

THE THREE-DIMENSIONAL SHAPING OF THE BRAKE PUMP WITH DOUBLE CIRCUIT USING INFORMATICAL SYSTEMS OF DESIGN

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Abstract: The paper seeks to briefly present the advantages of the design method through generating the parameter assigned model which automatically leads to the 2D reference material being obtained. In order to exemplify this, a brake pump with double circuit was used making use of the superior capacities of three dimensional generations and 3D visualization of the 2008 version belonging to the Mechanical Desktop 2008 technological design soft within the Autodesk Inventor Suite 2008 pack. At this time, according to every country's technological level, the design is made either assisted by a computer or in the classical manner. As far as the assisted design is concerned, there is a great variety of software to be used, ranging from software specialized on design domains to design solutions of great complexity and output. World-wide, the design practice certifies more classifications of soft's depending on their spreading area, the performances of carrying out projects, the facility of performing changes. The solution chosen for exemplification in the present paper is one superior to the well-known platform called AutoCAD, which is separated from the others through the reciprocal correspondence between the shaping medium and the drawing one.

Key words: CAD/CAE, Autodesk, 3D.