

초정밀 가공장비의 진동절연용 크레들 설계
Design of the Cradle for the Improvement of Efficiency
of Vibration Isolation of a Precision Machinery

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ABSTRACT

In this study a new vibration isolation system was designed so as to decouple translational motion and rotational motion of a workstation as well as to maximize an efficiency of vibration isolation. Whole motion of the workstation as well as the transmitted vibration from the floor were compared at the two conditions; with and without the cradle system. It was shown that the cradle system had a clear effect to suppress the rolling motion of the workstation.

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