Claims:-

1. A pre-assembled jig for guiding the placement of glenoid component in the shoulder replacement surgery (P) in three dimensions in terms of version, inclination, vertical height and side-to-side placement of implant comprises of

- Glenoid ring (GR),
- Glenoid pin sleeve (GS),
- Glenoid ring Augments (GA),
- Glenoid ring handle (GH),
- Holes for Glenoid ring augments (HGA),
- Hole for Glenoid pin sleeve (HGS),
- Hole for Glenoid ring Handle (HGH);

Wherein

said glenoid ring (GR) with cross hairs and preferably made of metal, comprises of at least four holes for glenoid ring augments (HGA) at superior (P1), inferior (P2), anterior (P3) and posterior (P4) locations and a hole glenoid ring handle (HGH) at anterior-inferior and postero-inferior end, to accept the glenoid ring handle (GH); glenoid ring (GR) further comprises Hole for glenoid pin sleeve (HGS)at the center configured to accept said glenoid pin sleeve (GS); said glenoid ring augments (HGA) is configured to accept Glenoid ring augments (GA) of varied size measurements and with variations in head; said Glenoid Augments (GA) determines the four point of contacts on the shoulder of the patient undergoing the shoulder replacement surgery; said glenoid ring handle (GH) with a grip at one end and preferably made of metal, supports the glenoid ring with cross hairs (GR); further at the other end said glenoid ring handle (GH) consists

locking mechanism that may include threads or its variations for locking of the glenoid ring handle (GH) into the hole for glenoid ring handle (HGH); said glenoid pin sleeve (GS) with a grip at one end and locking mechanism at the other end locked into the hole provided at the center of glenoid pin sleeve (HGS) and preferably made of metal, is configured to facilitate precise direction for insertion of the guide pin;

wherein the length of said Glenoid Augments (GA) used in the present preassembled jig is varied according to requirement determined by the contact points for precision and accuracy; said change in length of glenoid augments (GA) on the anterior position (P3) and posterior position (P4) of the glenoid ring (GR) with cross hairs rotating in axial plane determines the version in terms of angle; where the anterior Position (P3) Glenoid ring augment (GA) is longer compared to posterior position (P4) glenoid ring augment indicates increase in retroversion and where the posterior position (P4) glenoid ring augment is longer compared to anterior position (P3) glenoid ring augment indicates increase in the ante version; further said change in length of glenoid augments (GA) on superior position (P1) and Inferior Position (P2) of the glenoid ring (GR) with cross hairs rotating in coronal plane determines the inclination in terms of angle; where the superior position (P1) glenoid ring augment (GA) is longer compared to Inferior position (P2) glenoid augment (GA) indicates increase in inferior inclination angle over the scapula; where the superior position (P1) glenoid ring augment (GA) is shorter than Inferior position (P2) glenoid augment (GA) indicates increase in superior inclination angle over the scapula.

2. The~~A~~ pre-assembled jig for guiding the placement of glenoid component in the shoulder replacement surgery (P) in three dimensions in terms of version, inclination, vertical height and side-to-side placement of implant as claimed in claim 1, wherein the variation in the size measurements of said glenoid Augments (GA) is in the range of 1mm to 20mm and the variation in heads of glenoid Augments (GA) are cross head on the top or hexagon head on the top of the glenoid augments (GA).

3. The~~A~~ pre-assembled jig for guiding the placement of glenoid component in the shoulder replacement surgery (P) in three dimensions in terms of version, inclination, vertical height and side-to-side placement of implant as claimed in claim 1, wherein the rotation in axial plane and precise variation in version identified in terms of angles is in range 1.8° - 30° wherein said version variations in the angles determined are directly proportional to the varied sizes of the glenoid augments (GA) in terms of millimeter (mm) in the range of 1mm – 20mm.

4. The~~A~~ pre-assembled jig for guiding the placement of glenoid component in the shoulder replacement surgery (P) in three dimensions in terms of version, inclination, vertical height and side-to-side placement of implant as claimed in claim 1, wherein the rotation in coronal plane and precise variation in inclination identified in terms of angles is in range 1.8° - 30° wherein said inclination variations in the angle determined are directly proportional to the varied sizes of the glenoid augments (GA) in terms of millimeter (mm) in the range of 1mm – 20mm.

~~5.~~ ~~A pre-assembled jig for guiding the placement of glenoid component in the shoulder replacement surgery (P) in three dimensions in terms of version, inclination, vertical height and side-to-side placement of implant as claimed in claim 1 may employ size-shape variations in glenoid ring handle (GH)as in fig 5 to fig 5b.~~