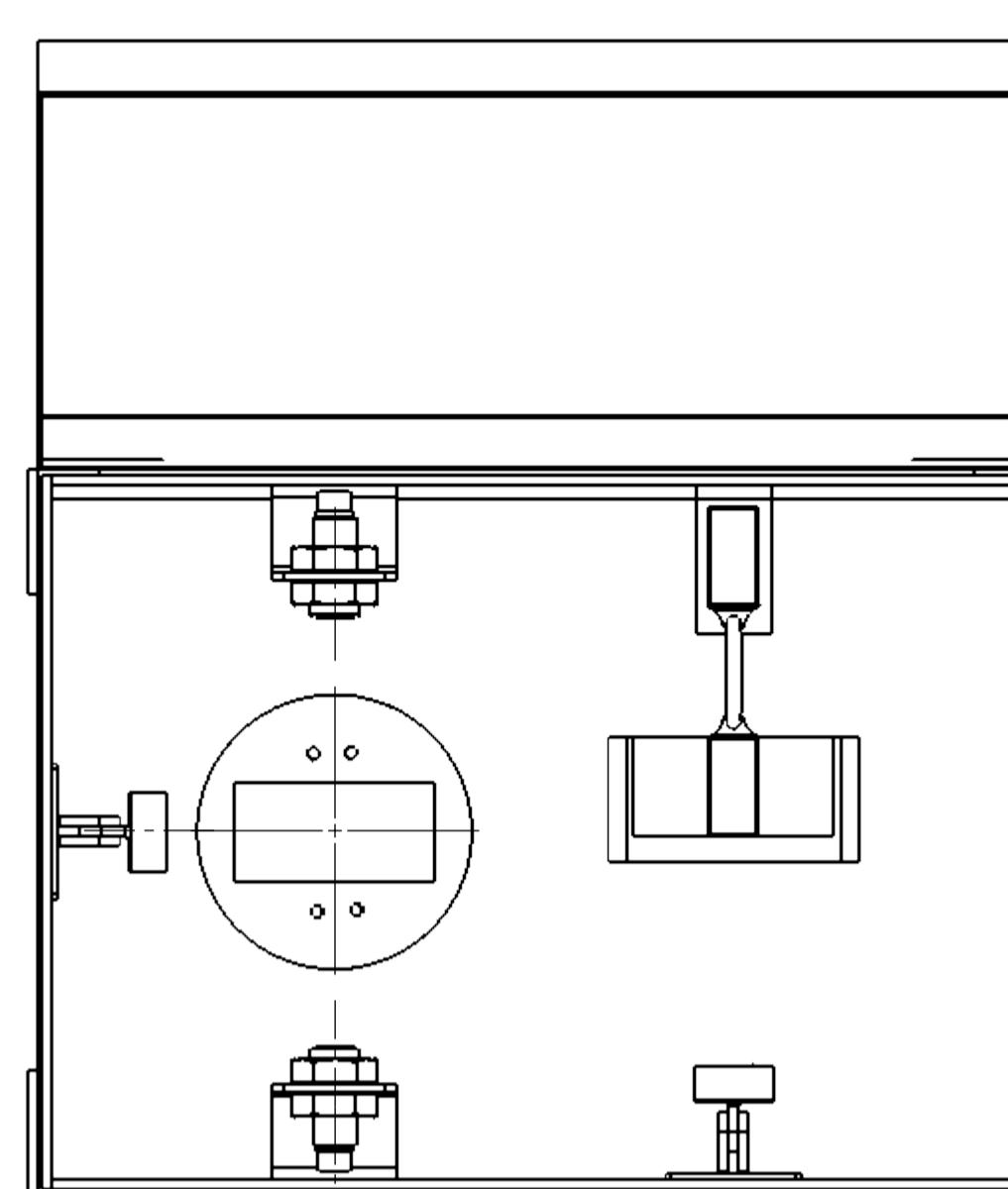
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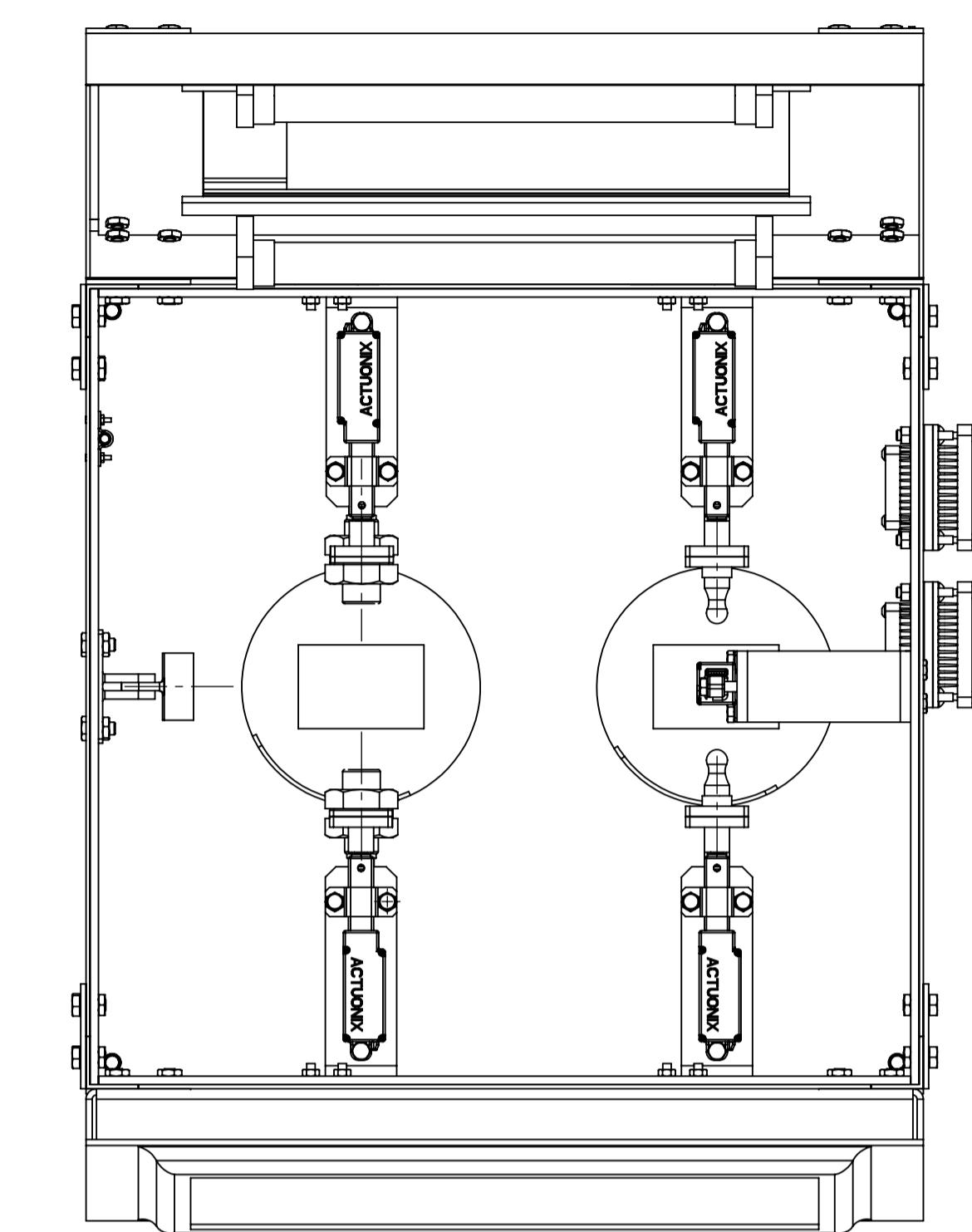
Version 1



Version 2



Version 3



Comparison of the Design Version

Feature	μ	Version 1	Version 2	Version 3
Measurement accuracy	1.0	1	1	3
Air effect for ultrasound measurements	0.8	1	1	3
Force application system	1.0	1	2	3
Deformation measurement quality	0.9	1	2	3
Portability	0.5	1	2	2
Complexity of manufacturing	-0.7	2	2	1
Image based analysis	0.5	1	2	2
Manufacturing cost	-1.0	1	2	1
Total		3.1	8.8	13.1

$$\text{Total} = \sum [\mu(n) \times \text{Score}(n)], (n=\text{Considered feature})$$

Coefficient (μ) from -1 to +1

-1 = Considered feature increases the probability of failure and decreases the operational behaviour and manufacturing effectiveness of the device.

+1 = Vice versa of (-1)

0 = Considered feature has no effect

Evaluation from 0 to 3 (Score)

Maximum mark 3 is given if a specific design version performs the best with respect to the considered feature. Other versions are evaluated with respect to the version with the best performance.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: UNLESS:			FINISH:	DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING	REVISION
						Riga Technical University	
DRAWN:	S. M. Jaya Wickramasinghe	CHKD:	Aleksis Totoranovs	CHKD:	Hermann Sondaks	APV/D:	Juris Delfjans
Q.A.	Nicole Burtovska					MATERIAL:	
						DWG NO:	
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						SCALE:1:4	
						SHEET 1 OF 1	