

Ceramic Products. Innovative Operations of Non-Destructive Testing

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key words

quality, reliability, non-destructive testing, innovative approach, management decisions, production organization, military-industrial complex

We have considered an innovative method for improving the production of ceramic products for the military-industrial complex, developed by specialists of A.G. Romashin OSPE Technology. Traditionally, the manufacturing process of ceramic products was controlled by the quality control department by visual inspection, as a result of which products with surface defects were often allowed for further production. The company's specialists have created an innovative method of visual-optical non-destructive testing, which made it possible to detect defects that are much smaller than visual inspection with a high degree of probability. The combination of science and production in one complex helped the employees of OSPE Technology to quickly find a new solution without resorting to the use of the open innovation model, significantly reduce costs and most effectively introduce innovation into the science-intensive and specific process of manufacturing ceramic products. The novelty and originality of the developed technique is confirmed by the received patents for the invention of the Russian Federation dated 24/08/2020 N 2746674 and dated 13/01/2022 N 2764064.

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