

Title (en)  
ELASTIC RIBBON MACHINE

Title (de)  
ELASTIKBANDMASCHINE

Title (fr)  
MACHINE DE RUBANS ÉLASTIQUES

Publication  
**EP 2845937 B1 20171004 (EN)**

Application  
**EP 14731529 A 20140417**

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Abstract (en)  
[origin: EP2845937A1] The present invention discloses a rubber band machine. The length of a rubber band to be conveyed may be set by controlling the angle of rotation of a first motor. The rubber band input by a first feeding drive wheel is stored between the first feeding drive wheel and a second feeding drive wheel so that the second feeding drive wheel coordinates with a looping device to continue to output the rubber band. During feeding, the rubber band machine can perform joint examination and ironing to the rubber band, and automatically cut the rubber band off at the discharge port of the second feeding drive wheel via a cutting device. The looping device grips the rubber band via a third gripper (57) and moves rotationally to convey two ends of the rubber band to a first gripper (62) and a second gripper (63), respectively. After the first gripper (62) and the second gripper (63) have gripped the two ends of the rubber band, the rubber band forms a rubber ring by rotational motion of the first gripper (62) and the second gripper (63), and the two jointed ends of the rubber ring are fixed on a bracket for subsequent sewing and fixation. The looping device has the advantages of simple structure and automatic control, and the looping speed of rubber bands is thus greatly improved.

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