

ABSTRACT

METHOD OF INSTALLING ELASTOMER RING IN SEMICONDUCTOR PROCESSING EQUIPMENT AND GUIDING 5 SHEET AND JIG USED IN INSTALLING ELASTOMER RING

Provided are a method, a guiding sheet, a partial filling jig, and a full filling
jig for installing an elastomer ring in the semiconductor processing equipment.

10 The guiding sheet, the partial filling jig, and the full filling jig dispose the
elastomer ring in the groove of the semiconductor processing equipment
smoothly and evenly. Furthermore, the surface of the elastomer ring may be
divided to multiple arcs portions. Each one of the arc portions may be pressed by
the partial filling jig or the full filling jig in a particular sequence. When the
groove is filled by the elastomer ring accurately and completely, the elastomer
15 ring may block the fluid and the etching gas effectively. The elastomer ring may
help the semiconductor processing equipment to work continuously and
maintain qualities of the etching wafers.

Fig. 2