



STEM for Inclusive Schools

WP2 – Activities

Worksheet – The Influence of the Choice of Technological Bases on the Machining Accuracy in Milling

Engineering (August 2024)

“Dunărea de Jos” University of Galați

Project Title: STEM for Inclusive Schools

Acronym: STEMInSCH

Reference number: KA220-NW-23-30-151162

Project partners:

- P1 University Paderborn (UPB), DE
- P2 Universitatea “Dunărea de Jos” din Galați (UDG), RO
- P3 Școala Gimnazială Nr. 7 Galați, RO
- P4 Siec Badawcza Lukasiewicz - Instytut Technologii Eksploatacji, PL
- P5 Inovatif ve Girisimci Toplum Dernegi, TR
- P6 Sucessos Criativos, Lda, PT



Worksheet for the Activity:

The Influence of the Choice of Technological Bases on the Machining Accuracy in Milling

name of the activity

Task description: Understanding the influence that technological bases have on the machining precision of milled surfaces.

Time to finish the task: 2 hours

Supplies:



Fixing devices.

Parts processed by milling.

Method:



The dimensions of machined parts will be measured.



Instructions:

To ensure the position of the surface to be machined on machine tools, the parts are fixed on the machine table or in a device that ensures a controlled position relative to the cutting edges of the tool and the direction of advance.

This position is ensured by the technological bases, which can be:

- setting bases;
- guiding bases;
- support bases.

Your Group name:



Write the names of your group members in the box:





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Co-funded by the
Erasmus+ Programme
of the European Union



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Graphics and Tables:

Fill in the table 1:



Part number	The values of the measured quantities		
	L	D	δ_D
1			
2			
3			