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Author: Mr. Taichi Yamazaki  
ASTRAX, Inc., Japan

SPACE MOBILITY SYSTEMS USED IN SPACE HOTELS AND SPACE STATIONS: "ASTRAX  
SPACE SCOOTERS"

**Abstract**

There is no mobility equipment used inside of a spacecraft yet. Space services company, ASTRAX, is developing a few types of Zero G (gravity) Scooters and Space Scooters to improve mobility inside of space hotels and space stations. The scooter was born from the demand of the passengers on the zero gravity flights in Japan who wanted to fly like a witch or Harry Potter on a broom. ASTRAX has been developing 3 types of zero gravity scooters so far. These are very useful manned mobility systems in zero gravity environments using a rather innovative idea. In this paper, the concept and design of these 3 types of zero gravity scooters and the newest type of space scooter will be introduced.