



162162

PRESS DIE AND MOLDING PROCESS OF DISK WITH SHAFT

SHAPED PORTION



G00002

ABSTRACT

5

A press die and a molding process can form a disk member having a shaft shaped portion at a center with satisfactory circularity and flatness in a disk portion, dimensional precision in the shaft
10 shaped portion, and concentricity between the disk portion and the shaft shaped portion at the center. The press die is designed for press molding of a glass substrate of a disk member with a shaft shaped portion at a center thereof. The press die includes
15 an upper die forming an upper surface of the disk member, an intermediate die having a shaft forming hole portion for forming a shaft shaped portion projecting from a disk portion of the disk member, a lower die for forming a lower surface of the shaft
20 shaped portion and a guide member for guiding the upper die, the intermediate die and the lower die.

Figure 1

25