



ABSTRACT

FULL AUTOMATIC COATING SYSTEM FOR COATING VARIOUS TYPES
OF PRODUCTS PRODUCED IN SMALL QUANTITIES

A full automatic coating system includes an endless metal tape (1) driven to run in one direction along an endless traveling path, a product supplying station (2) for automatically selecting products of a desired type and supplying them to the endless metal tape (1) according to a production control procedure stored in a control unit (6), a coating station (3) disposed in the traveling path downstream of the product supplying station (2) and including a spray gun (3a) for selectively spraying one of coatings of different colors according to instructions received from the control unit (6), a drying and baking station (4) and a coating removing station (5) disposed in the traveling path downstream of the coating station (3) in the order named. All the components (1-5) are linked to operate in timed relation to one another according to the instructions received from the control unit (6). The coating system thus constructed is compact in size, inexpensive to manufacture, and capable of automatically coating such a small quantity of products which conventionally required manual coating operation.

(FIGURE 1)