

CIRCULAR KNITTING MACHINE JACQUARD NEEDLE EQUIPPED WITH A RETURN STRUCTURE

Abstract

5 A jacquard needle equipped with a return structure is installed in a circular knitting machine which has a computer needle selected device including plural jacquard needles and plural needle selected sheets on an upper needle dial. Each jacquard needle is driven by a cam to move a knitting needle.

10 The needle selected sheet depresses the jacquard needle to escape from the cam. The jacquard needle includes a fulcrum, a neck, a force received section, a needle foot and a return structure. The fulcrum is connected with the knitting needle. The needle foot is located in a slide track of the cam. The

15 return structure has a bend end at a distal end beneath the needle foot. The bend end butts an inner wall of the upper needle dial. The force received section transmits the depressing force to bend the return structure to generate a returning elasticity.

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Figure 3