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WOOD PROCESSING TECHNOLOGY AND PRODUCTION OF WOOD PRODUCTS

Wood is an unusual and especially valuable material. For all his familiarity, he has an excellent set of technical and physical characteristics, which a person cannot repeat with the help of synthetic substitutes. This is the reason for the widespread use of blanks made of this material in various industries.

Modern technologies for wood processing and the production of wooden objects in general make it possible to provide people with furniture, building materials, decorations, utensils, etc. Carpentry still requires certain skills and talents from performers – only in this case., the manufacturer can create a truly valuable product.

The modern wood processing industry works with different blanks, which differ in output, technical, functional and aesthetic characteristics. It can be traditional species and exotics such as oak and pine - wenge, morado, Rose Tree, etc. Directly in Russia, about 30 species are in demand, most of them find their place in construction in one form or another. Nevertheless, each industry has its own requirements for blanks, which also determines the division of wood into classes. Classification of material for processing, in particular, according to the qualitative state of the structure:

The workpiece has an uneven color and layer pattern. There may be partial defects and defects such as nodes, but they are not fundamental to reliability from the point of view of the intended application. Another thing is that the commodity category of products made from such a tree will be low.

In addition, there are uneven coloring and small defects on the surface. With proper processing, the manufacturer can get a material suitable for appearance, but there is no need to rely on high decorative properties.

Smooth, hard and naturally colored blanks that are in a suitable position for almost all types of processing and subsequent directions of use. Restrictions are determined only by the characteristics of the tree species to which the workpiece belongs.

Not immediately from forestry materials are sent to the production of natural products. Until this point, the logs go through several stages of special preparation, during which semi-finished products are formed, which are necessary for specific tasks. Depending on the type of wood processing provided for at the stage of primary processing of raw materials, the following blanks can be obtained:

round wood;
boards;
shpon;
nur.

Preparation operations in most cases mean cleaning and sawing in several ways, but depending on the requirements for semi-finished products, protective and protective operations can also be carried out using chemical impregnation, varnishes and paints. However, the chemical methods of exposure to Wood blanks will be discussed below.

Approaches to processing blanks from wood raw materials cannot be changed against the background of an ever-increasing demand for final products. Requirements are not only in the

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construction industry, where to increase, we are talking about responsible building materials, but also in the household segment. Even small decorative and furniture items have to withstand the stiff competition on the market today, which forces manufacturers to look for more efficient ways to process wood.

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