

MOUNTING DEVICE AND METHOD FOR DETECTING DISPLACEMENT OF BONDING HEAD PROVIDED TO MOUNTING DEVICE

ABSTRACT

A mounting device includes: a bonding head having a cylindrical side surface; a support
5 member supporting the bonding head; a first actuator causing the bonding head to advance and
retreat in an axial direction thereof; a second actuator causing the bonding head to rotate around
an axis thereof; a first scale provided on the cylindrical side surface for detecting displacement of
the bonding head in the axial direction; a second scale provided on the cylindrical side surface for
detecting displacement of the bonding head around the axis; a first sensor head which reads the
10 first scale and outputs a first detection signal corresponding to displacement of the bonding head
in the axial direction; and a second sensor head supported by the support member that reads the
second scale and outputs a second detection signal corresponding to displacement of the bonding
head around the axis. According to such a mounting device, a displacement amount of the
bonding head in an advancing/retreating direction and a displacement amount in a rotation
15 direction can be accurately detected.

(FIG.1)