

ABSTRACT

HEAT DISSIPATING SYSTEM OF HIGH-SPEED CIRCULAR KNITTING MACHINE

A heat dissipating system of a high-speed circular knitting machine includes a super low temperature air gun. Cold air is ejected from a cold air outlet of the super low temperature air gun for carrying away the high heat produced by a cylinder base during a knitting process. The super low temperature air gun is connected to an extension pipe and extended to a gap between a cutting disc and a pressing plate, or saddle bases, or a lower rhombus ring and two saddle bases, or yarn feeding nozzles. Cold air ejected from the cold air outlet passes through the gap to the cylinder base or other peripheral components of the high-speed circular knitting machine to achieve the heat dissipating effect. The super low temperature air gun is installed inside a leg for supporting a yarn supplying device or on its external surface or on a yarn feeding ring.

[Figure 2]