

**HIGH SPEED COLOR ALTERING HEAD FOR SINGLE-FACE CIRCULAR
KNITTING MACHINES
ABSTRACT**

A high speed color altering head for single-face circular knitting machines is installed on a circular knitting machine and controlled by a return cam, a needle selection device and
5 upper and lower cams to perform colored yarns feeding operation for knitting needles to achieve colored and jacquard knitting effect. The color altering head includes two outer plates, a plurality of yarn feeding mechanisms, a plurality of yarn clipping mechanisms, a plurality of spacers and a
10 plurality of color selection pressing plates. The needle selection device drives the color selection pressing plates to release the corresponding yarn feeding mechanisms and yarn clipping mechanisms so that the upper and lower cams of the circular knitting machine can control yarn feeding and yarn
15 clipping operations at high speed without dropping the yarns.

(FIG. 2)