

SUMMARY

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Master's graduation thesis "Research of splines forming process on spline milling machine with a workpiece rotary drive development"

Master's thesis includes: 155 pages, 60 formulas, 23 tables, 31 drawings, 2 appendixes, 45 references. Drawings are presented on 11 sheets.

Aim of research – to study the splines forming process and spline external surface accuracy taking into account their machining conditions.

Object of research – headstock

Subject of research – accuracy parameters of forming by operating devices of spline milling machine

Methods of research – method of "final elements"

The machine tool updating based on research of the tool kinematic accuracy at splines forming to provide steady operation accuracy without complementary errors occur during machining is substantiated in the paper.

The paper essence is presented by drawings and explanation notes. Drawings contains all necessary design and technological developments. All necessary technological, design and economic calculations are given in the explanation notes.

Key words: splines forming, spindle, accuracy, final element.