

# Control of electrochemical dimensional processing on the basis of synergy of controllable factors

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## Abstract

© Published under licence by IOP Publishing Ltd. The article considers the factors that influence the electrochemical dimensional processing, which have synergistic connections. It is revealed that the size of the interelectrode gap is of great importance for ensuring the quality of processing, and methods for adjusting the gap during processing are proposed.

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## References

- [1] Akhmetov I D, Zakirova A R and Sadykov Z B 2017 Management of processes of electrochemical dimensional Processing <http://iopscience.iop.org/article/10.1088/1757-899X/240/1/012002/pdf> - ref-separator -
- [2] Akhmetov I D, Zakirova A R and Sadykov Z B 2017 The analysis and selection of methods and facilities for cutting of naturally-deficit materials <http://iopscience.iop.org/article/10.1088/1757-899X/134/1/012002/pdf> - ref-separator -
- [3] Gritsjuk Vasilij Grigor'evich (RU), Smolentsev Vladislav Pavlovich (RU), Nekrasov Aleksandr Nikolaevich (RU) and Revin Aleksej Stepanovich (RU) Electrochemical treatment process <http://www.freepatent.ru/images/patents/191/2277034/patent-2277034.pdf> - ref-separator -
- [4] Akhmetov I D, Zakirova A R, Sadykov Z B and Khafizov I I 2017 New electrode-tool for the combined kerf of electrically conductive materials IOP Conference Series: Materials Science and Engineering 240 012003
- [5] Khafizov I I and Galimov A N 2017 IT-strategy and major aspects of quality management on the market of goods and services IOP Conference Series: Materials Science and Engineering 240 012038
- [6] Khafizov I I, Saveleva T N and Lyubtsov V S 2017 Estimation of parameters of charge carriers in dielectric materials by CELIV method IOP Conference Series: Materials Science and Engineering 240 012040
- [7] Khafizov I I 2017 Ways of decrease in the material consumption in case of their separation by the combined methods IOP Conference Series: Materials Science and Engineering 240 012037
- [8] Khafizov I I 2016 Economic efficiency and effectiveness of ways of separating materials electro diamond processing IOP Conference Series: Materials Science and Engineering 134 012014
- [9] Khafizov I I and Nurullin I G 2017 Product quality as the main factor of increase of competitiveness (on the example of JSC «Kazan helicopter plant») IOP Conference Series: Materials Science and Engineering 240 012039