



Application status of microwave rubber vulcanization technology

Microwave rubber vulcanization technology has gotten rapid promotion since the 1970s, especially in the microwave continuous vulcanization of rubber production line in the production of rubber extrusion products application, its rapid development is unprecedented.

Japan is the state which the microwave vulcanization continuous has rapid technological development and has a total production of more than 450 microwave continuous vulcanization production line, and to export more than 100 countries around the world. Microwave curing technology in foreign industrial countries has become a common mode of production. Not only widely used in various extrusion seals, but also hose vulcanization preheating has been used to cure all kinds of tire warm-up. Our country introduce dozens of microwave seal continuous vulcanization production line from Germany, Japan, Spain, Britain and other countries.

But there are many problems in importing of microwave curing production line, such as high prices, high maintenance costs, the microwave cabinet design is unreasonable, microwave has low efficiency, the degree of automation and control is not enough. With the development of the domestic microwave energy application technology, domestic imitation and transformation have been a number of microwave rubber vulcanization process equipment, some imported microwave equipment manufacturers and application of microwave energy manufacturers started to import rubber curing the problems of microwave equipment transform the quality, and yield of their products has been greatly improved.

With the successful development of the multi-tube type microwave curing equipment, It' s so difficult to reduce the cost and maintenance of microwave equipment since 2000, the current microwave rubber vulcanization technology has become increasingly mature, equipment continue to improve, toward highly automated, saving energy and reducing environmental pollution direction efforts to meet the increasing demand of customers, it has great potential and broad market.

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