

ABOUT STRUCTURE OF THE MAIN LINKAGES ON COLD FORMING MACHINE-TOOLS

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Abstract: In certain machine-tools two or more main motions can be identified, operating simultaneously or in sequence, driven independently or not, being in most cases of the same nature and correlated. The directions of the main motions may coincide or not.

Regardless of the type of drive and the nature of the main motion, the association of two or more main linkages of a cold forming machine-tool is achieved in the same mode as the association of linkages of cutting machine-tools: series, parallel and series-parallel.

By stressing that the composition and association modes of cold forming machine-tool linkages are mainly identical to those applied in cutting machine-tools, the paper argues by this aspect too, the cold forming machine-tools belong indisputably to the wide and diverse class of machine-tools.

Key words: cold forming machine-tool, main motion, linkages.