BUILT AND DESIGN OF ELECTROCHEMICAL GRINDING MACHINE

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ABSTRACT

At the moment if want to make an easy profile to the surface of the work object most people still used the conventional grinding machine. When we used the conventional grinding machine, possibly in its execution could take up a long time, could cause distortion to its surface, etc.

With used electrochemical grinding we could cover these losses and added the surplus as its execution was more fast, can be used to all conductive work object type, etc.

As for data result of the following simulation :

• MRR of Conventional Grinding : 18 mm³/min  
• MRR Electrochemical Grinding : 105 mm³/min

Keyword: electrolyte, conductive grinding wheel, power supply