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(54) Title of the invention : AUTOMATIC DRAWSTRING INSERTION DEVICE

(57) Abstract :

An automatic drawstring insertion device, comprising a platform 1 assembled with a primary and secondary circular ring 2, 3, the primary circular ring 2 is arranged with a motorized guiding rack 4, arranged with multiple clamping units 5 which clamps onto a garment, an image capturing module 6 mapped on the primary circular ring 2 for detecting exact positioning of holes, the secondary circular ring 3 is coiled with steel wire that is passed through holes, a tube 7 incorporated with an iris operated lid 8 positioned at a tip portion of the steel wire for gripping and moving out the wire from the other hole, a motorized clamping unit 9 assembled on the platform 1 to clamp an end portion of the drawstring rolled over a spool 10, a motorized cutter 11 installed in proximity to the clamping unit 9 that is adapted to cut the drawstring.

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