

MACHINE RELIABILITY MANAGEMENT SYSTEM

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Quality management of machines is the establishment, provision and maintenance of a given level during design, production and operation, carried out through systematic control and purposeful influence on conditions and factors that affect quality [1]. It is important to replace individual and separate measures with their complex, which ensures a given level of quality at all stages of development, manufacture, operation and repair of machines (Fig. 1).

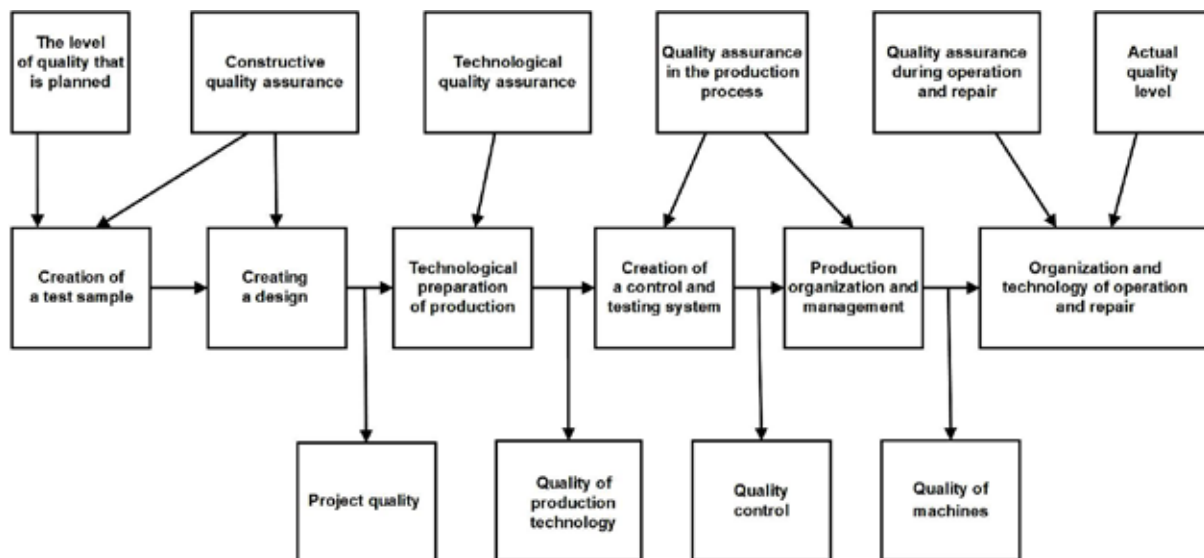


Fig. 1. Stages of creation and operation of machines

The comprehensive system of quality management of agricultural machinery involves work in three areas [2] of quality management:

1) during production and major repair of products and during maintenance (organization of attestation of repair products, improvement of technical level, improvement of technology, improvement of labor productivity, organization of control over the progress of technological processes, improvement of qualifications and organization of training of workers in progressive methods of improving the quality of work based on more full and rational use of material and labor resources, implementation of scientific and technical achievements, application of modern methods of collecting information on product reliability);

2) at the stage of storage and transportation, it is carried out by creating conditions for storing products in strict accordance with the requirements of national standards of Ukraine and technical terms, compliance with loading and unloading conditions, assembly of complex machines;

3) diagnostics and maintenance are carried out during operation.

References.

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