Determination of Maximum Follow-up Speed of Electrode System of Resistance Projection Welders - DTU Orbit (15/12/2018)

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The maximum follow-up speed of electrode system represents the dynamic mechanical response capacity of resistance projection welding machines, which is important to make the difference from one machine to the other and to consider the individual behavior of machines in designing or optimizing the weld process settings for the stable production and high quality of products. In this paper, the maximum follow-up speed of electrode system was tested by using a special designed device which can be mounted to all types of machine and easily to be applied in industry, the corresponding mathematical expression was derived based on a mathematical model. Good accordance was found between test and model.

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