

20th IAA SYMPOSIUM ON SPACE DEBRIS (A6)  
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DEVELOPMENT OF MICROSATELLITE TO DEMONSTRATE SPACE DEBRIS REMOVAL  
TECHNOLOGIES

**Abstract**

Kawasaki Heavy Industries, Ltd has developed the microsatellite "DRUMS (Debris Removal Unprecedented Micro Satellite)" which demonstrates space debris removal technologies. It was successfully launched by the Epsilon rocket with support by JAXA on November 9, 2021. We will be demonstrating debris removal technologies in orbit this year. In this paper, we will report development, operation and in orbit demonstration of DRUMS.