

Installation Method, Structure of Linear Motor and Electrical Equipment thereof

Abstract

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The invention provides an installation method, structure of linear motor and electric equipment thereof, the installation method of linear motor comprises: determining a height of motion centerline of the motion module; determining a height of measurement centerline of the measuring component; 10 determining a height of thrust centerline of the power source; installing components of the linear motor on different levels to ensure that a motion center of the motion centerline, a measurement center of the measurement centerline, and a thrust center of the thrust centerline are located on a same straight line. The present invention makes the motor in a suspending and 15 extending arrangement or a magnetic attraction force counteracting arrangement, which can reduce the production cost of the base, reduce the difficulty of installing the locking mechanism at the bottom of the bracket, increase the rigidity of the base, and can also maintain three centers on one line or four centers on one line, and optimize adaptability of the motor and a 20 mechanical structure.

Fig. 1