

ABSTRACT

In order to reduce a root mean square roughness R_q of microwaviness
5 having a wavelength from 50 to 200 μm on a main surface of a glass substrate,
a method for manufacturing a magnetic-disk substrate includes polishing both
main surfaces of a substrate by sandwiching the substrate with a pair of
polishing pads, supplying a slurry containing polishing abrasive particles
between the polishing pads and the substrate, and sliding the polishing pads
10 and the substrate relative to each other. The polishing pads respectively have
a resin foam layer having a plurality of openings in a surface. When
information on a three-dimensional shape of a surface of the polishing pads is
obtained from captured images of the surface of the polishing pads, and an
arithmetic mean roughness R_a of the surface of the polishing pads is derived
15 from the information on the three-dimensional shape, the R_a is 0.5 μm or less.