



證書編號：PCM03-1301

財團法人全國認證基金會
Taiwan Accreditation Foundation

認證證書

茲證明

財團法人金屬工業研究發展中心

高雄市 811 楠梓區高楠公路 1001 號

為本會認證之產品驗證機構

認證依據：ISO/IEC Guide 65:1996 及其應用之詮釋文件

驗證方案：商品驗證登錄、自願性驗證

通過認證之其他場所地址：如續頁

認證編號：PCM 03

初次認證日期：九十六年二月七日

認證有效期間：一〇二年二月七日至一〇五年二月六日

認證範圍：PCM (機械類產品) (詳如續頁)



Product 010

董事長

陳介山

中華民國一〇二年一月二十九日



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通過認證之其他場所名／地址：

- 區域研發服務處（中區）／台中市 407 西屯工業區 37 路 25 號
- 區域研發服務處（北區）／台北市 106 信義路三段 162-24 號
- 產業升級服務處／高雄市 811 楠梓區高楠公路 1001 號

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機械類驗證登錄品目、檢驗標準及符合性評鑑程序之模式明細表

商品分類號列	品名	檢驗標準	符合性評鑑程序之模式
8467.21.00.00.5A	手提電鑽〔限檢驗交流電用手提電鑽〕	IEC 60745-1、IEC 60746-2-1、或 CNS 3264、CNS13783-1	Module 2+4/5/7
8467.21.00.00.5B	各種電鑽(沖、鉋擊電鑽及手提電鑽除外)〔限檢驗交流電用各種電鑽〕	IEC 60745-1、IEC 60746-2-1、CNS13783-1	Module 2+4/5/7
8467.21.00.00.5C	沖、鉋擊電鑽〔限檢驗交流電用沖、鉋擊電鑽〕	IEC 60745-1, IEC 60746-2-1 或 CNS 3264、CNS13783-1	Module 2+4/5/7
8467.22.00.00.4B	電鋸〔手提電動圓鋸機除外〕〔限檢驗交流電用電鋸〕	IEC 61029-1、CNS13783-1	Module 2+4/5/7
8467.29.10.00.5C	手提電刻磨機〔限檢驗交流電用手提電刻磨機〕	IEC 60745-1、IEC 60746-2-3、CNS13783-1	Module 2+4/5/7
8467.29.20.00.3	電剪〔限檢驗交流電用電剪〕	CNS13783-1	Module 2+4/5/7
8467.29.30.00.1	電動套筒扳手〔限檢驗交流電用套筒扳手〕	CNS13783-1	Module 2+4/5/7
8467.22.00.00.4A	手提電動圓鋸機	1. 具有木材加工功能之直流或交流電用手提電動圓盤鋸，必須符合「機械器具安全防護標準」(行政院勞工委員會於81年7月27日訂定，98年5月13日修正)之第4章、第116條及第120條規定要求。 2. 交流電用手提電動圓盤鋸尚必須符合以下檢驗標準:CNS 9811、CNS 9812(性能測試)、CNS13783-1	Module 2+4/5/7
8467.29.10.00.5A	手提式研磨機	1. 「機械器具安全防護標準」(行政院勞工委員會於81年7月27日訂定，98年5月13日修正)之第6章、第116條及第120條規定要求。 2. 交流電用手提式研磨機尚必須符合以下檢驗標準:CNS 3265、CNS 10609(性能測試)、CNS 13783-1	Module 2+4/5/7

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商品分類號列	品名	檢驗標準	符合性評鑑程序之模式
8467.29.10.00.5B	手提式圓盤型磨機	「機械器具安全防護標準」(行政院勞工委員會於81年7月27日訂定, 98年5月13日修正)之第6章、第116條及第120條規定要求。 - 交流電用手提式圓盤型磨機必須符合以下檢驗標準:CNS 3266、CNS 10610(性能測試)、CNS 13783-1	Module 2+4/5/7
8467.29.90.00.8	其他手工具(限檢驗其他具有木材加工功能之手提式電動圓盤鋸、具研磨功能之手提式動力工具、交流電用之電動手工具)	- 具有木材加工功能之手提式圓鋸機, 必須符合「機械器具安全防護標準」(行政院勞工委員會於81年7月27日訂定, 98年5月13日修正)之第4章、第116條及第120條規定要求。 - 具研磨功能之手提式動力工具, 必須符合「機械器具安全防護標準」(行政院勞工委員會於81年7月27日訂定, 98年5月13日修正)之第6章、第116條及第120條規定要求。 - 交流電用之電動手工具尚必須符合以下檢驗標準:CNS 13783-1	Module 2+4/5/7
8465.10.00.00.0	工具機, 在加工操作過程中, 毋須更換刀具而能完成不同操作者(限檢驗: 刀具固定者, 以人工進退料者為限; 倘工件固定者, 以刀具採取人工導引者為限, 且具有木材加工功能之圓盤鋸, 含製榫機及多軸製榫機)	機械器具安全防護標準(行政院勞工委員會於81年7月27日訂定, 98年5月13日修正)之第4章、第116條及第120條規定要求。	Module 2+3
8465.91.00.00.2	鋸床(限檢驗: 刀具固定者, 以人工進退料者為限; 倘工件固定者, 以刀具採取人工導引者為限, 且具有木材加工功能之圓盤鋸, 含製榫機及多軸製榫機)	機械器具安全防護標準(行政院勞工委員會於81年7月27日訂定, 98年5月13日修正)之第4章、第116條及第120條規定要求。	Module 2+3

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商品分類號列	品名	檢驗標準	符合性評鑑程序之模式
8465.96.00.00.7	開縫機、切片機或剝切機（限檢驗：刀具固定者，以人工進退料者為限；倘工件固定者，以刀具採取人工導引者為限，且具有木材加工功能之圓盤鋸，含製樺機及多軸製樺機）	機械器具安全防護標準（行政院勞工委員會於81年7月27日訂定，98年5月13日修正）之第4章、第116條及第120條規定要求。	Module 2+3
8465.99.90.00.5	其他第8465節所屬之工具機（限檢驗：刀具固定者，以人工進退料者為限；倘工件固定者，以刀具採取人工導引者為限，且具有木材加工功能之圓盤鋸，含製樺機及多軸製樺機）	機械器具安全防護標準（行政院勞工委員會於81年7月27日訂定，98年5月13日修正）之第4章、第116條及第120條規定要求。	Module 2+3
8467.22.00.00.4C	非電力驅動手提圓鋸機（限檢驗：具有木材加工功能之手提圓盤鋸）	機械器具安全防護標準（行政院勞工委員會於81年7月27日訂定，98年5月13日修正）之第4章、第116條及第120條規定要求。	Module 2+3
8460.90.90.10.7	砂輪機（限檢驗：研磨輪固定者，以人工進退料者為限；倘工件固定者，以研磨輪採取人工導引者為限）	機械器具安全防護標準（行政院勞工委員會於81年7月27日訂定，98年5月13日修正）之第6章、第118條及第120條規定要求。	Module 2+3
8464.20.00.00.9	石、陶器、混凝土、石棉水泥或類似礦物材料加工或玻璃冷作磨床或拋光機（限檢驗：研磨輪固定者，以人工進退料者為限；倘工件固定者，以研磨輪採取人工導引者為限）	機械器具安全防護標準（行政院勞工委員會於81年7月27日訂定，98年5月13日修正）之第6章、第118條及第120條規定要求。	Module 2+3
8465.93.00.00.0	木、骨、硬質橡膠或硬質塑膠材料加工用磨光機、砂光機或拋光機（限檢驗：研磨輪固定者，以人工進退料者為限；倘工件固定者，以研磨輪採取人工導引者為限）	機械器具安全防護標準（行政院勞工委員會於81年7月27日訂定，98年5月13日修正）之第6章、第118條及第120條規定要求。	Module 2+3
8467.11.90.00.8	其他旋轉式手提氣動工具（限檢驗旋轉式手提氣動研磨工具）	機械器具安全防護標準（行政院勞工委員會於81年7月27日訂定，98年5月13日修正）之第6章、第118條及第120條規定要求。	Module 2+3

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商品分類號列	品名	檢驗標準	符合性評鑑程序之模式
8467.99.00.00.2	其他第8467節所屬手提工具之零件(限檢驗手提研磨工具)	機械器具安全防護標準(行政院勞工委員會於81年7月27日訂定,98年5月13日修正)之第6章、第118條及第120條規定要求。	Module2+3
8462.10.10.00.1	鍛造機(限檢驗冷作鍛造,衝程>6mm,滑塊移動速度>30mm/s,人工上下料之鍛造機)	機械器具安全防護標準 98.05.13	Module 2+3
8462.10.20.00.9	模壓衝製機(包括壓床)(限檢驗冷作鍛造,衝程>6mm,滑塊移動速度>30mm/s,人工上下料之模壓衝製機)	機械器具安全防護標準 98.05.13	Module 2+3
8462.29.00.00.2	其它彎曲、摺疊、矯直或矯平之機器(限檢驗衝程>6mm,滑塊移動速度>30mm/s,人工上下料之摺床)	機械器具安全防護標準 98.05.13	Module 2+3
8462.31.00.00.8	數值控制剪機(限檢驗衝程>6mm,滑塊移動速度>30mm/s,人工上下料之剪機)	機械器具安全防護標準 98.05.13	Module 2+3
8462.39.00.00.0	其它剪機(限檢驗衝程>6mm,滑塊移動速度>30mm/s,人工上下料之剪機)	機械器具安全防護標準 98.05.13	Module 2+3
8462.41.00.00.6	數值控制衝孔或衝口工具機(包括壓床),包括衝剪複合機(限檢驗衝程>6mm,滑塊移動速度>30mm/s,人工上下料之數值控制衝孔或衝口工具機,包括衝剪複合機)	機械器具安全防護標準 98.05.13	Module 2+3
8462.49.00.00.8	其他衝孔或衝口工具機(包括壓床),包括衝剪複合機(限檢驗衝程>6mm,滑塊移動速度>30mm/s,人工上下料之數值控制衝孔或衝口工具機,包括衝剪複合機)	機械器具安全防護標準 98.05.13	Module 2+3

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商品分類號列	品名	檢驗標準	符合性評鑑程序之模式
8462.91.00.00.5	液壓機(限檢驗行程>6mm, 滑塊移動速度>30mm/s, 人工上下料之液(氣)壓機)	機械器具安全防護標準 98.05.13	Module 2+3
7213.10.00.00-7 7213.91.20.00-5 7214.20.00.00-4 7214.99.10.10-6 7214.99.10.20-4 7214.99.10.30-2 7214.99.10.40-0 7214.99.20.10-4 7214.99.20.20-2 7214.99.20.30-0 7214.99.20.40-8 7215.50.10.00-4 7215.50.20.00-2	鋼筋產品	ASTM A615/A615M ASTM A706/A706M BS相關標準規範 EN相關標準規範 DIN 相關標準規範 ISO 相關標準 CNS 2473 G3039 CNS 3300 A2045 CNS 3828 G3086 CNS 3892 G3091 CNS 560 A2006 CNS 8279 G1019 CNS 9552 A3169	Module 2+4/5/7
9613.10.00.00-9	袖珍型打火機, 不能再裝填瓦斯者(限檢驗 FOB 價格在 0.7 美元以下, 且燃料槽為塑膠材質之拋棄式打火機)	CNS 10666	Module 2
9613.20.00.00-7	袖珍型打火機, 可再裝填瓦斯者(限檢驗 FOB 價格在 0.7 美元以下, 且燃料槽為塑膠材質之簡易型打火機)	CNS 10666	Module 2
9613.80.90.00-5	其他打火機(限檢驗 FOB 價格在 0.7 美元以下, 且燃料槽為塑膠材質之拋棄式或簡易型打火機)	CNS 10666	Module 2

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機械類自願性驗證登錄品目、檢驗標準及符合性評鑑程序之模式明細表

品名	檢驗標準	符合性評鑑程序之模式
天然氣用微電腦膜式氣量計	CNS14741 之 8.2~8.29(不含 8.11、8.14、8.15、8.16、8.17、8.21、8.24、8.25、8.26)	ISO Guide 67 ➡ System 1a ➡ System 1b ➡ System 2 ➡ System 3 ➡ System 4 ➡ System 5 ➡ System 6 ■ Batch Test ■ 100% Test ■ 模式二 ■ 模式二加三 ■ 模式二加四 ■ 模式二加五 ■ 模式二加六 ■ 模式二加七
燃氣自動緊急遮斷裝置	CNS 13645 之 8.1.2~8.1.25(不含 8.1.7、8.1.21) 8.2.1~8.2.19(不含 8.2.2、8.2.7.2、8.2.14)	
螺栓螺絲螺帽扣件類產品	CNS 相關規範 ASTM 相關規範 ASME 相關規範 JIS 相關規範 ISO 相關規範 SAE 相關規範 IFI 相關規範 FED-STD-H28/20B BS相關標準規範 EN相關標準規範 DIN相關標準規範	
鐸接鋼線網產品	CNS 6919 G3132 ASTM 相關標準規範 JIS 相關標準規範 EN 相關標準規範	
預力鋼線，鋼絞線預力混凝土用鋼筋產品	CNS 3332 G3073 CNS 9272 G3192 ASTM A416/A416M-99 ASTM A370-97a A7 EN 相關標準規範	
鑄鐵製品	CNS 4994、CNS 4993、CNS 2472 第 8.3,8.4 節、CNS 10757 第 4.2 節、CNS 10804 第 12.2.4 節、AAMA 2605 第 7.5 節、ASTN 2794、ASTM E3 ASTM E340 第 7,8.5,8.6 節、 JIS G0553 第 4.1.1,4.2.1 節、 CNS 10438 第 4.1.1,4.2 節、 CNS 2869、JIS G5502、ASTM A247、 CNS 2869 第 11.4 to 11.6 節 BS 相關標準規範, EN 相關標準規範, ISO 相關標準規範, ASTM 相關標準規範, DIN 相關標準規範	

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品名	檢驗標準	符合性評鑑程序之模式
閥類產品(含防火閥類)	ASSE 1016 3.1 to 3.8 ISO 15848-1 Industrial valves — Measurement, test and qualification procedures for fugitive emissions — Part 1: Classification system and qualification procedures for type testing of valves ISO 15848-2 Industrial valves — Measurement, test and qualification procedures for fugitive emissions — Part 2: Production acceptance test of valves EN 12201-4 Plastic piping systems for water supply — Polyethylene (PE) — Part 4: Valves BS EN 13942 Petroleum and natural gas industries — Pipeline transportation systems — Pipeline valves (ISO 14313:2007 modified) ISO 14313 Petroleum and natural gas industries — Pipeline transportation systems — Pipeline valves ISO 17292 Metal ball valves for petroleum, petrochemical and allied industries	ISO Guide 67 ➤ System 1a ➤ System 1b ➤ System 2 ➤ System 3 ➤ System 4 ➤ System 5 ➤ System 6 ■ Batch Test ■ 100% Test ■ 模式二 ■ 模式二加三 ■ 模式二加四 ■ 模式二加五 ■ 模式二加六 ■ 模式二加七
	耐火試驗 ✓ CNS 14854 閥之試驗—耐火型式試驗要求事項 ✓ ISO 10497 Testing of valves-Fire type-testing requirement ✓ API STD 607 FIRE TEST FOR SOFT-SEATED QUARTER-TURN VALVES	

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品名	檢驗標準	符合性評鑑程序之模式
閥類產品(含防火閥類)	逸散性洩漏測試 - ANSI/ISA 93.00.01 STANDARD METHOD FOR THE EVALUATION OF EXTERNAL LEAKAGE OF MANUAL AND AUTOMATED ON-OFF VALVES - FCI 91-1 STANDARD FOR QUALIFICATION OF CONTROL VALVE STEM SEALS - ISO 15848-1 Industrial valves — Measurement, test and qualification procedures for fugitive emissions — Part 1: Classification system and qualification procedures for type testing of valves - TA-Luft VDI 2440 section 3.3.1.3	ISO Guide 67 ➔ System 1a ➔ System 1b ➔ System 2 ➔ System 3 ➔ System 4 ➔ System 5 ➔ System 6 ■ Batch Test ■ 100% Test ■ 模式二 ■ 模式二加三 ■ 模式二加四 ■ 模式二加五 ■ 模式二加六 ■ 模式二加七
	壓力試驗 --CNS 5961 閥之試驗總則 --API STD 598 VALVE INSPECTION AND TESTING --ISO 5208 INDUSTRIAL VALVES - PRESSURE TESTING OF VALVES --MSS SP 61 PRESSURE TESTING OF STEEL VALVES --MSS SP 82 VALVE PRESSURE TESTING METHODS --ASME B16.34 VALVES-FLANGED THREADED, AND WELDING END --prEN 12516-3 VALVES-SHELL DESIGN STRENGTH - PART 3: EXPERIMENTAL METHOD --prEN 12266-1 INDUSTRIAL VALVES - TECHNICAL CONDITIONS OF DELIVERY - PART 1: REQUIREMENTS TO BE FULFILLED BY EVERY VALVE --DIN 3230 TECHNICAL DELIVERY CONDITIONS FOR VALVES; COMPILATION OF TEST METHODS --JIS B2003 GENERAL RULES FOR INSPECTION OF VALVES --BS 6755 P1 TESTING OF VALVES. SPECIFICATION FOR PRODUCTION PRESSURE TESTING REQUIREMENTS	

中華民國一〇二年一月二十九日



證書編號：PCM03-1301

財團法人全國認證基金會
Taiwan Accreditation Foundation

認證編號：PCM03

機械類自願性驗證登錄品目、檢驗標準及符合性評鑑程序之模式明細表

品名	檢驗標準	符合性評鑑程序之模式
閥類產品(含防火閥類)	流量試驗 --ISA 75.02 CONTROL VALVE CAPACITY TEST PROCEDURES --IEC 60534-8.2 INDUSTRIAL-PROCESS CONTROL VALVES PART 8: NOISE CONSIDERATIONS SECTION TWO: LABORATORY MEASUREMENT OF NOISE GENERATED BY HYDRODYNAMIC FLOW THROUGH CONTROL VALVES --IEC 60534-8.4 INDUSTRIAL-PROCESS CONTROL VALVES PART 8: NOISE CONSIDERATIONS - SECTION 4: PREDICTION OF NOISE GENERATED BY HYDRODYNAMIC FLOW --UL 312 CHECK VALVES FOR FIRE-PROTECTION SERVICE --UL 1091 BUTTERFLY VALVES FOR FIRE-PROTECTION SERVICE	ISO Guide 67 ➔ System 1a ➔ System 1b ➔ System 2 ➔ System 3 ➔ System 4 ➔ System 5 ➔ System 6 ■ Batch Test ■ 100% Test ■ 模式二 ■ 模式二加三 ■ 模式二加四 ■ 模式二加五 ■ 模式二加六 ■ 模式二加七
攜帶式應用不可再充填灌有液化石油氣之金屬筒罐容器相關產品(攜帶式卡式爐、噴燈及一般填充打火機用燃料容器除外)	EN 417 Non-refillable metallic gas cartridges for liquefied petroleum gases, with or without a valve, for use with portable appliances - Construction, inspection, testing and marking	
鋼鐵及其他金屬製品	ISO 相關標準規範 BS 相關標準規範 EN 相關標準規範 DIN 相關標準規範 ASTM 相關標準規範 SAE 相關標準規範 JIS 相關標準規範 CNS 相關標準規範 產品為與食品接觸之製品，其材料或有害重金屬遷移量，應符合： 1. EC No.1935/2004 指令：與食物接觸的產品和原物料的相關規定，或 2. 衛生署食品器具、容器、包裝衛生標準，或 3. 日本食品衛生法，或 4. 美國聯邦食品藥品化妝品法 (FFDCA)	

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機械類自願性驗證登錄品目、檢驗標準及符合性評鑑程序之模式明細表

品名	檢驗標準	符合性評鑑程序之模式
鋼鐵結構物及其零件(如：橋及橋體段、水閘、塔、格狀桅桿、屋頂、屋頂架、門窗及其框架及門檻、百葉窗、欄杆、柱)；鋼鐵製板、桿、角形、型、管及類似品，已製作備結構物用者	CNS 相關規範、 ASTM 相關規範、 JIS 相關規範、 ISO 相關規範、 SAE 相關規範 BS 相關標準規範 EN 相關標準規範 DIN 相關標準規範	ISO Guide 67 ➤ System 1a ➤ System 1b ➤ System 2 ➤ System 3 ➤ System 4 ➤ System 5 ➤ System 6
手工具產品	CNS 相關規範、 ASTM 相關規範、 JIS 相關規範、 ISO 相關規範、 SAE 相關規範 BS 相關標準規範 EN 相關標準規範 DIN 相關標準規範	■ Batch Test ■ 100% Test ■ 模式二 ■ 模式二加三 ■ 模式二加四 ■ 模式二加五 ■ 模式二加六 ■ 模式二加七
水龍頭商品	ASME A112.18.1, ASSE 1016 CNS 13783-1, CNS 13783-2 CNS 相關標準規範、ASTM 相關標準規範、JIS 相關標準規範、ISO 相關標準規範、SAE 相關標準規範、BS 相關標準規範、EN 相關標準規範、 DIN 相關標準規範	

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機械類商品驗證登錄工廠檢查(模式七)品目明細表

商品分類 號列	品名
8467.21.00. 00.5A	手提電鑽〔限檢驗交流電用手提電鑽〕
8467.21.00. 00.5B	各種電鑽(沖、鉅擊電鑽及手提電鑽除外)〔限檢驗交流電用各種電鑽〕
8467.21.00. 00.5C	沖、鉅擊電鑽〔限檢驗交流電用沖、鉅擊電鑽〕
8467.22.00. 00.4B	電鋸〔手提電動圓鋸機除外)〔限檢驗交流電用電鋸〕
8467.29.10. 00.5C	手提電刻磨機〔限檢驗交流電用手提電刻磨機〕
8467.29.20. 00.3	電剪〔限檢驗交流電用電剪〕
8467.29.30. 00.1	電動套筒扳手〔限檢驗交流電用套筒扳手〕
8467.22.00. 00.4A	手提電動圓鋸機
8467.29.10. 00.5A	手提式研磨機
8467.29.10. 00.5B	手提式圓盤型磨機
8467.29.90. 00.8	其他手工工具(限檢驗其他具有木材加工功能之手提式電動圓盤鋸、具研磨功能之手提式動力工具、交流電用之電動手工工具)

註:上述 11 項工廠檢查(模式七)之認證資格符合 ISO/IEC Guide 65 標準。

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Certificate of Accreditation

This is to certify that

Metal Industries Research & Development Centre

No. 1001, Kaonan Highway, Kaohsiung 811, Taiwan, R.O.C.

**is accredited in respect of
Product Certification Work**

Accreditation Criteria:

ISO/IEC Guide 65:1996 and Guidance on the Application

Certification Scheme:

(See described in the Appendix)

Names and addresses of the sites covered by the Accreditation:

(See described in the Appendix)

Accreditation Number : PCM03

Originally Accredited : February 07, 2007

Effective Period : February 07, 2013 to February 06, 2016

Accredited Scope : PCM (Mechanical Products)
(See described in the Appendix)



Jay-San Chen

Jay-San Chen
President, Taiwan Accreditation Foundation



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Taiwan Accreditation Foundation

Accreditation Number : PCM03

Certification Scheme:

- The Registration of Product Certification Scheme
- Voluntary Product Certification (VPC)

Names and addresses of the sites covered by the Accreditation:

- Regional R&D service department (Taichung) / 25, 37 Rd., Industrial Area, Taichung 407, Taiwan, R.O.C.
- Regional R&D service department (Taipei) / 162-24, 6F, Hsin-Yi Rd., Section 3, Taipei 106, Taiwan, R.O.C.
- Industrial upgrading service department / 1001, Kaonan Highway, Kaohsiung 811, Taiwan, R.O.C.



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List of RPC Codes, Standards and CAP Modules (Mechanical products)

C.C.C. Codes	Items	Standards	CAP Modules
8467.21.00.00.5A	Portable electric drilling machine	IEC 60745-1, IEC 60746-2-1 or CNS 3264、CNS13783-1	Module 2+4/5/7
8467.21.00.00.5B	electric drilling machine(except portable electric circular electric drilling machine)	IEC 60745-1, IEC 60746-2-1、CNS13783-1	Module 2+4/5/7
8467.21.00.00.5C	Other electric drilling machine (inspection scope: electric circular drilling machine)	IEC 60745-1, IEC 60746-2-1 or CNS 3264、CNS13783-1	Module 2+4/5/7
8467.22.00.00.4B	electric saws(except portable electric circular saws)	IEC 61029-1、CNS13783-1	Module 2+4/5/7
8467.29.10.00.5C	Electric die grinders for hand held	IEC 60745-1、IEC 60746-2-3、CNS13783-1	Module 2+4/5/7
8467.29.20.00.3	electric scissors	CNS13783-1	Module 2+4/5/7
8467.29.30.00.1	electric impact wrench	CNS13783-1	Module 2+4/5/7
8467.22.00.00.4A	Portable electric circular saws	Standard of Prevention and Safety Guarding Devices - Machinery and Tools(May 13, 2009) announced by the Council of Labor Affairs Note : If there is any inconsistency in certificates with different languages, the content of the certificates shall be ruled by Chinese text.	Module 2+4/5/7
8467.29.10.00.5A	Hand-held grinders	As above	Module 2+4/5/7
8467.29.10.00.5B	Hand-held disc grinders	As above	Module 2+4/5/7
8467.29.90.00.8	Other mechanical tools for working in the hand (inspection scope: only for portable electric circular saws for wood working, hand-held power tools for grinding works, and hand-held electric tools of AC power)	As above	Module 2+4/5/7



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List of RPC Codes, Standards and CAP Modules (Mechanical products)

C.C.C. Codes	Items	Standards	CAP Modules
8465.10.00.00.0	Machines which can carry out different types of machining operations without tool change between such operations (inspection scope: Circular sawing (single- or multi-blade) machines, mortising machines, multi-axis mortising machines for wood working, and 1. the product with fixed sawing wheel(s) during sawing, having a fixed bed or support with manual loading and/or unloading of the workpiece; or 2. the product with fixed workpiece during sawing, having the movable sawing wheel(s) guided manually.)	Standard of Prevention and Safety Guarding Devices – Machinery and Tools(May 13, 2009) announced by the Council of Labor Affairs Note : If there is any inconsistency in certificates with different languages, the content of the certificates shall be ruled by Chinese text.	Module 2+3
8465.91.00.00.2	Sawing machines (inspection scope: Circular sawing (single- or multi-blade) machines, mortising machines, multi-axis mortising machines for wood working, and 1. the product with fixed sawing wheel(s) during sawing, having a fixed bed or support with manual loading and/or unloading of the workpiece; or 2. the product with fixed workpiece during sawing, having the movable sawing wheel(s) guided manually.)	As above	Module 2+3



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List of RPC Codes, Standards and CAP Modules (Mechanical products)

C.C.C. Codes	Items	Standards	CAP Modules
8465.96.00.00.7	Splitting, slicing or paring machines (inspection scope: Circular sawing (single- or multi-blade) machines, mortising machines, multi-axis mortising machines for wood working, and 1. the product with fixed sawing wheel(s) during sawing, having a fixed bed or support with manual loading and/or unloading of the workpiece; or 2. the product with fixed workpiece during sawing, having the movable sawing wheel(s) guided manually.)	Standard of Prevention and Safety Guarding Devices – Machinery and Tools(May 13, 2009) announced by the Council of Labor Affairs Note : If there is any inconsistency in certificates with different languages, the content of the certificates shall be ruled by Chinese text.	Module 2+3
8465.99.90.00.5	Other machine-tools of heading 84.65 (inspection scope: Circular sawing (single- or multi-blade) machines, mortising machines, multi-axis mortising machines for wood working, and 1. the product with fixed sawing wheel(s) during sawing, having a fixed bed or support with manual loading and/or unloading of the workpiece; or 2. the product with fixed workpiece during sawing, having the movable sawing wheel(s) guided manually.)	As above	Module 2+3
8467.22.00.00.4C	Portable circular saws, except for driven by electric power (inspection scope: portable electric circular saws for wood working)	As above	Module 2+3



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List of RPC Codes, Standards and CAP Modules (Mechanical products)

C.C.C. Codes	Items	Standards	CAP Modules
8460.90.90.10.7	Electric grinders (inspection scope: 1. the product with fixed grinding wheel(s) during grinding, having a fixed bed or support with manual loading and/or unloading of the workpiece; or 2. the product with fixed workpiece during grinding, having the movable grinding wheel(s) guided manually.)	Standard of Prevention and Safety Guarding Devices – Machinery and Tools(May 13, 2009) announced by the Council of Labor Affairs Note : If there is any inconsistency in certificates with different languages, the content of the certificates shall be ruled by Chinese text.	Module 2+3
8464.20.00.00.9	Grinding or polishing machines for working stone, ceramics, concrete, asbestos-cement or like mineral materials or for cold-working glass (inspection scope: 1. the product with fixed grinding wheel(s) during grinding, having a fixed bed or support with manual loading and/or unloading of the workpiece; or 2. the product with fixed workpiece during grinding, having the movable grinding wheel(s) guided manually.)	As above	Module 2+3
8465.93.00.00.0	Grinding, sanding or polishing machines for wood, bone, hard rubber or hard plastic materials working (inspection scope: 1. the product with fixed grinding wheel(s) during grinding, having a fixed bed or support with manual loading and/or unloading of the workpiece; or 2. the product with fixed workpiece during grinding, having the movable grinding wheel(s) guided manually.)	As above	Module 2+3



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List of RPC Codes, Standards and CAP Modules (Mechanical products)

C.C.C. Codes	Items	Standards	CAP Modules
8467.11.90.00.8	Other pneumatic tools, rotary type, for working in the hand (inspection scope: only for the portable pneumatic grinding tools, rotary type)	Standard of Prevention and Safety Guarding Devices - Machinery and Tools(May 13, 2009) announced by the Council of Labor Affairs Note : If there is any inconsistency in certificates with different languages, the content of the certificates shall be ruled by Chinese text.	Module 2+3
8467.99.00.00.2	Other parts of tools for working in the hand of heading 84.67 (inspection scope: only for the portable grinding tools, rotary type)	As above	Module 2+3
8462.10.10.00.1	Forging machines (inspection scope: forging machines for the cold working of metals, with manual loading and/or unloading, whose movable working parts may have a travel exceeding 6 mm and a speed exceeding 30 mm/s)	As above	Module 2+3
8462.10.20.00.9	Die-stamping machines (including presses) (inspection scope: Die-stamping machines for the cold working of metals, with manual loading and/or unloading, whose movable working parts may have a travel exceeding 6 mm and a speed exceeding 30 mm/s)	As above	Module 2+3
8462.29.00.00.2	Other bending, folding, straightening or flattening machines for metal (inspection scope: folding machines with manual loading and/or unloading, whose movable working parts may have a travel exceeding 6 mm and a speed exceeding 30 mm/s)	As above	Module 2+3



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List of RPC Codes, Standards and CAP Modules (Mechanical products)

C.C.C. Codes	Items	Standards	CAP Modules
8462.31.00.00.8	Numerically controlled shearing machines (inspection scope: shearing machines with manual loading and/or unloading, whose movable working parts may have a travel exceeding 6 mm and a speed exceeding 30 mm/s)	Standard of Prevention and Guarding Devices – Machinery and Tools (July 30, 2004) or Standard of Prevention and Safety Guarding Devices – Machinery and Tools (May 13, 2009) announced by the Council of Labor Affairs	Module 2+3
8462.39.00.00.0	Other shearing machines (inspection scope: shearing machines with manual loading and/or unloading, whose movable working parts may have a travel exceeding 6 mm and a speed exceeding 30 mm/s)	As above	Module 2+3
8462.41.00.00.6	Numerically controlled punching or notching machines (including presses), including combined punching and shearing machines (inspection scope: numerically controlled punching or notching machines, including combined punching and shearing machines with manual loading and/or unloading, whose movable working parts may have a travel exceeding 6 mm and a speed exceeding 30 mm/s)	As above	Module 2+3
8462.49.00.00.8	Other punching or notching machines (including presses), including combined punching and shearing machines (inspection scope: numerically controlled punching or notching machines, including combined punching and shearing machines with manual loading and/or unloading, whose movable working parts may have a travel exceeding 6 mm and a speed exceeding 30 mm/s)	As above	Module 2+3



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List of RPC Codes, Standards and CAP Modules (Mechanical products)

C.C.C. Codes	Items	Standards	CAP Modules
8462.91.00.00.5	Hydraulic presses (inspection scope: hydraulic and/or pneumatic presses with manual loading and/or unloading, whose movable working parts may have a travel exceeding 6 mm and a speed exceeding 30 mm/s)	Standard of Prevention and Guarding Devices – Machinery and Tools (July 30, 2004) or Standard of Prevention and Safety Guarding Devices – Machinery and Tools (May 13, 2009) announced by the Council of Labor Affairs	Module 2+3
7213.10.00.00-7 7213.91.20.00-5 7214.20.00.00-4 7214.99.10.10-6 7214.99.10.20-4 7214.99.10.30-2 7214.99.10.40-0 7214.99.20.10-4 7214.99.20.20-2 7214.99.20.30-0 7214.99.20.40-8 7215.50.10.00-4 7215.50.20.00-2	Steel bar for building	ASTM A615/A615M ASTM A706/A706M BS, DIN, EN, ISO relative standard(s)/specification(s) CNS 2473 G3039 CNS 3300 A2045 CNS 3828 G3086 CNS 3892 G3091 CNS 560 A2006 CNS 8279 G1019 CNS 9552 A3169	Module 2+4/5/7
9613.10.00.00-9	Pocket lighters, gas fuelled, non-refillable	CNS 10666	Module 2
9613.20.00.00-7	Pocket lighters, gas fuelled, refillable	CNS 10666	Module 2
9613.80.90.00-5	Other lighters	CNS 10666	Module 2



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List of VPC, Standards and CAP Modules (Mechanical products)

Items	Standards	CAP Modules
microprocessor-based gas meter (equipped with auto safety-checking and disaster-preventing devices)	CNS14741 cl.8.2~8.29 (Excluding: 8.11、8.14、8.15、8.16、8.17、8.21、8.24、8.25、8.26)	ISO Guide 67 System 1a System 1b System 2 System 3 System 4 System 5 System 6 ■ Batch Test ■ 100% Test ■ Module 2 ■ Module 2+3 ■ Module 2+4 ■ Module 2+5 ■ Module 2 + 7
Automatic emergency breaker (valves)(for gas supply)	CNS 13645 cl. 8.1.2~8.1.25 (Excluding 8.1.7、8.1.21)、8.2.1~8.2.19 (Excluding 8.2.2、8.2.7.2、8.2.14)	
Fasteners	CNS, ASTM, ASME, JIS, ISO, BS, EN, DIN SAE、IFI relative specification and FED-STD-H28/20B	
Cloth, Grill, netting, fencing or other woven products, of iron, steel wire, or others metals, welded at the intersection plated or coated with zinc and other	CNS 6919 G3132 ASTM, ASME, JIS, ISO, BS, EN, DIN,SAE relative standard(s)/specification(s)	
Stranded wire for prestressed concrete, of steel	CNS 3332 G3073 CNS 9272 G3192 ASTM A416/ A416M-99 ASTM A370-97a A7	
Cast Iron Products	CNS 4994, CNS 4993, CNS 2472 8.3,8.4, CNS 10757 4.2, CNS 10804 12.2.4, AAMA 2605 7.5, ASTM 2794, ASTM E3, ASTM E340 7.8.5,8.6, JIS G0553 4.1.1,4.2.1, CNS 10438 4.1.1,4.2, CNS 2869, JIS G5502 及 JIS relative standard(s)/specification(s) ASTM A247, CNS 2869 11.4 to 11.6, ASTM, ASME, JIS, ISO, BS, EN, DIN relative standard(s)/specification(s)	



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List of VPC, Standards and CAP Modules (Mechanical products)

Items	Standards	CAP Modules
Valves	ASSE 1016 3.1 to 3.8 ISO 15848-1 Industrial valves – Measurement, test and qualification procedures for fugitive emissions – Part 1: Classification system and qualification procedures for type testing of valves ISO 15848-2 Industrial valves – Measurement, test and qualification procedures for fugitive emissions – Part 2: Production acceptance test of valves EN 12201-4 Plastic piping systems for water supply – Polyethylene (PE) – Part 4: Valves BS EN 13942 Petroleum and natural gas industries – Pipeline transportation systems – Pipeline valves (ISO 14313:2007 modified) ISO 14313 Petroleum and natural gas industries – Pipeline transportation systems – Pipeline valves ISO 17292 Metal ball valves for petroleum, petrochemical and allied industries ISO, BS, EN, DIN relative standard(s)	ISO Guide 67 System 1a System 1b System 2 System 3 System 4 System 5 System 6 ■ Batch Test ■ 100% Test ■ Module 2 ■ Module 2+3 ■ Module 2+4 ■ Module 2+5 ■ Module 2 + 7
	Fire testing ✓CNS 14854 Testing of valves – Fire type-testing requirements ✓ISO 10497 Testing of valves-Fire type-testing requirement (API STD 607 FIRE TEST FOR SOFT-SEATED QUARTER-TURN VALVES)	



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List of VPC, Standards and CAP Modules (Mechanical products)

Items	Standards	CAP Modules
Valves	Fugitive emissions Test ✓ ANSI/ISA 93.00.01 STANDARD METHOD FOR THE EVALUATION OF EXTERNAL LEAKAGE OF MANUAL AND AUTOMATED ON-OFF VALVES ✓ FCI 91-1 STANDARD FOR QUALIFICATION OF CONTROL VALVE STEM SEALS ✓ ISO 15848-1 Industrial valves – Measurement, test and qualification procedures for fugitive emissions – Part 1: Classification system and qualification procedures for type testing of valves ✓ TA-Luft VDI 2440 section 3.3.1.3	ISO Guide 67 System 1a System 1b System 2 System 3 System 4 System 5 System 6 ■ Batch Test ■ 100% Test ■ Module 2 ■ Module 2+3 ■ Module 2+4 ■ Module 2+5 ■ Module 2 + 7
	Pressure Test: --CNS 5961 (General : Valve Test) --API STD 598 VALVE INSPECTION AND TESTING --ISO 5208 INDUSTRIAL VALVES - PRESSURE TESTING OF VALVES --MSS SP 61 PRESSURE TESTING OF STEEL VALVES --MSS SP 82 VALVE PRESSURE TESTING METHODS --ASME B16.34 VALVES-FLANGED THREADED, AND WELDING END --prEN 12516-3 VALVES-SHELL DESIGN STRENGTH - PART 3: EXPERIMENTAL METHOD --prEN 12266-1 INDUSTRIAL VALVES - TECHNICAL CONDITIONS OF DELIVERY - PART 1: REQUIREMENTS TO BE FULFILLED BY EVERY VALVE --DIN 3230 TECHNICAL DELIVERY CONDITIONS FOR VALVES; COMPILATION OF TEST METHODS --JIS B2003 GENERAL RULES FOR INSPECTION OF VALVES --BS 6755 P1 TESTING OF VALVES. SPECIFICATION FOR PRODUCTION PRESSURE TESTING REQUIREMENTS	



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List of VPC, Standards and CAP Modules (Mechanical products)

Items	Standards	CAP Modules
Valves	Flow Rate Test:: --ISA 75.02 CONTROL VALVE CAPACITY TEST PROCEDURES --IEC 60534-8.2(1991) INDUSTRIAL-PROCESS CONTROL VALVES PART 8: NOISE CONSIDERATIONS SECTION TWO: LABORATORY MEASUREMENT OF NOISE GENERATED BY HYDRODYNAMIC FLOW THROUGH CONTROL VALVES --IEC 60534-8-4 INDUSTRIAL-PROCESS CONTROL VALVES PART 8: NOISE CONSIDERATIONS - SECTION 4: PREDICTION OF NOISE GENERATED BY HYDRODYNAMIC FLOW --UL 312 CHECK VALVES FOR FIRE-PROTECTION SERVICE --UL 1091 BUTTERFLY VALVES FOR FIRE-PROTECTION SERVICE	ISO Guide 67 System 1a System 1b System 2 System 3 System 4 System 5 System 6 ■ Batch Test ■ 100% Test ■ Module 2 ■ Module 2+3 ■ Module 2+4 ■ Module 2+5 ■ Module 2 + 7
Non-refillable metallic gas cartridges for liquefied petroleum gases, with or without a valve, for use with portable appliances	EN 417 Non-refillable metallic gas cartridges for liquefied petroleum gases, with or without a valve, for use with portable appliances - Construction, inspection, testing and marking	



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List of VPC, Standards and CAP Modules (Mechanical products)

Items	Standards	CAP Modules
Articles of iron, steel, or other metals	ASTM, ASME, JIS, ISO, BS, EN, DIN, SAE relative standard(s)/ specification(s) The Food Contact Materials shall conform to the requirement of 1. EC No.1935/2004 Directive, or 2. Standard of health for food device, container, package announced by Department of Health, or 3. Food Sanitation Law of Japan, or 4. The Federal Food, Drug, and Cosmetic Act (FFDCA), USA.	ISO Guide 67 System 1a System 1b System 2 System 3 System 4 System 5 System 6
stress-relieved steel wires and strands for prestressed concrete	CNS 3332 G3073, CNS 9272 G3192, ASTM A416/ A416M, ASTM A370 A7 ASTM, ASME, JIS, ISO, BS, EN, DIN,SAE relative standard(s)/specification(s)	■ Batch Test ■ 100% Test ■ Module 2 ■ Module 2+3 ■ Module 2+4 ■ Module 2+5 ■ Module 2 + 7
Structures and parts of structures, of iron or steel plates, rods, angles, shapes, sections, tubes and the like	CNS, ASTM, JIS, ISO and SAE relative specification	
Hand Held Tools	CNS, ASTM, JIS, ISO, BS, EN, DIN, BS, EN, DIN, and SAE relative specification	
Faucet	ASME A112.18.1, ASSE 1016 CNS 13783-1, CNS 13783-2 ASTM, ASME, JIS, ISO, BS, EN, DIN relative standard(s)/specification(s)	



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List of RPC Codes for Factory Inspection (Module 7)

C.C.C. Codes	Items
8467.21.00. 00.5A	Portable electric drilling machine
8467.21.00. 00.5B	electric drilling machine(except portable electric circular electric drilling machine)
8467.21.00. 00.5C	Other electric drilling machine (inspection scope: electric circular drilling machine)
8467.22.00. 00.4B	electric saws(except portable electric circular saws)
8467.29.10. 00.5C	Electric die grinders for hand held
8467.29.20. 00.3	electric scissors
8467.29.30. 00.1	electric impact wrench
8467.22.00. 00.4A	Portable electric circular saws
8467.29.10. 00.5A	Hand-held grinders
8467.29.10. 00.5B	Hand-held disc grinders
8467.29.90. 00.8	Other mechanical tools for working in the hand (inspection scope: only for portable electric circular saws for wood working, hand-held power tools for grinding works , and hand-held electric tools of AC power)

Note: The above accredited scopes are complied with ISO/IEC Guide 65.