

FP:("Ferroxcube International Holding B.V.")

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Sort: Relevance

Per page: 10

View: All

1 / 1

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1. **109015336** GRINDING SURFACE PARALLELISM DETECTION SYSTEM AND METHOD FOR T-TYPE FERRITE MAGNETIC CORE CN - 18.12.2018

Int.Class **B24B 37/013** Appl.No 201811254655.6 Applicant FERROXCUBE INTERNATIONAL HOLDING B.V. Inventor HU ZHIHUI

The invention discloses a grinding surface parallelism detection system and method for a T-type ferrite magnetic core. The grinding surface parallelism detection system comprises a fixture seat, the fixture seat is used for clamping the T-type ferrite magnetic core to be detected, a middle column and a side foot column perpendicularly arranged on the middle column are arranged on the T-type ferrite magnetic core, and rotating plates are arranged on the two sides of the fixture seat respectively; and one side face of each of the rotating plates is arranged at the edge of the side foot column of the T-type ferrite magnetic core, a laser transmitter is arranged on one side of each rotating plate, the laser transmitters are perpendicular to the rotating plates, and a laser receiver is arranged on one side of each laser transmitter and used for receiving the laser emitted by the laser transmitters. According to the grinding surface parallelism detection system, the T-type ferrite magnetic core is fixedly clamped in the fixture seat, the rotating plates are arranged on both sides of the fixture seat respectively in a cooperative manner, the side faces of the rotating plates are fitted the bevels on both sides of the side foot column by using the rotation of the rotating plates, the moving displacement on the laser receivers of the laser emitted by the laser transmitters fixedly arranged on the rotating plates is used to detect the tilt angle of the bevels on both sides of the side foot column, and the detection is completed.

2. **109160818** ZIRCON SLURRY POWDER AS WELL AS PREPARATION METHOD AND USE METHOD THEREOF CN - 08.01.2019

Int.Class **C04B 35/622** Appl.No 201811148778.1 Applicant FERROXCUBE INTERNATIONAL HOLDING B.V. Inventor ZHANG SHAOJUN

The invention discloses zircon slurry powder as well as a preparation method and a use method thereof. The preparation method comprises the steps as follows: weighing 65-85 parts by weight of water, and putting in a first container; weighing 1-2.5 parts by weight of edible seaweed powder, and mixing and stirring the edible seaweed powder with the water till the edible seaweed powder is completely immersed into the water; weighing 90-100 parts by weight of zircon sand, and mixing and stirring the zircon sand with the water and the edible seaweed powder to prepare the zircon slurry powder. The zircon slurry powder is prepared by uniformly mixing the water, the zircon sand and the edible seaweed powder in proportion; then, the zircon slurry powder is pasted on the upper surface of a lower layer ferrite green body product through soft cotton cloth; when the zircon slurry powder is pasted to the whole upper surface of the lower layer ferrite green body product, a second layer ferrite green body product can be stacked on the lower layer green body product, so that stacking and sintering of the ferrite green body products are achieved; the zircon slurry powder does not crack while sintering after ferrite green bodies are stacked; product displacement between the upper layer and the lower layer of the ferrite green bodies can be avoided; and the product production efficiency is greatly improved.

1 / 1

