

자유곡면 프리즘 렌즈 사출용 코어 초정밀 형상 가공

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Ultra precision machining of the mold core for free surface prism lens

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Abstract : Abstract Head-mounted displays(HMD) are being developed and marketed in growing numbers for a variety of applications. Though most commonly associated with entertainment applications other applications are also being developed. The field vision on the display screens is expanded by the optical system producing an imaginary screen that appears to be positioned several meters in front of the viewer. In this study, the mold core for the prism lens of HMD was processed by fly-cutting method, and the form accuracy of the mold core was measured.

Key Words : Anamorphic aspheric; Fly-cutting; Form Accuracy; Surface Roughness; Prism Lens