

## Research of Application Possibilities of Selected Mechanically Alloyed Metal Powders

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**Paper is interested in the study of basic theoretical knowledge from the problems of preparation of nanoparticles and microparticles and their mechanical synthesis. Also, the possibility of producing of new materials by mechanical alloying of metal powders evaluation of these newly created materials from the point of morphology and surface condition, as well as physical (eg. electrical charge) and chemical (surface treatment).**

**Keywords:** Mechanical joining, mechanical alloying, mechanical milling, morphology, surface condition, particle, grinding medium, grinding vessel.

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