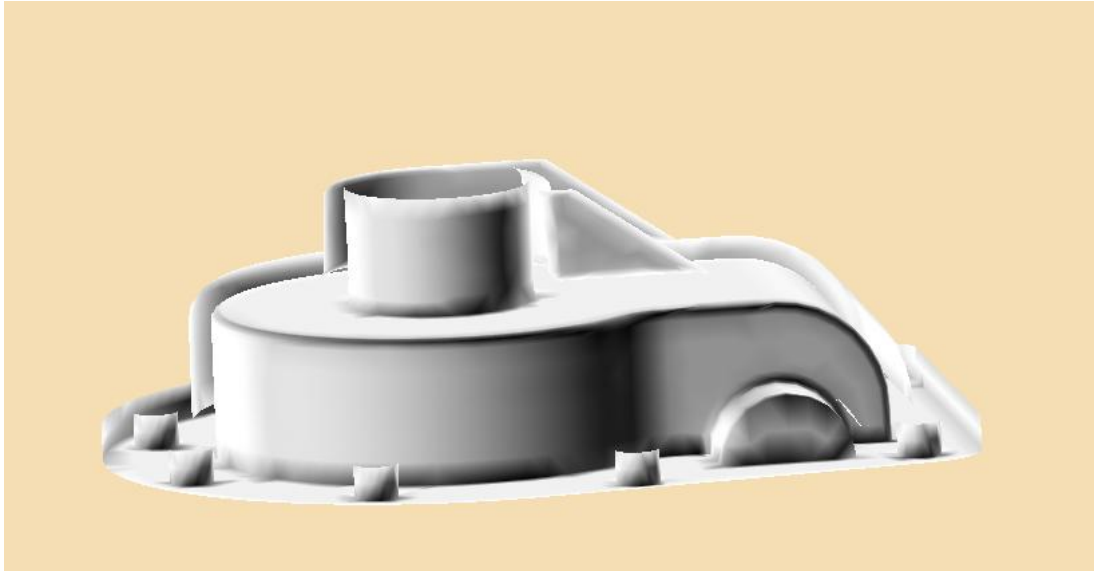


ProKLT 3D Measurement and Rendering System

ProKLT (Promod Camera Laser Scanner), is a hardware-software based solution developed for 3D measurement needs. ProKLT can generate high resolution 3D profiles in short time with non-contact methods and gives its measurements. ProKLT, as well as measuring standard values like volume, surface area and dimensions, can evaluate the object based on a predefined model. ProKLT differs from its 2D-measuring counterparts in its capability of measuring net depth, thus it can determine details that 2D systems fail to do so.

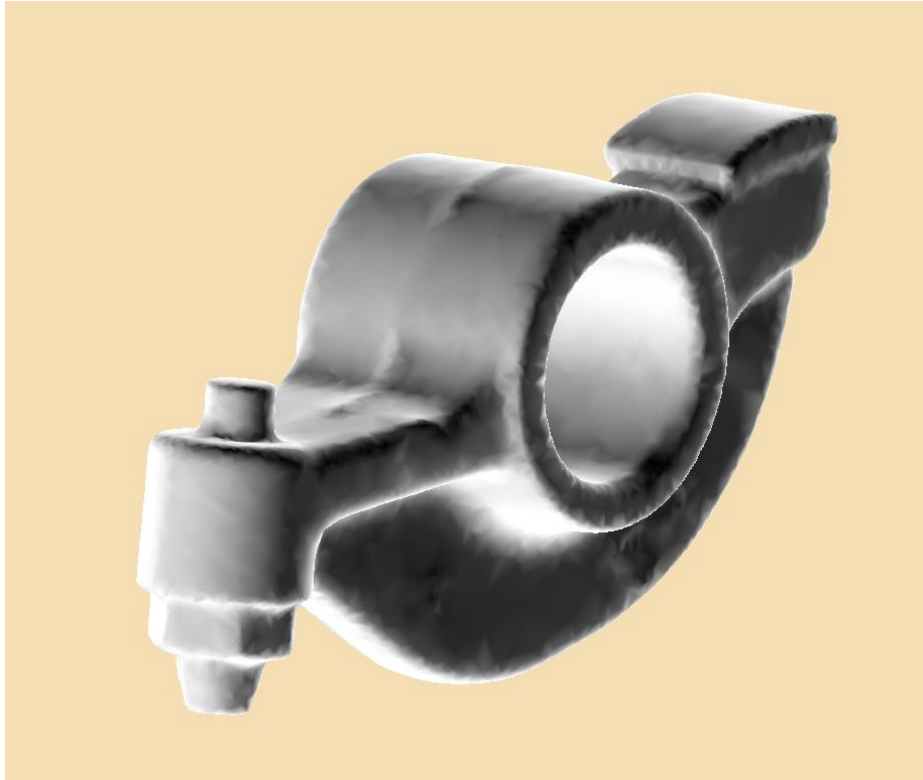


3D Model

The main purpose of ProKLT is to provide means to check the products on production lines and quality control applications; therefore it designed to withstand the environmental conditions and not to slowdown production lines. Beside production lines, ProKLT can be used in numerous fields, like prototyping, corrosion analysis and classification.

User first defines the measurement style in ProKLT system. ProKLT then, reflects laser beams to surface that is to be analyzed in predefined time intervals or when user makes input and captures its image with synchronized cameras. Process is completed under a second and ProKLT builds up 3D profile of the object, then it completes the measurements defined by user.

Constructed 3D profile can be used as it is or critical values can be stored for future use. These critical values can be used for quality and classification purposes when needed, or can be used to determine production defects and corrections.



3D Model

ProKLT is flexible and can be modified for application size; thus it can analyze small objects as well as big ones like airplane props, car doors. The software provided with ProKLT is also flexible for all measurement needs. As a result of that, ProKLT is presented to satisfy the user's all possible requirements on measurement. ProKLT has flexibility, speed and precision which make it possible its integration to automation systems seamless.

ProKLT improves production quality and decreases losses in production lines. ProKLT presents unique opportunity to manufacturers in reducing costs and increasing chance to compete with others.

To discuss how ProKLT could be integrated to your system with Promod engineering team

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