

Automatic Sticker Application Apparatus

Abstract

The automatic sticker application apparatus is designed as follows: the printed sticker 18 is sent out from the supply winder which is attached to the side plate 1 which is used as a base. The printed sticker is sent from the supply winder 12 to the separation rollers 20, 21, which separate the printed sticker from the peel-away paper 19, and are attached to the above mentioned side plate. The friction board powers the above mentioned supply winder 12, and the collection winder. The collection winder collects the separated peel-away paper from the above, mentioned separation rollers. The collection winder is also attached to the above mentioned side plate. Also attached to the above side plate is the press roller 25, which sticks the separated printed sticker that comes from the above-mentioned separation rollers onto the surface of the moving handrail 29. The brush group 38, 39, 40 which firmly sticks both the edges of the printed sticker onto the sides of the moving handrail, is installed in the front part of the above-mentioned side plate. The entire apparatus rests on the moving handrail, supported by support rollers 42, 43 attached to the front and back of the above-mentioned side plates 31, 41 at right angles via support plates. The entire apparatus is secured to the escalator under the handrail on the handrail guidance rail by stabilizing screw clamps attached to the front and back of the side plate, and hold the apparatus in place.

Fig.1