

CLAIMS

1. A magnetic-disk glass substrate comprising:
a pair of main surfaces;
a side wall surface formed at an outer circumferential side edge portion;
and
chamfered surfaces interposed between the side wall surface and the main surfaces, respectively,
the side wall surface having a roundness of 1.5 μm or less,
wherein a difference in radius between an inscribed circle and a circumcircle is 5 μm or less, the difference being obtained based on three outlines overlapped, the three outlines including: an outline of the side wall surface at a central position of the glass substrate in the thickness direction; and two outlines of the side wall surface, each obtained at a given distance apart from the central position of the glass substrate in the opposite sides of the thickness direction, and
wherein, the given distance is set to be 200 μm when positions of the side wall surface exist at 200 μm apart from the central position of the glass substrate in the opposite sides of the thickness direction, and the given distance is set to be 100 μm when positions of the side wall surface do not exist at 200 μm apart from the central position of the glass substrate in the opposite sides of the thickness direction.
2. The magnetic-disk glass substrate according to claim 1,
wherein outlines in the circumferential direction are obtained at two positions on the side wall surface on an outer circumferential side spaced apart by 200 μm in the thickness direction, and a middle point between centers of two least square circles determined from the outlines is referred to as middle point A,
outlines in the circumferential direction are obtained at positions that are located at centers of the two chamfered surfaces on the outer circumferential side in the thickness direction, and among centers of least

square circles determined from the outlines, a center determined from one chamfered surface is referred to as center B, and a center determined from the other chamfered surface is referred to as center C, and

a sum of: a distance between the middle point A and the center B; and a distance between the middle point A and the center C, is 1 μm or less.

3. The magnetic-disk glass substrate according to claim 1 or 2,
wherein a thickness of the magnetic-disk glass substrate is 0.5 mm or less.
4. A magnetic disk in which magnetic layers are formed on the main surfaces of the magnetic-disk glass substrate according to any one of claims 1 to 3.