ABSTRACT

A magnetic head slider, a method of manufacturing the same, and a magnetic disk apparatus are provided, which can achieve a high surface recording density by shortening a distance between a recording medium and a head core part which face each other at the time of operation. A mask is formed in a region where a head core part is formed, of an air bearing surface of a magnetic head slider body. A protective film made of diamond-like carbon is formed so as to cover the air bearing surface. After that, the mask and the protective film on the mask are removed. In a produced magnetic head slider, the distance between the head core part and a disk is shorter than that in a conventional magnetic head slider in which the protective film is formed on the whole air bearing surface. In a magnetic disk apparatus to which the magnetic head slider 1 is applied, the head core part can be therefore brought close to the magnetic disk, so that a large reproduction output can be obtained and information can be recorded onto the magnetic disk with a subtle magnetic field. As a result, the surface recording density of the magnetic disk apparatus is improved.

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