

TUBE THICKNESS MEASURING DEVICE AND TUBE THICKNESS
MEASURING SYSTEM

10 A tube thickness measuring device includes an ultrasonic probe
including a cylindrical portion, a fixed portion that fixes the cylindrical
portion, a movable portion that is movable, at least three expansion and
contraction mechanisms connected to the fixed portion and the movable
15 portion, and biasing members connecting the fixed portion and the movable
portion. Each of the expansion and contraction mechanisms includes parallel
legs including wheels, a first link and a second link that are rotatable and
connect the parallel leg and the fixed portion, and a third link that is rotatable
and connects the second link and the movable portion. When the biasing
20 members expand to cause the movable portion to move away from the fixed
portion, all the parallel legs come close to the cylindrical portion. When the
biasing members contract to cause the movable portion to come close to the
fixed portion, all the parallel legs move away from the cylindrical portion.

(FIG. 2)