

## MATS-2010H

## Soft Magnetic Material Dynamic Hysteresisgraph System

## Model MATS-2010H



Automatic measurement on hysteresis loop and demagnetization curve of permanent-magnet material, accurate measurement on magnetic characteristic parameters such as remanence  $B_r$ , coercive force  $H_cB$ , intrinsic coercive force  $H_cJ$  and maximum magnetic energy product  $(BH)_{max}$ .

Windows measurement software applied simply. The product conforms to China National Standards GB / T3217 - 92 and international standard IEC404 - 5.

Adopt ATS structure, users can customize different configuration as required: According to the size of measured sample to determine electromagnet size and correspondent test source power; Select different measuring coil and probe according to testing method; Determine whether selecting jig according to sample shape; Determine whether selecting heating system according to test requirement.

## General Features

## Software Features

## Software Screen

## Technical Data

## Product Family

Operate under Windows 95 / 98, Windows 2000 / XP operating systems, Chinese/ English or pure English interface optional, conform to Windows software specification, visual and simple operation.

Full automatic control, intelligent identification, minimize manual operation.

Sampling waveform and instrument status under real-time monitoring, and can be stopped at any time.

Automatic completion of data calculation, and temperature conversion of test result.

File system adopts database format, can directly print or output test result to Excel form.

Powerful file management functions: data saving, deletion and removal.

Data files contain complete sampled data, sample parameters, instrument parameters and testing schemes, adopt text format, can be conveniently typed into other software.

Display magnetic energy-product curves such as  $B(H)$  and  $J(H)$  magnetic hysteresis cycle or demagnetization curve and  $B(BH)$  magnetic energy-product curve, etc. and display coordinate message at every data point on curve.

Simultaneous display of multiple test data curve diagrams, for example: demagnetization curve or magnetic hysteresis cycle of same sample under different temperatures, demagnetization curve or magnetic hysteresis cycle of different samples, etc.

Support various models of printers, test report accurately match printer sheet.

Print preview function, can conveniently regulate the size and edge distance of test report.

Test report can be directly printed, or generate JPG image file.

JPG image file can be sent directly through E-mail, or saved into disk.

Test reports contain complete curve diagrams, test results, test conditions and sample parameters. To facilitate adding user mark and enterprise name.