

SUMMARY

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Stryzhak I.I. Loading simulation of interlocking mills for CNC on vertical milling machine facets / I.I. Stryzhak. – Ternopil: TNTU, 2014. – 183 p.

Objective: Development of structural elements and vertical milling machine load modeling method finite element modular mills for processing facets.

Object of research - Vertical milling machines and CNC milling process operation teams.

Subject of research - The quality of operate special modular mills for processing facets.

This paper analyzes details for manufacturability. Your workpiece. The optimum process. A selection metalobrobknoho equipment. Calculated cutting conditions, allowances and standard time. The structural-kinematic and kinematynu schemes machine. The calculation shyndelya for rigidity. Proposed and justified design mounts the cutting plate mills.

Key words: machine tools, mills, trim, plate, quality, finite element method, load.