

[ABSTRACT]

SHAPE MEASUREMENT DEVICE AND SHAPE MEASUREMENT METHOD

A first point measurement control part 101 rotates a cylinder part 11a of a cylindrical rotation part 11 to a predetermined reference cylindrical angle α_1 , rotates a columnar part 13a of a mirror rotation part 13 to a predetermined reference mirror angle β_1 , makes the laser beam L irradiate, and measures a position of a predetermined first point A in a hollow from a reflection point R of the laser beam on the mirror 14. A first rotation control part 102 rotates the cylinder part 11a from the reference cylindrical angle α_1 to 180 degrees. A second rotation control part 103 rotates the columnar part 13a from the reference mirror angle β_1 to 180 degrees. A second point measurement control part 104 makes the laser beam L irradiate after the cylinder part 11a is rotated by 180 degrees, and the columnar part 13a is rotated by 180 degrees, and measures a position of a predetermined second point B in the hollow from the reflection point R of the laser beam L on the mirror 14. A correction control part 105 corrects a rotation operation of the cylinder part 11a and a rotation operation of the columnar part 13a.

[FIG. 1]