

ABSTRACT

The diploma project is executed on pages and contains 11 figures, 3 tables and 3 posters A1.

The aim of this diploma project is the research and development of electric disc mill, development of skills.

To achieve this goal decided the following main objectives: Analytical review features of the disc mill, made the power calculation and selection of the motor of the disk mill, the calculation of the basic elements of the power section of frequency converter designed and researched system frequency motor control, the issues of occupational health and safety.

Calculation and realization of the diploma project were provided by the use of these programs: MATLAB R2010b, Microsoft Office Word 2010, Microsoft Office Visio 2007.

DISK MILL, INDUCTION MOTOR, FREQUENCY CONVERTER,
SYNTHESIS, SIMULATION.

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<i>Chan</i>	<i>Sh.</i>	<i>№ docum.</i>	<i>Sign</i>	<i>Date</i>				
<i>Designed</i>		<i>Fedorenko A.S.</i>			<i>Electromechanical automation systems of disk mill</i>	<i>Liter.</i>	<i>Sh.</i>	<i>Scale</i>
<i>Checked</i>		<i>Dymko S.S.</i>				7	68	
<i>R. Control</i>						<i>NTUU «KPI» FEPEA gr. ED-21</i>		
<i>Approve</i>		<i>Peresada S. M.</i>				<i>Abstract</i>		