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## RELEVANT DESIGN ISSUES OF ROTARY MICROMOTORS AND THEIR APPLICATION TO ROBOTIC MICROSYSTEMS - REVIEW

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**Abstract.** This paper reviews the most relevant aspects of rotary micromotors design concerning their potential usage on microrobots. After a brief historical introduction the main aspects regarding rotary electrostatic and electromagnetic micromotors design and manufacturing are presented, followed by the main research results on this subject. A description of a microrobot powered by electromagnetic micromotors is also presented. The main challenge now is the large scale implementation of the laboratory results.

**Keywords:** micromotors, microrobotics, review.