

A platform designated for interactive metrological analyzes corresponding to the Industry 4.0 concept enabling robotic laser digitization of surfaces at the macro scale.

Description of the project:

The project covers the implementation of innovative technology aimed at expanding the offer by adding new services connected to automatic image analysis. The procedure is to be realized thanks to usage of an industrial robot and improvement of hitherto services. The following devices were purchased as part of the project: measuring system designated for laser digitization of the surface together with measuring software and a robot, measuring cell, cameras for non-technological innovation, workstation (specialized computer) and software designated for remote work.

This innovative service (product innovation) involves the application of an image transfer system and contact with the recipient. It is to enable interaction between the remote user and the measuring system (a solution not yet used in the world). As a result of the project, new measurement services were introduced to the offer connected to the automatic analysis of the image of the object obtained after combining many scans from various positions in which the arm of an industrial robot is placed. The aforementioned services are significant from the perspective of industrial users searching for new and better techniques for analyzing the quality of their products.

What is more, the project enabled the improvement of services which have been provided so far, such as: 3D scanning and 3D data processing, work in automatic and robotic mode, in the case of serial and mass orders such mode of working provides time and metrological benefits.

Detailed information:

Beneficiary:

ITA sp. z o.o. Sp. K., Poznan

Program:

WRPO 2014+

Fund:

European Regional Development Fund

Total value of the project:

PLN 799 500,00

EU contribution:

PLN 292 500,00

