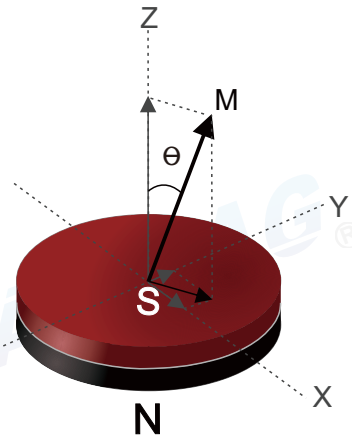
兴隆磁性技术
CANMAG TECHNOLOGY

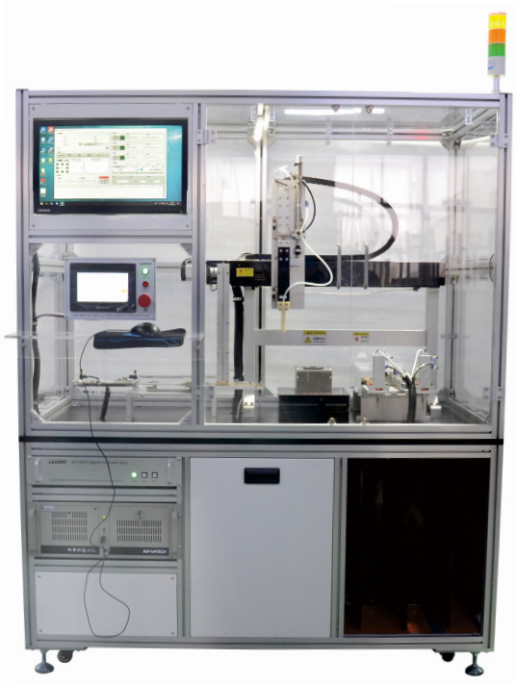
CANMAG®

Automatic magnetic declination measurement equipment

Introduction

Magnetic declination is the final magnetization vector direction of a permanent magnet and is used to measure the angle between the orientation direction and the magnetization direction. The existence of magnetic declination causes the magnetic field to be generated in the non-magnetized direction of the magnet, forming a stray magnetic field. With the deep application of permanent magnets, magnetic declination has become an important influencing factor for precision magnetic devices.

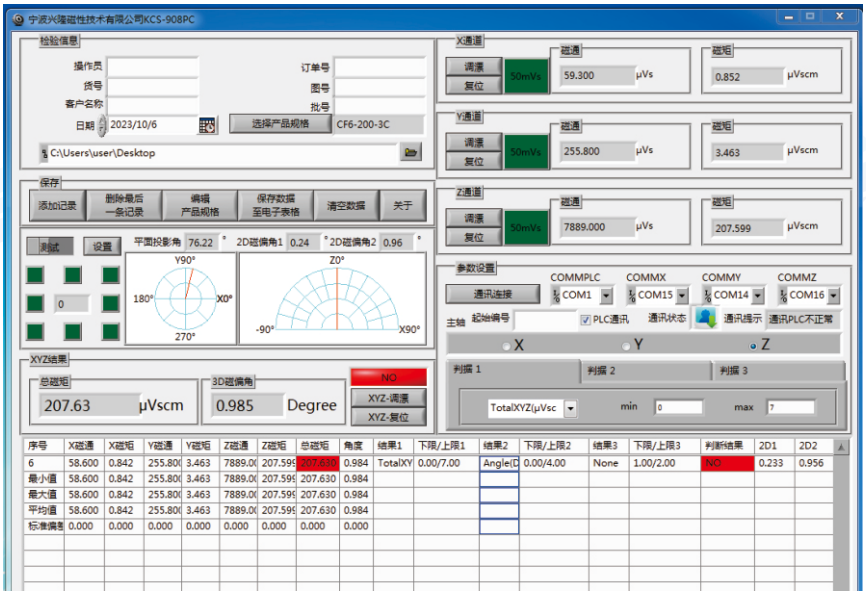




Advantageous features

- Three-dimensional magnetic declination coils are designed with stringent requirements to ensure the accuracy and stability of the test.
- The coils are designed by CANMAG and are constructed of non-conductive materials.
- Manual discharge cartridge type loading, outfeed can be stacked with shims.
- The range values of magnetic flux, magnetic moment, and magnetic declination can be set separately and judgment can be made to sort out the material after passing or failing.
- All test results for each product can be recorded in the computer and saved and exported as an Excel spreadsheet.
- Intelligent drift adjustment with dynamic zeroing and dynamic compensation technology Maintains stability for a long time in the absence of external magnetic field interference.
- Can be measured with different sizes of coils

Software



Technical parameter

Power	AC.220V 50HZ	Magnetic flux Calibration Accuracy	Linearity error is better than 0.1%.
Warm-up time	3min	Magnetic moment Calibration Accuracy	better than 1%
Max.output curr	50mVs / 1Vs	Magnetic moment Resolution	0.001uVs.cm
Production efficiency	Approx. 9 sec/piece	Software	Self-developed by CANMAG
Angular resolution	0.001°	Work environment	10 square meters of ind ependent noMagnetic field of movement
Repeatability	±0.1°	working temperature	-5℃～40℃
Magnetic flux Resolution	0.1uVs	Overall dimension	W1500xD750xH1820