

CIRCULAR KNITTING MACHINE HAVING INTEGRATED MULTIPLE YARN CHANGING APPARATUS

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Abstract

A circular knitting machine having an integrated multiple yarn changing apparatus comprises a first yarn changing apparatus, a second yarn changing apparatus, and a driving cam set. The first and second yarn changing apparatus include
10 respectively at least one yarn feeding means which is moved outwards through a first yarn feeding stroke and a second yarn feeding stroke to a yarn feeding position . The driving cam set includes a first driving track and a second driving track to respectively drive the yarn feeding means to proceed the first
15 and second yarn feeding strokes. The second driving track has a driving delay zone to generate a yarn feeding time lag between the first and second yarn feeding strokes. Knitting needles located between the first and second yarn feeding means are guided to a yarn hooking position to respectively
20 hook the yarn due to the yarn feeding time lag.

Figure 4