

ABSTRACT OF THE DISCLOSURE

A work and head positioning apparatus, a flux reservoir
a mount head and a transfer head are disclosed for a ball mount
apparatus. In the work and head positioning apparatus, a head
5 driving mechanism drives a head substantially in a linear
direction, a first work driving mechanism drives extending in
a direction intersecting the drives a work, and a second work
driving mechanism drives the work in a rotational direction on
the first work driving mechanism. In a flux reservoir, a flat
10 supply area in a flux reserving space is made substantially as
large as a transfer area of a transfer head, and is made movable
up relatively to the flux reserving space except the flat supply
area while keeping substantial parallelism between the flux
provided on the flat supply area and the transfer area of the
15 transfer head. Another work and head positioning apparatus has
first optically recognizing means for recognizing an alignment
mark of the head, second optically recognizing means for
recognizing a position of the work, and operation means for
carrying out an operation for obtaining a quantity of a relative
20 positional gap between the head and the work based on a
recognition result of the first and second optically
recognizing means. In a mount head, a gas conducting permeable
member is disposed between a vacuum plate and a gas-conducting
path forming member. In a transfer head, urging means is
25 disposed above a screen, and the urging means gives no force
to the screen in a no-load state but urges the screen downward
when an upward load is given to the screen.

This Sheet Has Been Replaced

