



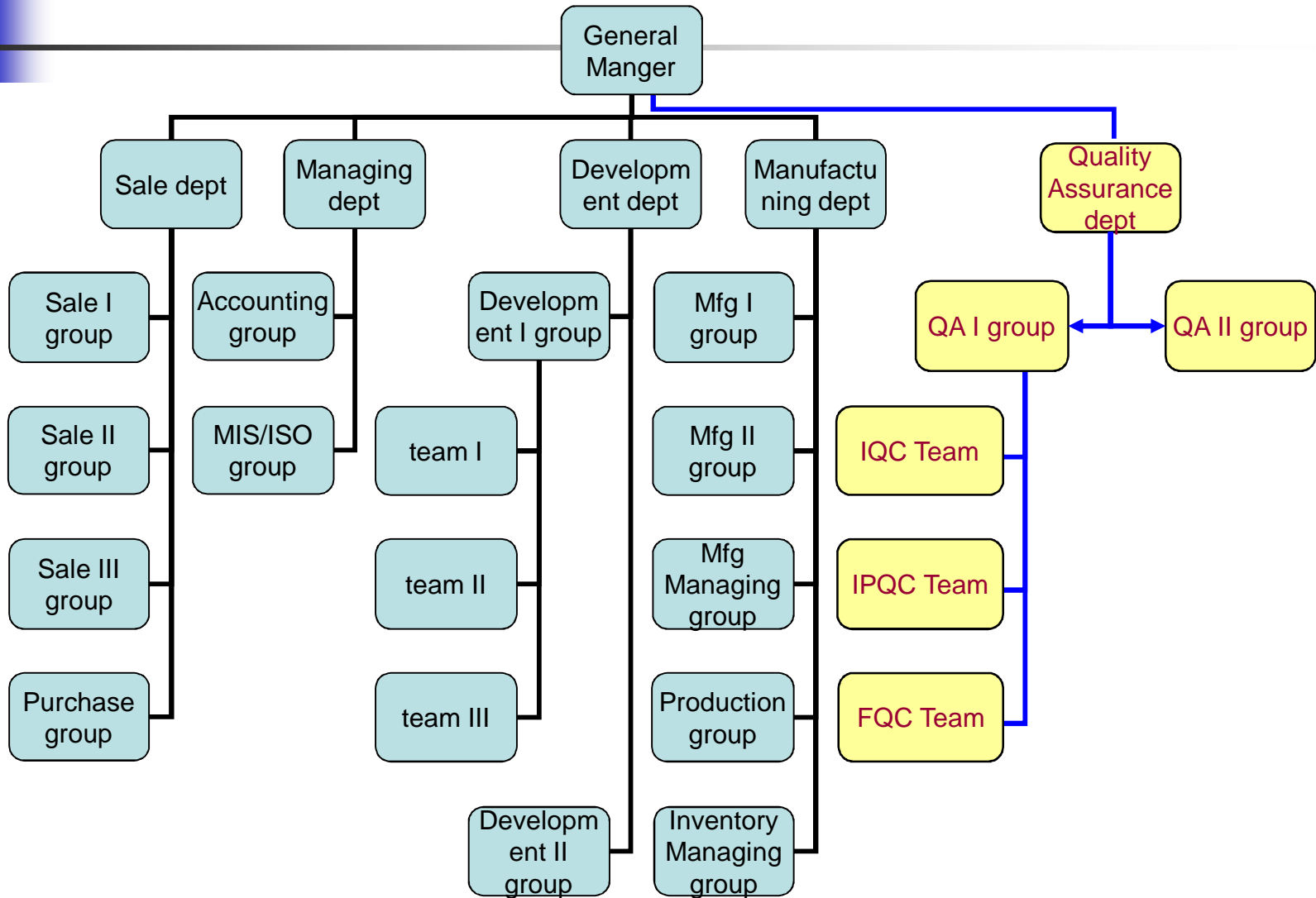
Pyramids Technology Corp.

Quality Control Department

Pyramids Technology Corp.

Organization Chart

(Quality Control Department)

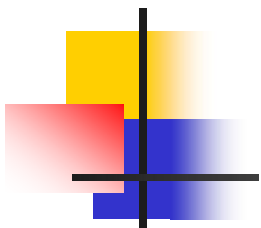




Quality Goal (Quality Control Department)

Control Quality Goal:

KPI comprehensive index 95 points



KPI Chart

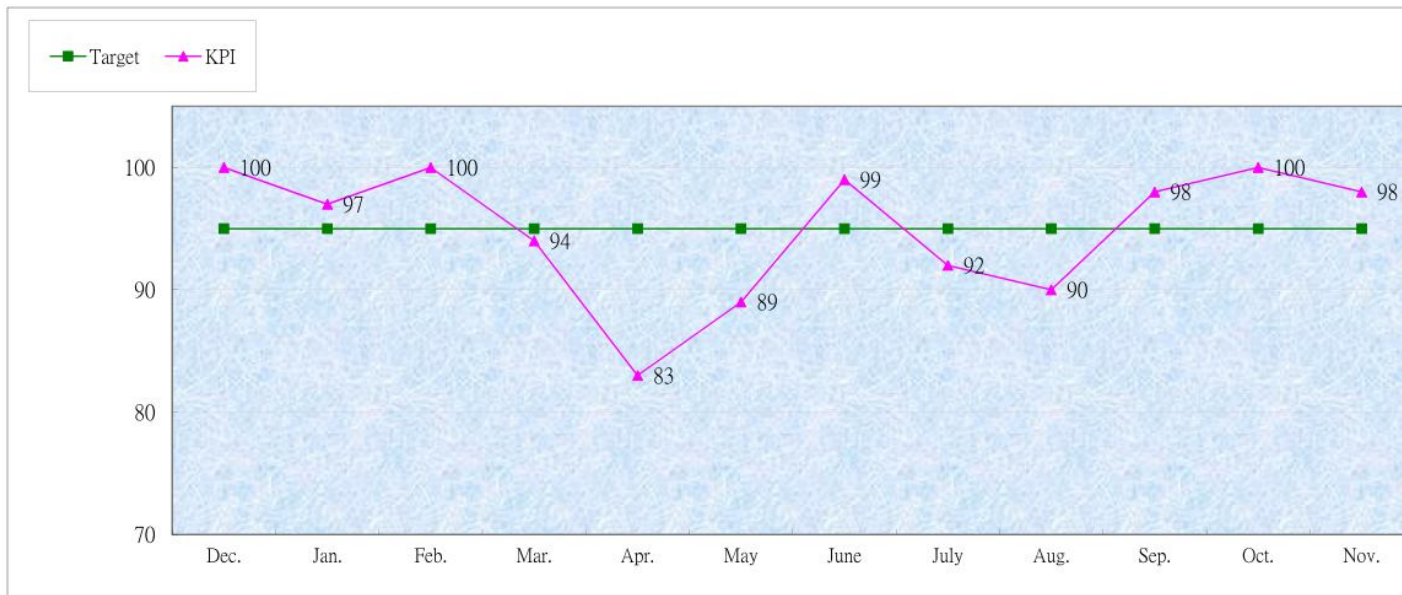


啟鑫科技有限公司
Pyramids Technology Corp

2015 KPI

2014.12~2015.11

Item \ Month	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.
IQC (40%)	40	37	40	35	25	29	39	40	40	40	40	40
FQC (10%)	10	10	10	10	10	10	10	10	10	10	10	10
Customer Complaint (20%)	20	20	20	20	20	20	20	20	20	20	20	20
Overtime Work (20%)	20	20	20	20	18	20	20	14	17	20	20	20
Defect Rate (10%)	10	10	10	9	10	10	10	8	3	8	10	8
Target	95	95	95	95	95	95	95	95	95	95	95	95
KPI	100	97	100	94	83	89	99	92	90	98	100	98





QC 品保部人員職責

Quality Assurance - staff responsibilities

- 相關品質檢驗，包括進料、製程、成品檢驗。
Related to quality inspection, including the feed, process, finished product testing.
- 不良品分析與相關統計作業之執行。
Defect analysis and related statistical operations executive.
- 品質異常問題之追蹤與處理。
Quality Problem tracking and dealing with anomalies.
- 品質系統之建立和執行。
Development and implementation of quality systems.
- 量規儀器校驗之執行與管理。
Gauge Calibration of the implementation and management.



IQC/FQC 進出貨檢驗

抽樣計畫表：

ANSI / ASQC Z1.4(II)計數值

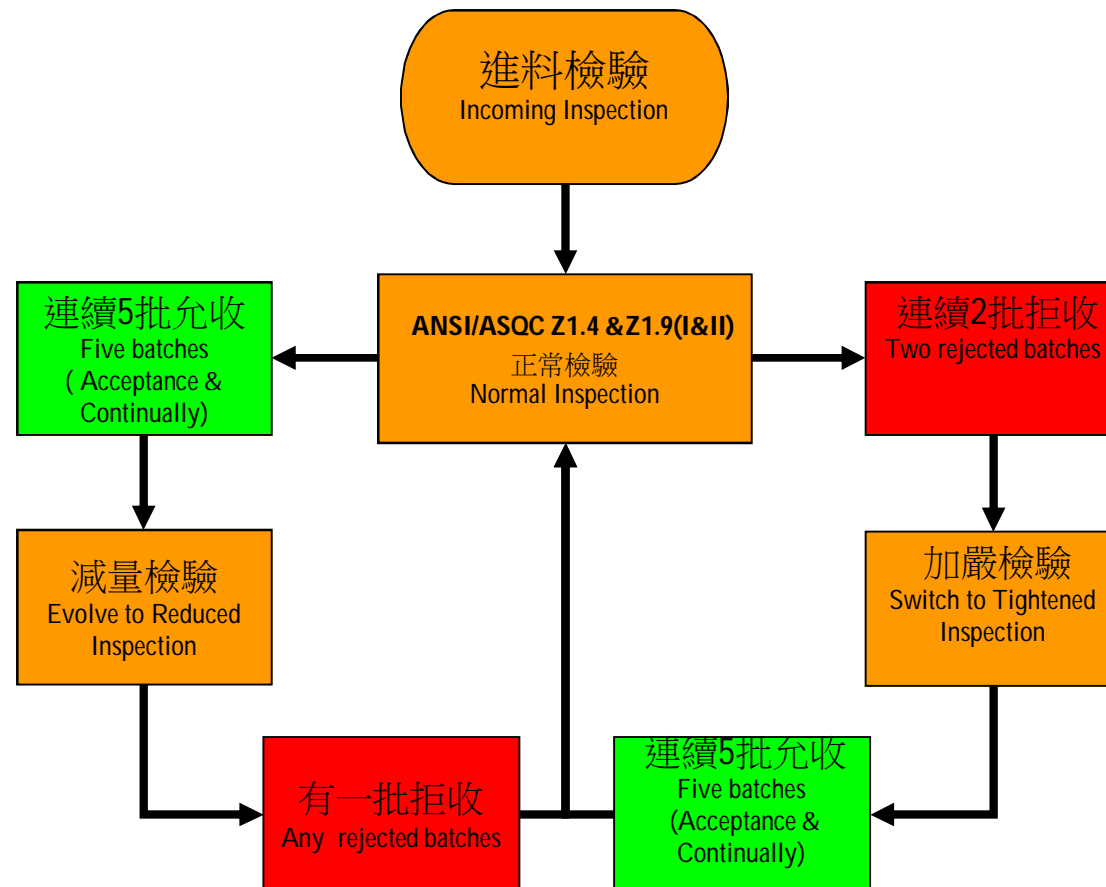
ANSI / ASQC Z1.9(II) 計量值

Sampling Plan：

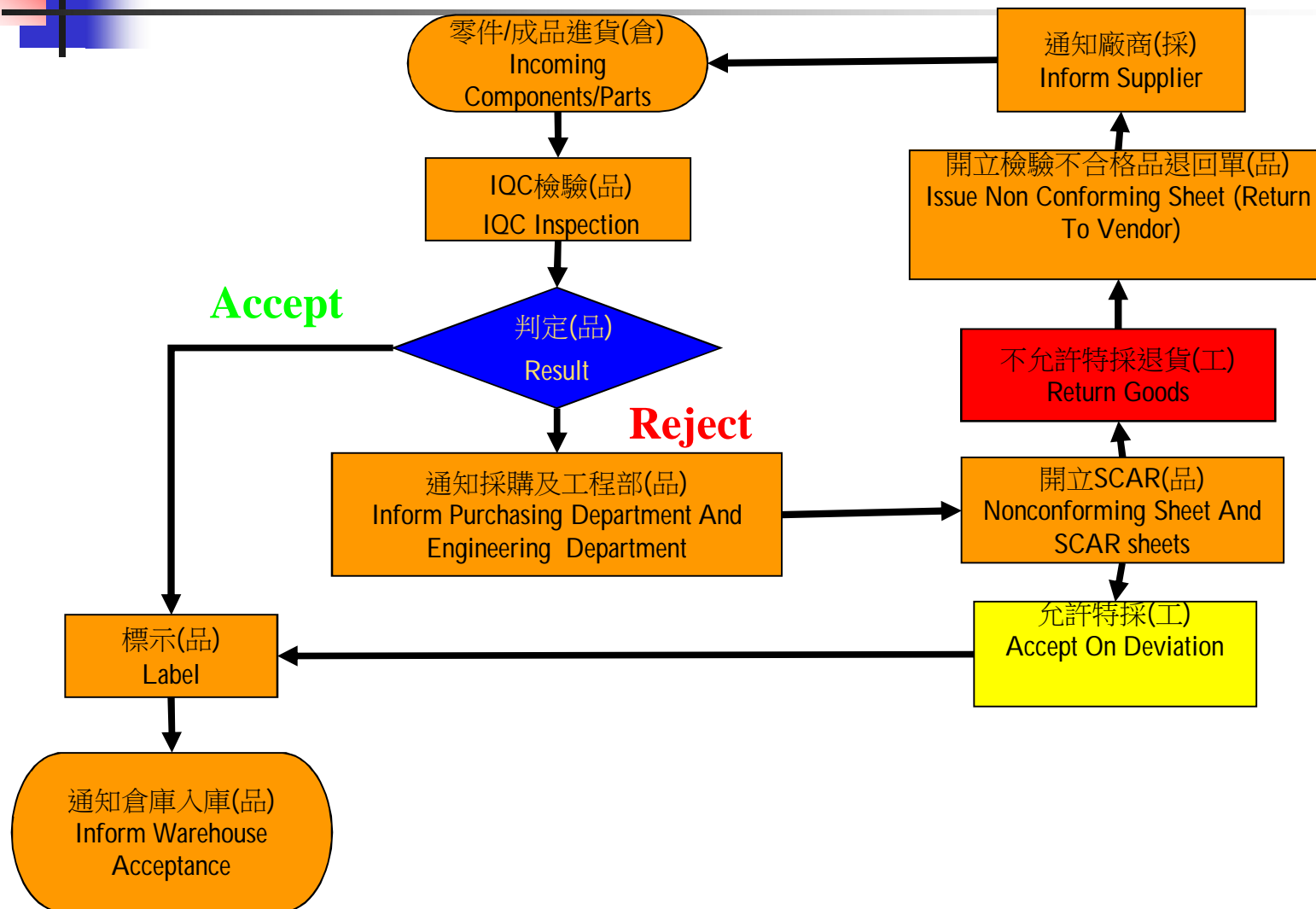
ANSI / ASQC Z1.4 Attributes

ANSI / ASQC Z1.9 Variables

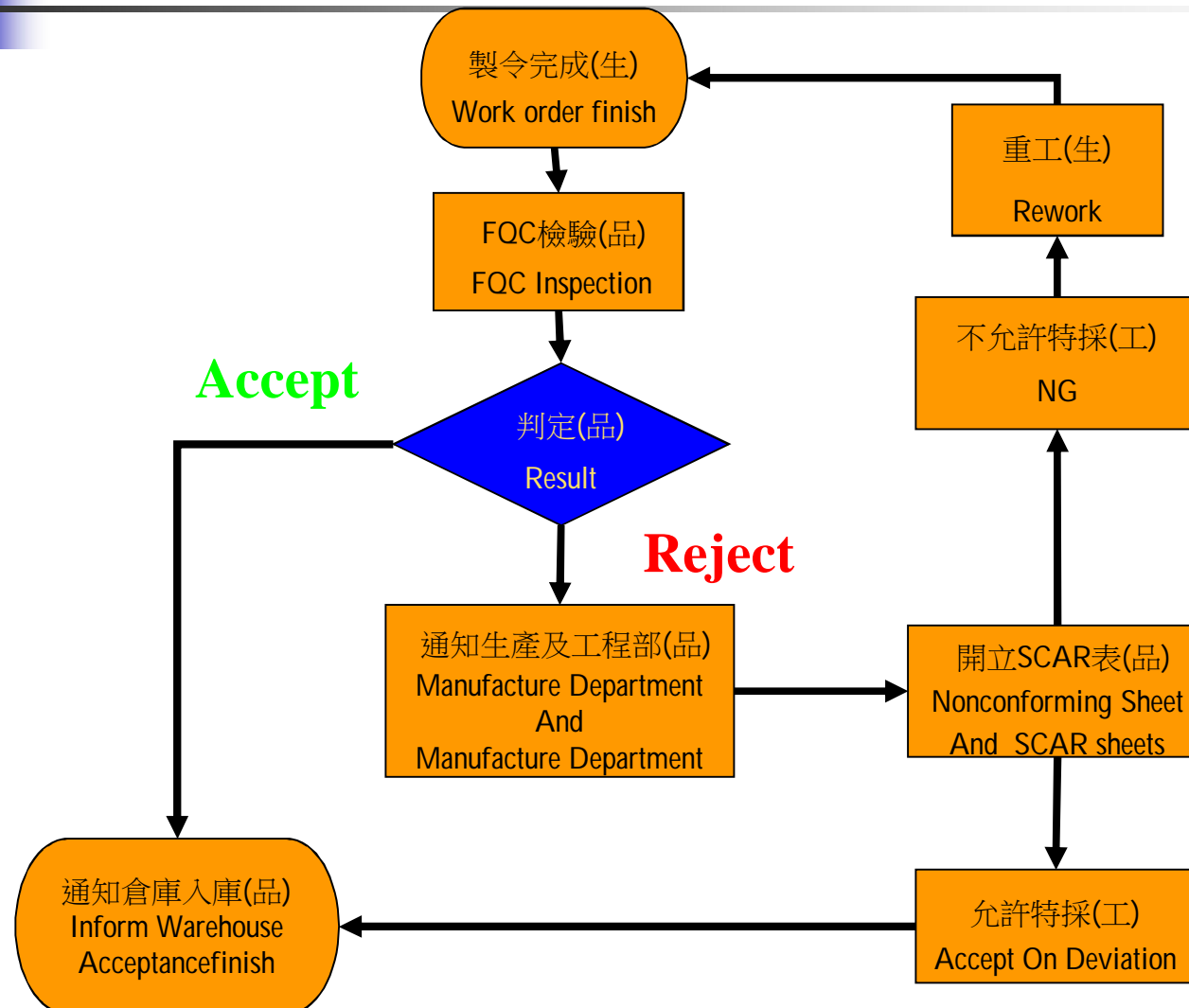
ANSI/ASQC Z1.4 & Z1.9 Sampling Chart

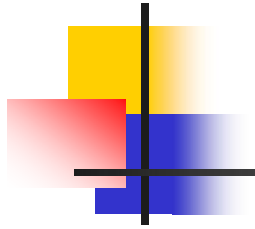


IQC chart



FQC chart



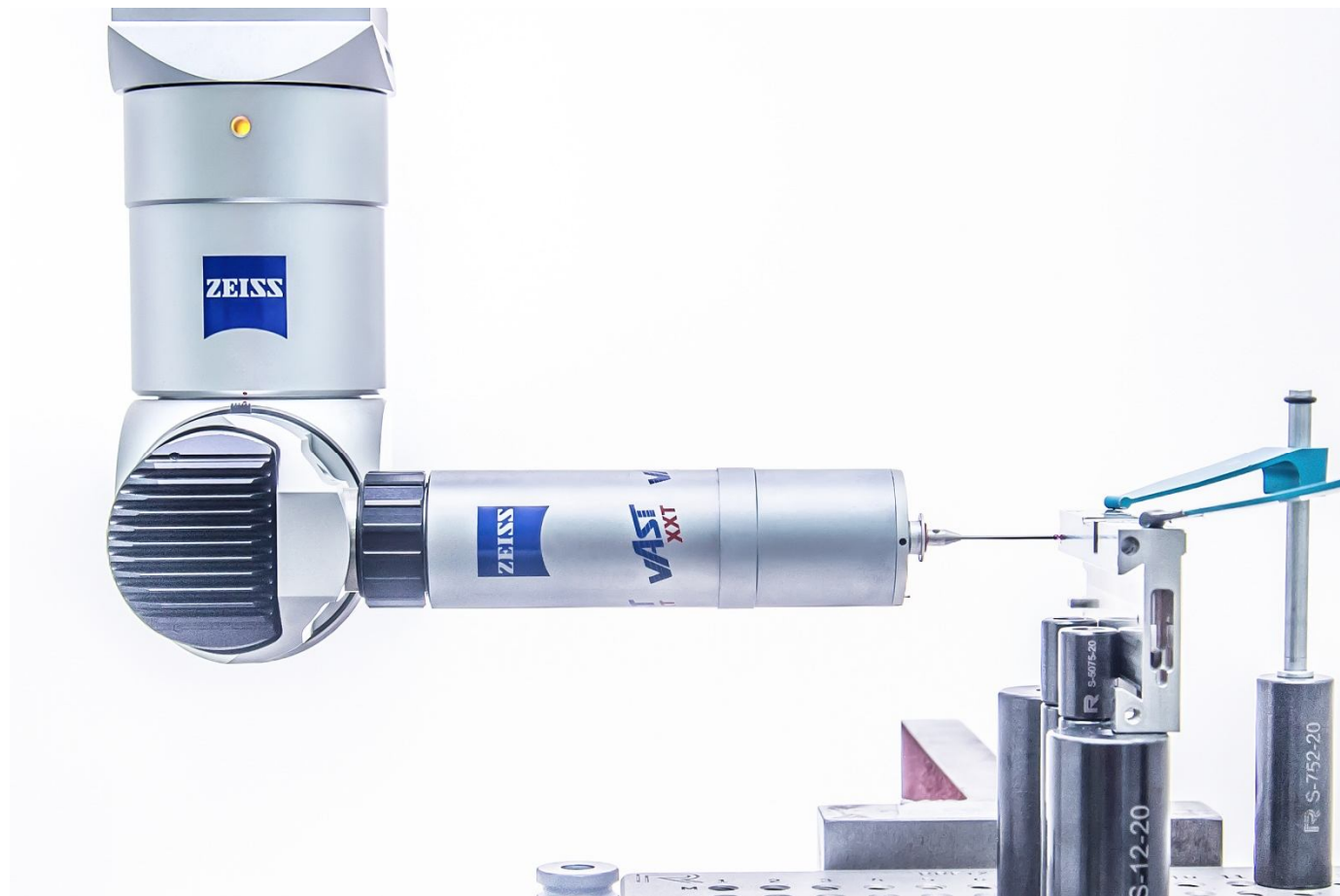


品保部設備

QA dept test equipment

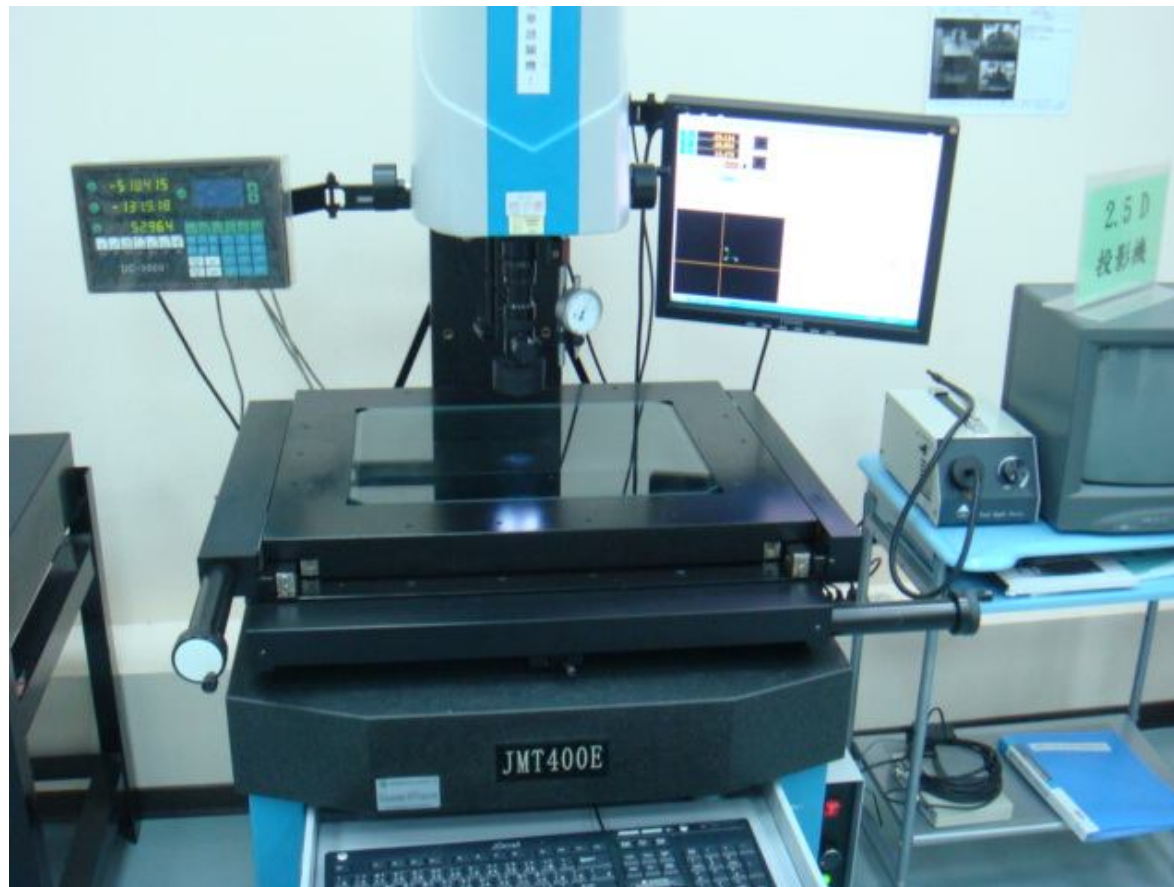
- ZEISS CMM三次元 ZEISS CMM
- 2.5D投影機 Optical Comparator
- 2.5D自動投影機 CNC Optical Comparator
- 分光測色計 (色差機) Photoelectric Colorimeter (color-difference meter)
- 重金屬元素分析儀 Handheld XRF Analysis
- 表面粗度儀 Surface Roughness Tester
- MI測試儀 MI Melt Index
- 拉力試驗機 Tensile Testing Machine
- 模厚機Film Thickness Gauge
- 洛氏表面硬度計Hardness Testers
- 恆溫恆溼測試設備Temp & Humidity Testing Machine

ZEISS CMM三次元



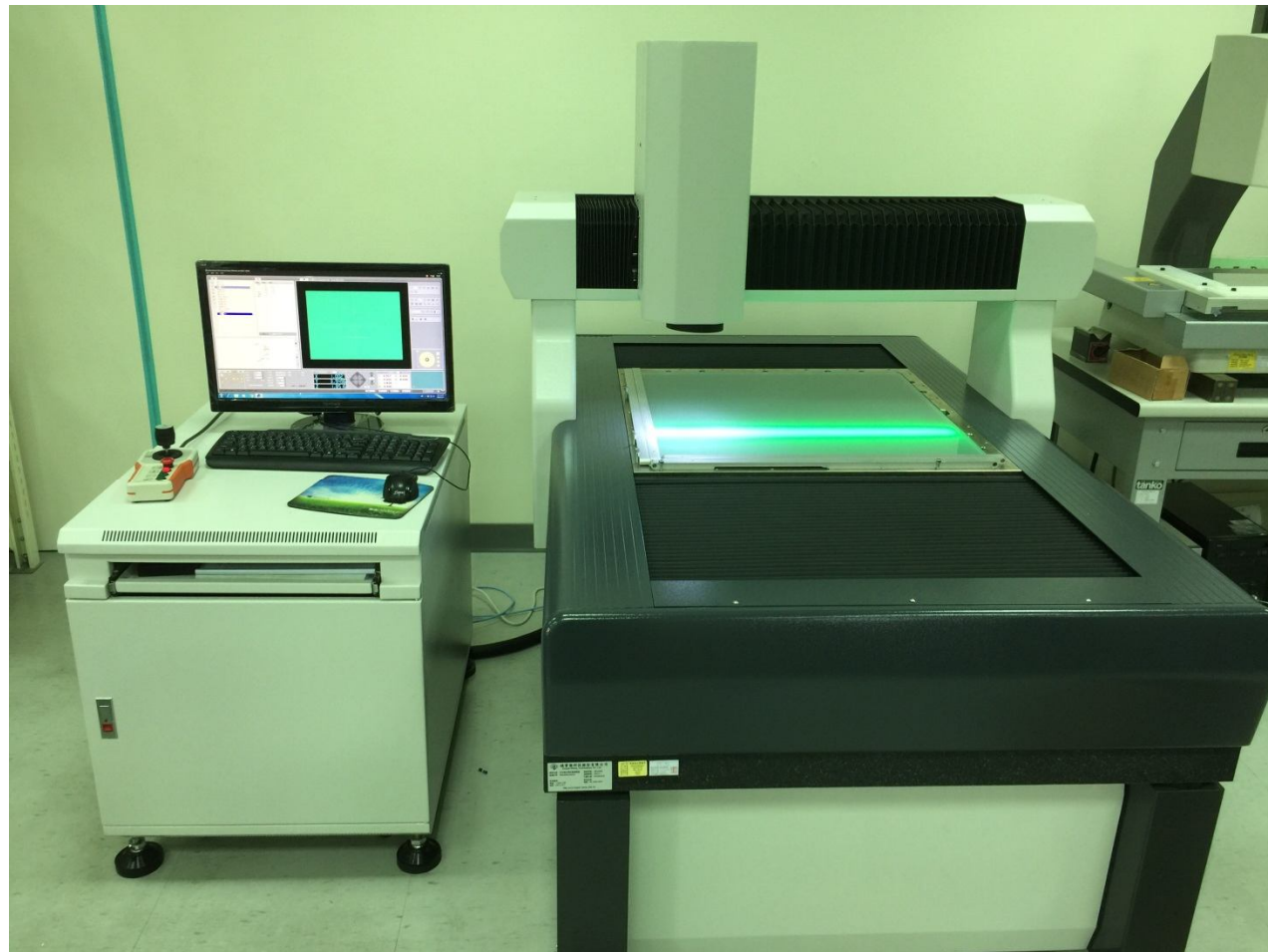
2.5D投影機

Optical Comparator



2.5次元影像量測儀

2.5D Image Processing Measuring Instrument



2.5D自動投影機

CNC Optical Comparator



分光測色計 (色差機)

Photoelectric Colorimeter (color-difference meter)



重金屬元素分析儀

Handheld XRF Analysis



表面粗度儀

Surface Roughness Tester



MI測試儀

MFI Melt Flow Index — ASTM D1238



拉力試驗機

Tensile Testing Machine



模厚機

Film Thickness Gauge



非接觸型膜厚計 Elcometer 550



洛氏表面硬度計 Hardness Testers



恆溫恆溼測試設備

Temp & Humidity Testing Machine



電子高度測定機

Linear Height Gauge



雷射測定機

Laser Scan Micrometer



品保部設備清單

QA department device list

	設 備 名 稱	廠 牌		設 備 名 稱	廠 牌
1	數位式兩圓中心距游標卡尺 Hole to Hole Caliper	WANON	16	塊規/150.000MM Gauge blocks	KAIZER
2	數位式面至圓中心距游標卡尺 Edge to Hole Caliper	WANON	17	塊規/200.000MM Gauge blocks	KAIZER
3	電子式游標卡尺200mm ×52 Electronic Caliper	Mitutoyo	18	柱規/ Plug gauges	Vermont
4	電子式游標卡尺150mm ×3 Electronic Caliper	Mitutoyo	19	柱規/ Plug gauges	Vermont
5	指針式300MM卡尺× 3 Dial Caliper	Mitutoyo	20	紙箱破裂試驗機 Bursting Strength Tester	駿諺
6	指針式扭力測試器 Torsion Meter	Tohnichi	21	推拉力機 Push & Pull Gauge	IMADA
7	膜厚機/ 6000-1 Thickness Tester	POSITECTOR	22	電子式螺紋分厘卡0-25mm Electronic Screw Thread Micrometer	Mitutoyo
8	指針式橡膠硬度計/68018 Hardness Tester	TECLOCK	23	螺紋三線規 5/16-18 Thread Gaging System	FOWLER
9	指針式橡膠硬度計/39776 Hardness Tester	TECLOCK	24	電子式水平儀 × 7 Electronic Levels	PRO
10	分厘卡(0-25mm) Micrometer	Mitutoyo	25	環規/50MM Ring gauges	BAKER
11	分厘卡(25-50mm) Micrometer	Mitutoyo	26	環規/99.998MM Ring gauges	BAKER
12	電子式高度規× 2 Electronic Height gauge	Mitutoyo	27	環規/150MM Ring gauges	BAKER
13	DC-3000/JMT400E 投影機 2.5D Optical Comparator	精實	28	環規/199.998MM Ring gauges	BAKER
14	塊規/50.000MM Gauge blocks	KAIZER	29	600mm卡尺× 2 Caliper	Mitutoyo
15	塊規/100.000MM Gauge blocks	KAIZER	30	50 lb 扭力起子 × 7 Torque wrench	Torqueleader

QA department device list (cont.)

	設 備 名 稱	廠 牌		設 備 名 稱	廠 牌
31	30 lb 扭力起子× 1 Torque wrench	Torqueleader	46	重金屬元素分析儀/XLI797	THERMO
32	三次元測定儀 Coordinate Measuring Machine (CMM)	ZEISS	47	VMA-2520 2.5D Optical Comparator	NIKON
33	分光測色計 Spectrophotometer	KONICA	48	拉力試驗機 Tensile Testing Machine	PRO TEST
34	PIN 5.00-10.00.025MM201 Plug gauges	EISEN	49	2.5D投影機DC-3000 2.5D Optical Comparator	CARMAR
35	表面粗度儀 Surface Roughness Tester	Mitutoyo	50	三次元測定儀14"VIDEO Coordinate Measuring Machine (CMM)	POLI
36	50 lb 扭力起子× 2 Torque wrench	Mountz	51	深度分厘卡0.01mm	MITUTOYO
37	塊規/1~100 × 2 Gauge blocks	KAIZER	52	蕭氏硬度計 Hardness Tester	KORI
38	指針式厚薄規(0~10mm) Thickness gauge	KORI	53	拉力測試機 Digital Force Gauge	Chatillon
39	測厚度錶× 2 Thickness Gages	SM	54	韋伯硬度計 Webster Hardness Testers	Webster
40	200LBS扭力扳手 × 4 Torque wrench	SNAP-ON	55	光澤度機 Glossmeter	KONICA
41	50 LBS扭力扳手× 24 Torque wrench	SNAP-ON	56	膜厚測定儀 Thickness Tester	FISCHER
42	150 LBS扭力扳手× 14 Torque wrench	SNAP-ON	57	洛氏表面硬度計 Hardness Testers	Mitutoyo
43	250 LBS扭力扳手× 5 Torque wrench	SNAP-ON	58	恆溫恆溼測試設備 Temp & Humi Testing Machine	Giant Force
44	熱熔指數儀 MI Melt Index	CEAST	59	電子高度測定機 Linear Height	Mitutoyo
45	花崗岩平台× 2 Granite Surface Plates	科威納	60	扭力測試機 Torque Tester	AWS-QC



QA department device list (cont.)

	設 備 名 稱	廠 牌		設 備 名 稱	廠 牌
61	2.5次元影像量測儀 2.5D Image Processing Measuring Instrument	JMT	76		
62	雷射測定機 Laser Scan Micrometer	Mitutoyo	77		
63			78		
64			79		
65			80		
66			81		
67			82		
68			83		
69			84		
70			85		
71			86		
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75			90		