

OPTICAL DISK MOLD AND METHOD OF FORMING THE SAME

An optical disk mold is provided. The optical disk mold includes a first mold plate, a second mold plate, and a stamper. A mold cavity having a disk-shape is included between the first mold plate and the second mold plate for manufacturing an optical disk. A heat-keeping surface layer formed by a spraying process is included on a surface of the second mold plate in the mold cavity, so that the optical disk mold has a better pattern-transferring ability, and the cycle time of producing the disk can be shortened. The stamper lies on the heat-keeping surface layer of the second mold plate. A microstructure pattern is included on a surface of the stamper, so as to transfer the microstructure pattern to the produced optical disk.

[Figure 7]