

Technology of Perspective Scanning Methods for Realization of 3D Models of Manufacturing Devices

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This article provides perspective into creation of virtual 3D models of manufacturing devices and optimization of existing machine tools by using an alternative scanning device and freeware software applications (open source elements). This alternative offers scans of components surfaces that are from the viewpoint of precision and quality comparable with much more expensive devices. Various parts of the paper describe the process of creation of the environment with the use of Kinect scanner device and various software tools. At the end an additional options are provided for using with sensing device.

Keywords: 3D scanner, digitization, Kinect device

Acknowledgements

Ministry of Education, Science, Research and Sport of SR supported this work, contract VEGA No. 1/0032/12, KEGA No. 002TUKE-4/2012 and ITMS project 26220220125.



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Paper number: M201239

Manuscript of the paper received in 2012-09-21. The reviewer of this paper: *Josef Chladil*.
