

Project Name: 專案名稱/工程名稱:	磁極角度量測系統功能測試		
Product Description : 產品名稱:	磁極角度量測系統		
PO No. : 契約編號:	-----	L/C No. : 信用狀號碼:	-----
Client/Buyer: 客戶/業主:	-----	Quantity : 數量:	1 Set
Supplier: 承包商:	-----	Inspector : 檢驗員:	Evan Hsueh (薛文琪)
Manufacture: 製造商:	創磁微測股份有限公司	Inspection Date: 檢驗日期:	110年09月16日
Witness Representative: 會驗單位:	創磁微測股份有限公司 台灣檢驗科技股份有限公司	Location : 檢驗地點:	台中市西屯區福順路 126 號

A. INSPECTION TYPE:

檢驗類型			
Pre-shipment Inspection <input type="checkbox"/> 裝船前檢驗	Final Random Inspection <input type="checkbox"/> 最終檢驗 / 出貨前檢驗	Sampling Inspection <input type="checkbox"/> 取樣公證	Witness Inspection <input checked="" type="checkbox"/> 見證檢驗
Unpack Inspection <input type="checkbox"/> 開箱檢驗	Loading Supervision <input type="checkbox"/> 裝櫃監督	Project Inspection <input type="checkbox"/> 專案檢驗	

B. SCOPE OF WORK:

工作範圍	Requested 請求事項			Performed 已執行	Comments 評論
	Inspect 檢驗	Witness 見證	Review 檢閱		
Visual / Appearance Check 目視/外觀檢查	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Quantity Check 數量檢查	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Specification Check 規格檢查	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

C. EQUIPMENT/ GOODS REQUESTED FOR INSPECTION:

檢驗之設備 / 產品	磁極角度量測系統	Product name deviations found during inspection: 產品名稱於檢驗期間偏差 yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (if yes, see report details) (如有, 見報告細節)
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D. REFERENCE DOCUMENTS:

參考文件	Reference No. 參考號碼	Rev. No.
1 磁極角度量測系統功能測試表	2021/09/16	--

FORM-IND-015-04/5

E. INSPECTION RESULT: 檢驗結果	<input type="checkbox"/> satisfactory 滿意	F. NCR/Punch list issued: 核發不符合事項/缺失單
	<input type="checkbox"/> conditionally accepted (see report details) 有條件接受(見報告細節)	
	<input checked="" type="checkbox"/> actual finding (see report details) 現場記錄	
	<input type="checkbox"/> non conforming (see report details) 不符合(見報告細節)	<input checked="" type="checkbox"/> No 否
	<input type="checkbox"/> rejected (see report details) 拒絕(見報告細節)	<input type="checkbox"/> Yes 是 (see report details) (見報告細節)
	<input type="checkbox"/> aborted inspections (see report details) 空跑(見報告細節)	

G. REPORT DETAILS

報告細節

G.1 Measuring Equipment Used

使用量測設備

FH54 高精度高斯計、imc 資料擷取器。

廠商提供儀器校正報告供審閱。

G.2 Inspection Activities Description and Results

檢驗內容描述及結果:

1. 檢驗範圍:

依據廠商所提供的磁極角度量測系統功能測試表進行磁極角度量測系統之試驗見證。

2. 檢驗數量:

磁極角度量測系統(由旋轉測試平台及FH54高精度高斯計與imc資料擷取器組成)數量: 1 Set

包含以下儀器設備

儀器型號	儀器名稱
M018-049	Encoder Test Platform 旋轉測試平台
P018-003	DGM 85R-AZMK / DGII 系列 中空旋轉台
P01-0019	imc 資料擷取器
SDM-0030	Gaussmeter FH54 FH54 高精度高斯計

FORM-IND-015-04/5

以下為磁環待測物

品號	待測物名稱	規格	備註
SB07-0008	多極磁環	128 極	>450 Gauss

3. 測試執行單位:

創磁微測股份有限公司

4. 檢驗結果:

4.1 磁極角度量測系統功能測試說明:

客製化設計平台將磁環置入後由馬達帶動旋轉，藉由磁場探棒量測數值顯示於動態資料擷取器的軟體螢幕上，主要感知為平台的馬達角度和量測的磁場數值，依據操作流程測試量測馬達運轉角度(0-360°)及磁場數值之試驗。

項目	本案產品測試規格	測試方法	測試結果
N 磁極數	64 極	由軟體驅動馬達旋轉， 並由磁場探棒量測數值 顯示於程式軟體。	符合
S 磁極數	64 極		符合
總磁極數	128 極		符合
N 極表磁	>450 Gauss		符合 數據 460~510Gauss (詳曲線報告)
S 極表磁	>450 Gauss		符合 數據 505~550Gauss (詳曲線報告)
運轉角度	0 - 360°		0°~359.9990°

FORM-IND-015-04/5

4.2 磁極角度量測系統具有以下功能：

此量測平台具有全週期角度磁場偵測功能，X軸為角度訊號，Y軸為磁通量密度，主要驗證特性為多磁極環表面磁通量密度分布的狀況。

功能	測試方法	測試結果
馬達速度、角度調整	可依據需求由軟體設定控制馬達速度及旋轉角度。(馬達型號: P018-003 DGM 85R-AZMK)	測試功能正常
多尺寸載台	可針對各類尺寸之磁環進行架設量測。	有 5 種尺寸載台 -64 磁極用 -128 磁極用 -256 磁極用 -384 磁極用 -512 磁極用
可監控系統狀態	可同步監控紀錄旋轉角度、磁場數值，並由程式轉化成圖控化介面。	測試功能正常

備註: 本次試驗詳細試驗內容與數據如附件會驗紀錄。

G.3 Non Conformities

不符合事項

N/a

G.4 Conclusion

結論

檢驗見證為當時之實際狀況詳如本報告與附件會驗紀錄。

G.5 Attachements

附件

- 磁極角度量測系統功能測試 會驗報告

THE ABOVE REFLECTS OUR FINDINGS AT TIME AND PLACE OF INSPECTION. THIS REPORT DOES NOT RELEASE BUYERS OR SELLERS FROM THEIR CONTRACTUAL RESPONSIBILITIES NOR DOES IT PREJUDICE BUYER'S RIGHT OF CLAIM TOWARD SELLERS/SUPPLIERS FOR COMPENSATION FOR ANY APPARENT AND/OR HIDDEN DEFECTS NOT DETECTED DURING OUR INSPECTION OR OCCURRING THEREAFTER.

FORM-IND-015-04/5

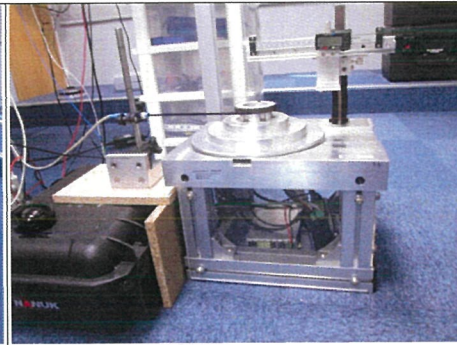
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H. INSPECTION PHOTOS

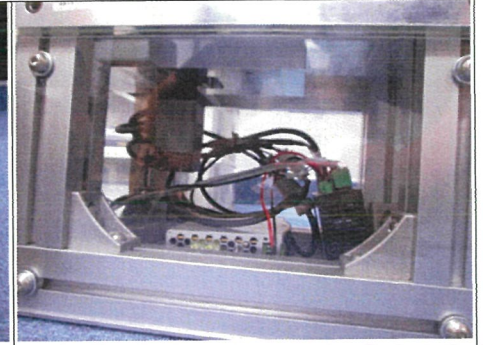
檢驗照片



1. 磁極角度量測系統外觀



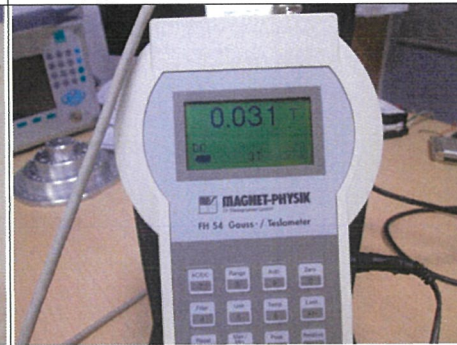
2. 旋轉測試平台



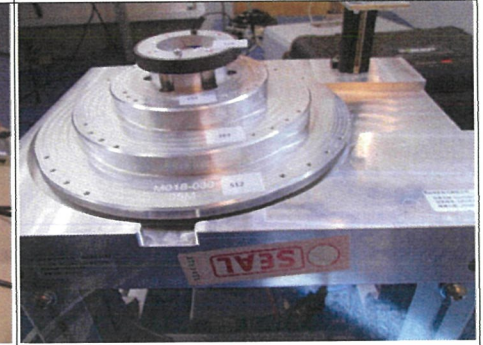
3. 中空旋轉台



4. imc 資料擷取器



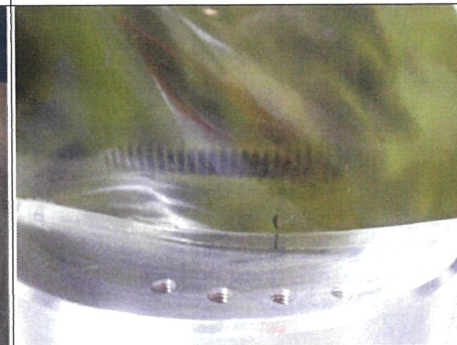
5. FH54 高精度高斯計



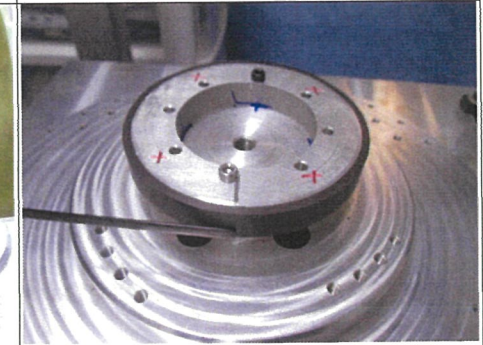
6. SGS Paper Seal



7. 多極磁環(128 極)



8. 多極磁環(128 極)

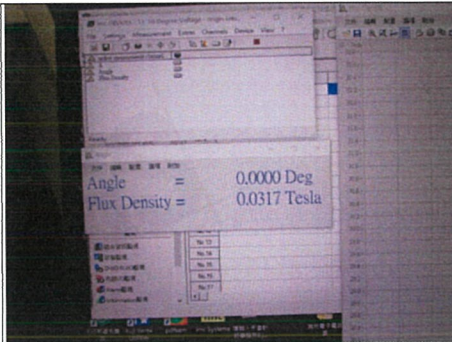


9. 馬達角度和量測的磁場數值 測試
0 - 360° (開始)

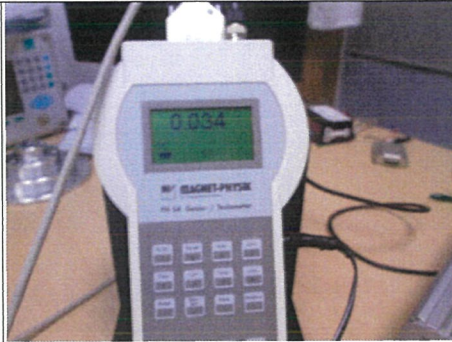
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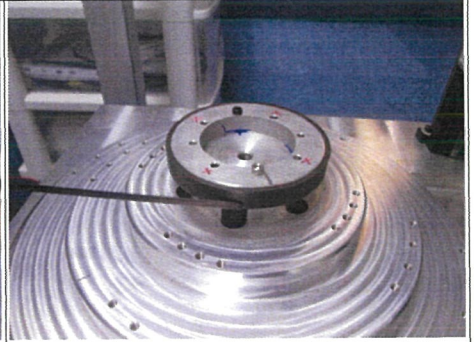
TWD 2846934



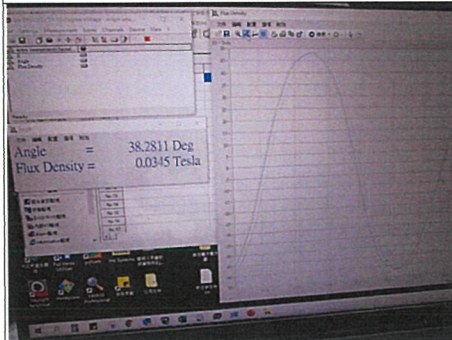
10. 馬達角度和量測的磁場數值測試
0 - 360° (測試開始)



11. 馬達角度和量測的磁場數值測試
0 - 360° (測試開始)



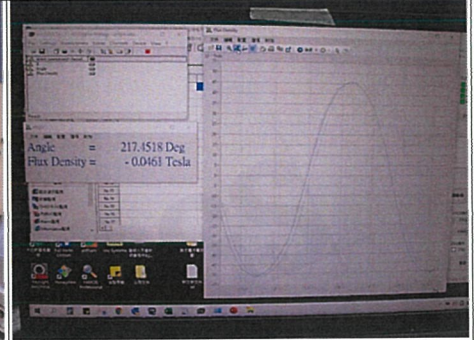
12. 馬達角度和量測的磁場數值測試
0 - 360° (測試中)



13. 馬達角度和量測的磁場數值測試
0 - 360° (測試中)



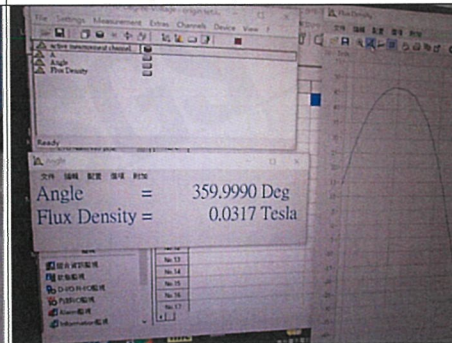
14. 馬達角度和量測的磁場數值測試
0 - 360° (測試中)



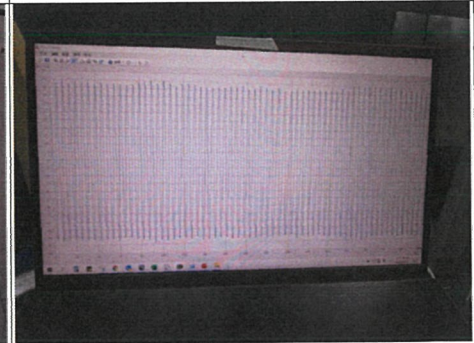
15. 馬達角度和量測的磁場數值測試
0 - 360° (測試中)



16. 馬達角度和量測的磁場數值測試
0 - 360° (測試完成)



17. 馬達角度和量測的磁場數值測試
0 - 360° (測試完成)

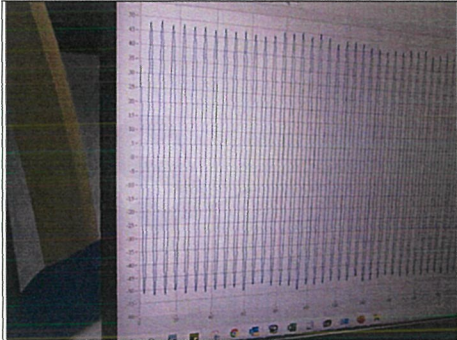


18. 馬達角度和量測的磁場數值測試
軟體繪製 X-Y 曲線圖

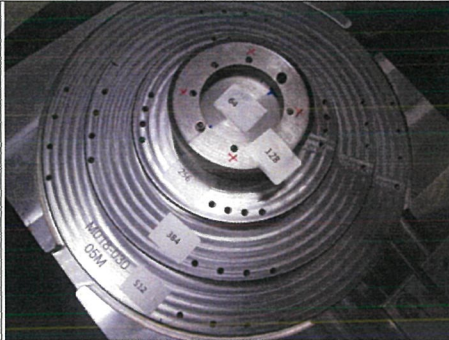
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TWD 2846933



19. 馬達角度和量測的磁場數值測試
軟體繪製 X-Y 曲線圖



20. 五種尺寸載台



21. 五種尺寸載台

許傳雄

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