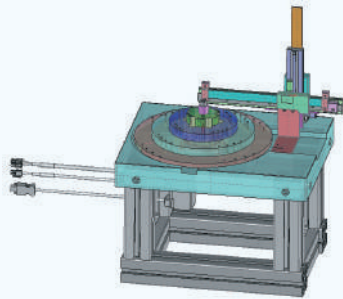


High Accuracy Angular Magnetic Mapping Field System

高精度磁極角度動態量測系統

此硬磁量測系統使用高精度的磁場量測探棒以及高動態的資料擷取器，可精準將磁石表面的磁極分布狀態特性完全呈現。不同的磁環及長條磁石皆可使用此量測系統進行分析，波形曲線可直觀測得磁極角度的細微變化。

This hard magnetic measurement system uses high-precision magnetic field measurement probe and a high-dynamic datalogger, which can accurately present characteristics of the magnetic pole distribution on surface of the magnet. Different magnets and bar magnets can be analyzed by this measuring system. The waveform curve can directly observe subtle variation of the magnetic pole angle.

TMAG[®]

旋轉測試平台



高精度高斯計



動態資料擷取器

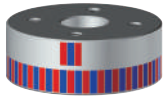
Feature 特點

- ✦ 依需求由軟體設定控制旋轉角度及速度，輕鬆簡易設定參數。
- ✦ 針對各種尺寸之磁環(64磁極、128磁極、256磁極及512磁極)進行磁極量測。
- ✦ PC同步監控記錄旋轉角度(X)、磁場數值(Y)，並由程式轉化成圖控化界面。

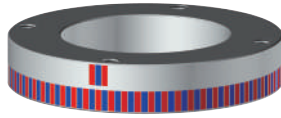
Specification 規格

- | | |
|-------------------|---------------------------------------|
| ✦ Test Platform | 旋轉測試平台：360 x 280 x 475.5 mm |
| ✦ Hollow Rotating | 中空旋轉測台：Ø 33 x 85 mm |
| ✦ Step Motor | 步進旋轉馬達：360° / ±0.05° |
| ✦ Gaussmeter | 高精度高斯計：精準度 (0.3 %) / 量測範圍(0-10 Tesla) |

64 Magnetic Poles



128 Magnetic Poles



256 Magnetic Poles



512 Magnetic Poles

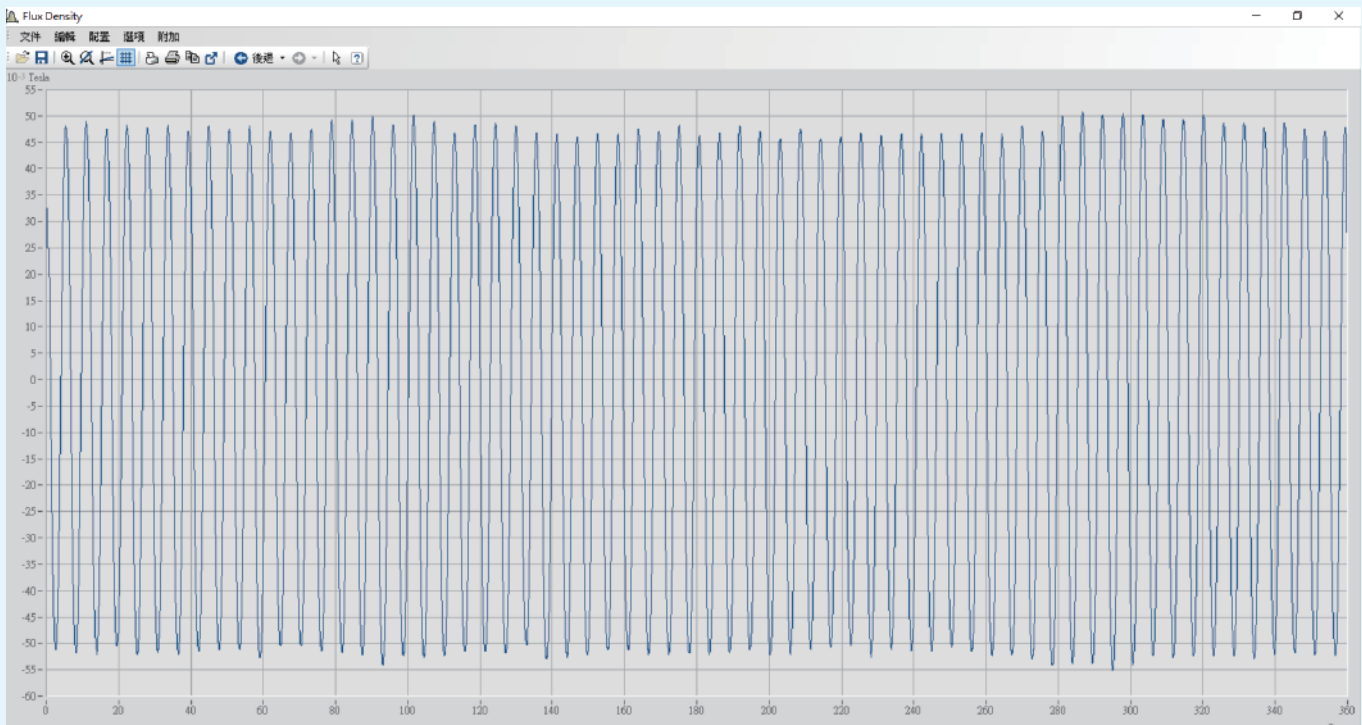


- ✓ 適用各式多磁極磁環
 - ✓ 多軸向磁場量測範圍
 - ✓ 精密量測微小磁極寬度
 - ✓ 雙探棒系統量測多層磁環
 - ✓ 磁編碼器廣泛運用
- ✓ Suitable for all kinds of multipole magnetic rings.
 - ✓ Multiaxial magnetic field measurement range.
 - ✓ Precisely measure the width of tiny magnetic poles.
 - ✓ Double probe system to measure multilayer magnetic ring.
 - ✓ For magnetic encoder application.

動態量測分析軟體將運轉角度及磁場數值自動繪製成X-Y曲線圖，可自動監測磁石的均一性、線性度等磁特性，非常適用於量測工業環境的磁石產品。

Dynamic measurement and analysis software automatically draws operating angle and magnetic flux density value into an X-Y curve graph, which can automatically monitor uniformity and the linearity of magnet and other magnetic characteristics, which is suitable for measuring magnet products in the industrial environment.

Y
(磁場)
Telsa



角度-磁場量測分析圖

Degree X(角度)