Abstract:
Taking care of entrepreneurs for full compliance of the products with the requirements and expectations of the customer and the relevant regulations and standards begins in the product design phase. The next important step is to design manufacturing technology. The result of this process, together with the criteria relating to the assessment and acceptance of the results of each operation is a quality plan. The subsequent results of the products realization depend on the awareness of entrepreneurs and their serious approach to quality planning. This article is an example of a tabular quality plan for the production of housing of cylinder head milling machines for the metal. It is the result of a project realized for the machines production company. It has developed the table form, which was completed in cooperation with a technology team and based on existing technology cards. The article includes a fragment of a quality plan covering various manufacturing operations of the machine production. The example of a quality plan to produce the parts machine confirms that it is possible to clearly identify the different stages of production with a guarantee which the company declares its customers. It can be proved that the production takes place in supervised conditions. There were also specified the necessary human and technical resources, documentation and records and most of all space and criteria of measurement and sizes relating to the acceptance or rejection of results of production stages.

components namely housing of the cylinder head. Housing is a part of the machine, which is the housing binding into one whole its components and assemblies. It is an integral part of each mechanism. The task of the housing is to keep the parts and assemblies in specified mutually. An example of a quality plan for production of parts of a machine confirms that it is possible to clearly identify the different stages of production with a guarantee that the company declares its customers.

A milling machine is a machine tool that removes metal as the work is fed against a rotating multipoint cutter. The milling cutter rotates at high speed and it removes metal at a very fast rate with the help of multiple cutting edges. One or more number of cutters can be mounted simultaneously on the arbor of milling machine. The principal parts of a column and knee type milling machine are described as under. Base It is a foundation member for all the other parts, which rest upon it. It carries the column at its one end. The use of the machine is limited to production work only and is considered ultimate in metal removing capacity. Special Type Milling Machines Milling machines of non-conventional design have been developed to suit special purposes.