

CHE^N-AN

TOOL PRESETTER

刀具設定儀



榮獲台灣精品標誌

SYMBOL OF EXCELLENCE WINNER



■公司簡介

晟安機械有限公司成立於1986年，成立初期從事CNC綜合加工機之機械零件加工業，進而專業於刀具設定儀，二次元高度測量儀，三次元座標測量儀等之精密的CNC配件的開發與研究。

由於產品之精度及耐用性佳，在1996年榮獲經濟部台灣精品認證，經由本公司同仁之不斷的努力，創新與開發，使得“晟安”產品獲得國內外客戶的肯定與好評，也贏得“刀具設定儀”之優良品牌的形象展望結合高科技，邁向國際舞台，提供高品質的產品與服務，是我們貫徹經營的理念與方針。

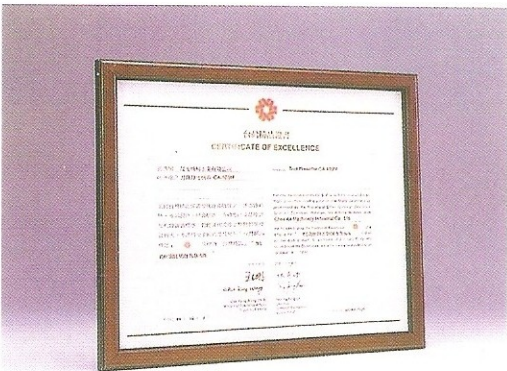


■產品功能與特色

- 刀具設定儀 主要為CNC立式臥式切削加工機、綜合加工機、搪銑床、車床、鑽床等自動化機械之刀具設定與檢測而設計，以節省設定刀具的時間及確保各個刀具與工件的位置。
- 可用來測量刀具的孔徑、真圓度、直角度的準確與否，是品管室檢測儀器之最佳選擇，也是一般木工機、金屬刀具、零組件加工業者檢測刀具之最佳助手。
- 本機主軸座可利用不同規格之套筒(BT#50, #40, #30)作不同規格刀柄之刀具測量。
- 本機主軸採用特殊合金鋼材，經過正常化—滲碳—生冷處理後，中心孔再研磨，所以鋼性好，永不變形！
- 本機所有鑄件皆經過燒焯穩定處理，耐用性佳，不易變形。

■品管標準

依照CNS國家檢驗標準，實施書面標準化檢驗制度。



獲頒經濟部台灣精品證書
SYMBOL OF EXCELLENCE WINNER

■COMPANY PROFILE

Chen An Machinery Ind. Co. Ltd. was established in 1986. In the beginning, we manufactured only the machine parts, tool holders and other machine accessories for the CNC Machine Center. Then, we produce the Precision Tool Presetter, 2D Measuring Equipment and 3D Coordinate Measuring Machine.

Due to the high quality and long tem durability, Chan-An Tool Presetter obtained the "SYMBOL OF EXCELLENCE TAIWAN PRODUCTS" qualified by the Ministry of Economic Affair of Taiwan in 1996. Now, Chan-An is a leading company for producing the Precision Measuring Equipment, especially in Tool Presetter, both in domestic and foreign. Chan-An products have had a good reputation in the world.

■MACHINE FEATURES

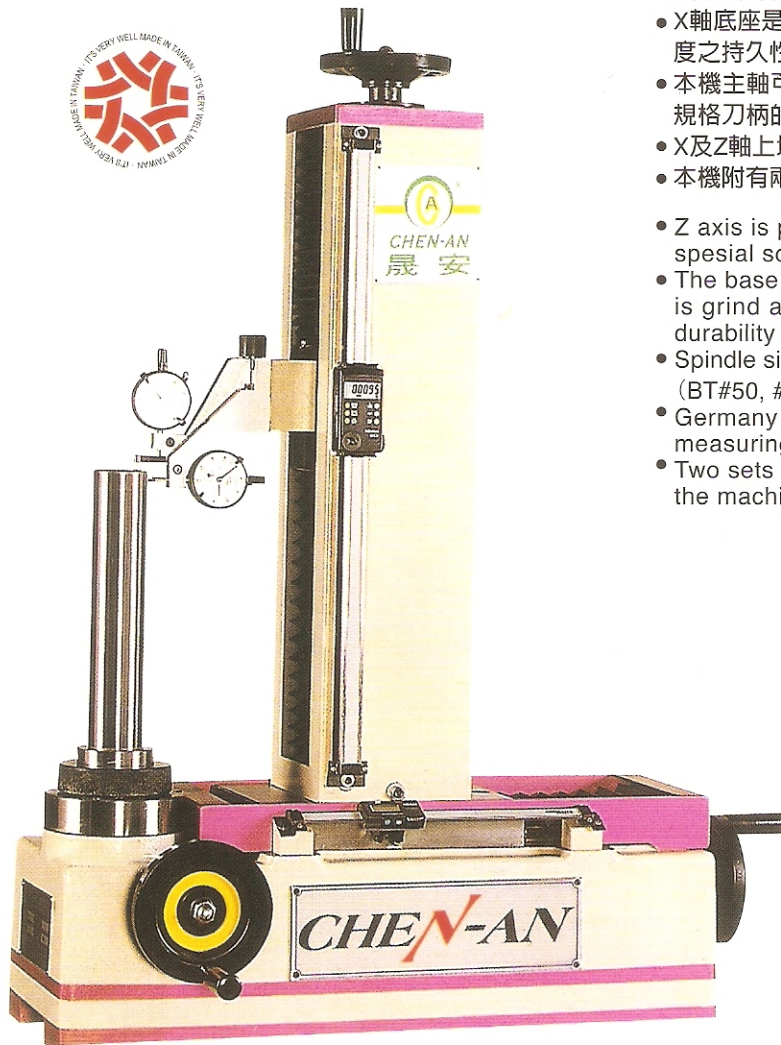
- Tool Presetters are designed to install on the CNC Machine Center, Milling and Boring Machine, Cutting Machine, Drilling and Tappong Machine in order to inspect or measure the accuracy of all kinds of tools, such as the inspection of tools' holes, roundness and right-angle.....etc.
- It is the best inspecting equipment for Quality Control Room and for the manufacturer of machine accessories.
- Measuring the tools accurately in advance may save the time for tool setting, raise the working efficiency, It's easy to operate.
- Three sizes of spindles BT#50, #40, #30 are available to change for fitting different specification tools.

■THE STANDARD OF QC

Our Tool Presetter quality-control standard is according to our national CNC standard and follow the standardization of Inspection System.

客戶的肯定——
是本公司努力的目標。

CA-101M



- Z軸立柱採用四腳滑板及刮花處理。
- X軸底座是採用經研磨及刮花處理過之鳩尾槽，可確保平行度之持久性。
- 本機主軸可依不同規格之套筒（BT#50, #40, #30）作不同規格刀柄的刀具測量。
- X及Z軸上均採用液晶顯示裝置來顯示測量的數字。
- 本機附有兩組手動旋轉裝置。
- Z axis is provided the Square Carriage and treated by special scratch.
- The base of X axis is provided the Dove Tail Slot which is grind and treated by special scratch to ensure the durability of parallelism.
- Spindle sizes can be changed by using different sleeves (BT#50, #40, #30) to inspect different sizes of tools.
- Germany Digimatic Readout is provided to display the measuring number.
- Two sets of Manual Rotary Equipment are attached on the machine.

特別配件

OPTIONAL ACCESSORIES:

SLEEVE 套筒



TEST ARBOR 校正棒



規格 SPECIFICATIONS :

Range of measurement	D:300mm, L:400mm
Graduation	Xaxis:0.01mm Zaxis:0.01mm
Machine size(LxWxH)	662x222x862mm
Weight	85kgs

標準配件 Standard Accessories :

液晶顯示尺
Digimatic Readout (XxZ:200x450m/m)
校正棒
Test Arbor BT#50 (DxL:50x250mm)
百分表
Percent Gauge (2 sets)
防塵套
Protective Rust-Resistance Plastic Cover

CA-102M



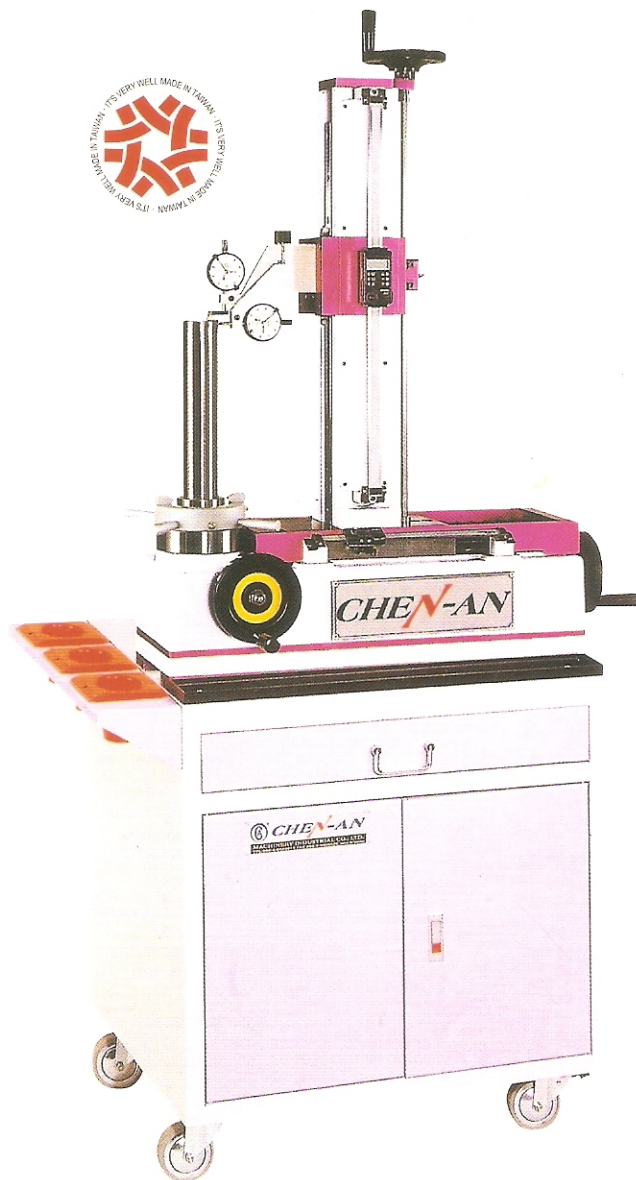
- Z軸上採用雙軌高度規。
- X及Z軸上均採用液晶顯示裝置來顯示測量的數字。
- 本機附有兩組手動旋轉裝置。
- Use Japan high precision Mitutoyo gauge on the Z axis.
- Germany Digimatic Readout is provided on X and Z axis to display the measuring number.
- Spindle sizes can be changed by using different sleeves in order to inspect different sizes of tools.
- Two sets of Manual Rotary Equipment are attached on the machine.

規格 SPECIFICATIONS :

Range of measurement	D:300mm, L:300mm
Graduation	Xaxis:0.01mm Zaxis:0.01mm
Machine size(LxWxH)	662x222x700mm
Weight	72kgs

標準配件 Standard Accessories :

液晶顯示尺
Digimatic Readout (X=200m/m)
校正棒
Test Arbor BT#50 (DxL:50x250mm)
百分表
Percent Gauge (2 sets)
防塵套
Rust-Resistance Plastic Cover



CA-103M

- 主軸上裝置專利的“鎖定裝置”可減少測量時的誤差。
- 本機主軸可依不同規格之套筒（BT#50, #40, #30）作不同規格刀柄的刀具測量。
- X軸上採用液晶顯示裝置來顯示測量的數字。
- X軸上經刮花處理並採用滾珠螺桿裝置，精度高，耐磨性佳
- Z軸上採用德製無牙螺桿，傳動輕巧，可快速移位及微調之功能。
- Z軸採用精密線性滑軌，耐磨性高，可保永久性的精度。
- 本機附有兩組手動旋轉裝置。

- The patent equipment "Lock Up Setting" is installed around the spindle to reduce the aberration when measuring.
- Spindle sizes can be changed by using different sleeves to inspect different sizes of tools.
- Germany Digimatic Readout is provided on X axis to display the measuring number.
- Ball Screw Bearing Unit is provided on X axis to increase the accuracy.
- Tapered Bearing Units is provided on Z axis for making movement more smoothly.
- Two sets of Manual Rotary Equipment are attached on the machine.

規格 SPECIFICATIONS :

Range of measurement	D:300mm, L:400mm
Graduation	Xaxis:0.01mm
	Zaxis:0.01mm
Size (LxWxH)	
Machine 機台尺寸	662x222x900mm
Cabinet 鐵箱尺寸	650x500x760mm
Weight	
Machine 機台重量	110kgs
Cabinet 鐵箱重量	57kgs

標準配件 Standard Accessories :

液晶顯示尺
Digimatic Readout (XxZ:200x450m/m)
校正棒
Test Arbor BT#50 (DxL:50x250mm)
百分表
Percent Gauge (2 sets)
防塵套
Rust-Resistance Plastic Cover

CA-104M



- 主軸上裝置專利的“鎖定裝置”可減少測量時的誤差。
- 本機主軸可依不同規格之套筒（BT#50, #40, #30）作不同規格刀柄的刀具測量。
- X軸上經刮花處理並採用滾珠螺桿裝置，精度高，耐磨性佳
- Z軸上採用德製無牙螺桿，傳動輕巧，可快速移位及微調之功能。
- X及Z軸上均採用光學尺裝置來顯示測量的數字。
- Z軸採用精密線性滑軌，耐磨性高，可保永久性的精度。
- 本機附有兩組手動旋轉裝置，並有防塵、防震之功能。
- The patent equipment "Lock Up Setting" is installed around the spindle to reduce the aberration when measuring.
- Spindle sizes can be changed by using different sleeves to inspect different sizes of tools.
- Germany Digital Readout is provided on X and Z axis to display the measuring number.
- Ball Screw Bearing Unit is provided on X axis to increase the accuracy.
- Tapered Bearing Units is provided on Z axis for making movement more smoothly.
- Precision Linear Guide is provided on Z axis for wear-resistance and long-term accuracy.
- Two sets of Manual Rotary Equipment are attached on the machine.

規格 SPECIFICATIONS :

Range of measurement	D:300mm, L:400mm
Graduation	Xaxis:0.005mm
	Zaxis:0.005mm
Size (LxWxH)	
Machine 機台尺寸	662x222x900mm
Cabinet 鐵箱尺寸	650x500x760mm
Weight	
Machine 機台重量	110kgs
Cabinet 鐵箱重量	57kgs

標準配件 Standard Accessories :

光學尺
Digital Readout (XxZ:170x420m/m)
校正棒
Test Arbor BT#50 (DxL:50x250mm)
百分表
Percent Gauge (2 sets)
防塵套
Rust-Resistance Plastic Cover

CA-105M



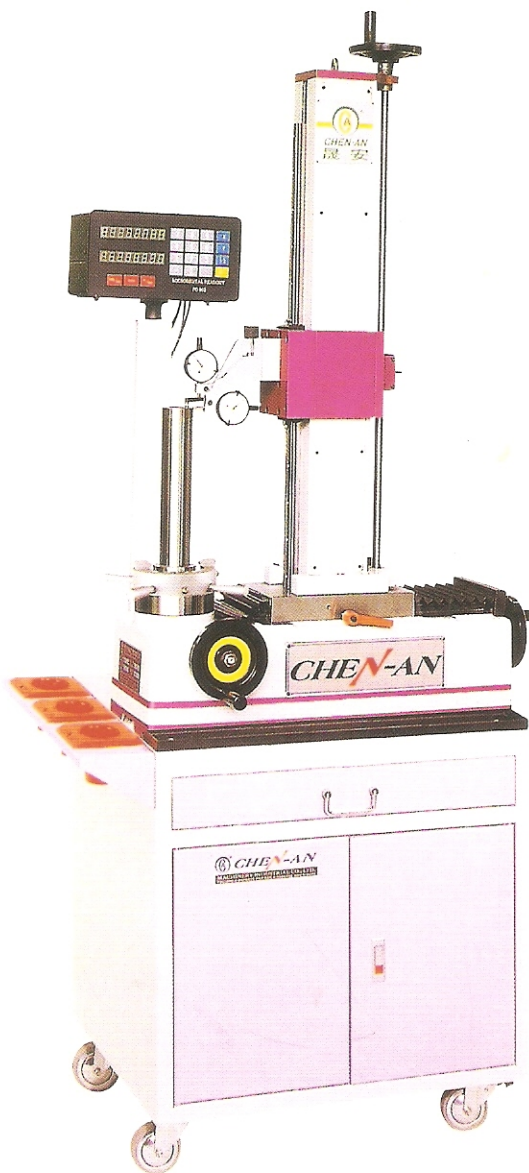
- 主軸上裝置專利的“鎖定裝置”可減少測量時的誤差。
- 本機主軸可依不同規格之套筒（BT#50, #40, #30）作不同規格刀柄的刀具測量。
- X軸上經刮花處理並採用滾珠螺桿裝置，精度高，耐磨性佳
- Z軸上採用德製無牙螺桿，傳動輕巧，可快速移位及微調之功能。
- Z軸採用精密線性滑軌，耐磨性高，可保永久性的精度。
- X及Z軸上均採用光學尺裝置來顯示測量的數字。
- 本機附有兩組手動旋轉裝置，並有防塵、防震之功能。
- 不同倍數的投影機可供選擇。
- The patent equipment "Lock Up Setting" is installed around the spindle to reduce the aberration when measuring.
- Spindle sizes can be changed by using different sleeves to inspect different sizes of tools.
- Digital Readout is provided on X and Z axis to display the measuring number.
- Ball Screw Bearing Unit is provided on X axis to increase the accuracy.
- Tapered Bearing Units is provided on Z axis for making movement more smoothly.
- Precision Linear Guide is provided on Z axis for wear-resistance and long-term accuracy.
- Two sets of Manual Rotary Equipment are attached on the machine.
- Different multiple of Projectors are available.

規格 SPECIFICATIONS :

Range of measurement	D:300mm, L:400mm
Graduation	Xaxis:0.005mm
	Zaxis:0.005mm
Size (LxWxH)	
Machine 機台尺寸	662x222x900mm
Cabinet 鐵箱尺寸	650x500x760mm
Weight	
Machine 機台重量	110kgs
Cabinet 鐵箱重量	57kgs

標準配件 Standard Accessories :

光學尺
Digital Readout (XxZ:120x420m/m)
投影器 (倍數10X)
Projector (10X)
校正棒
Test Arbor BT#50 (DxL:50x250mm)
百分表
Percent Gauge (2 sets)
防塵套
Rust-Resistance Plastic Cover

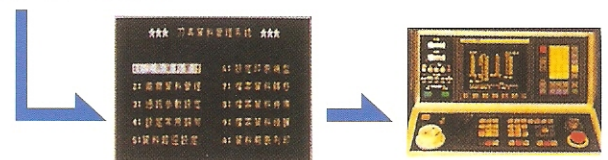


CA-106M

- 主軸上裝置專利的“鎖定裝置”可減少測量時的誤差。
- 本機主軸可依不同規格之套筒 (BT#50, #40, #30) 作不同規格刀柄的刀具測量。
- X軸上經刮花處理並採用滾珠螺桿裝置，精度高，耐磨性佳
- Z軸上採用德製無牙螺桿，傳動輕巧，可快速移位及微調之功能。
- Z軸採用精密線性滑軌，耐磨性高，可保永久性的精度。
- X及Z軸上均採用光學尺裝置來顯示測量的數字。
- 本機附有兩組手動旋轉裝置，並有防塵、防震之功能。
- The patent equipment "Lock Up Setting" is installed around the spindle to reduce the aberration when measuring.
- Spindle sizes can be changed by using different sleeves to inspect different sizes of tools.
- Germany Digital Readout is provided on X and Z axis to display the measuring digital.
- Ball Screw Bearing Unit is provided on X axis to increase the accuracy.
- Tapered Bearing Units is provided on Z axis for making movement more smoothly.
- Precision Linear Guide is provided on Z axis for wear-resistance and long-term accuracy.
- Two sets of Manual Rotary Equipment are attached on the machine.

RS232C

OUTPUT (輸出)



規格 SPECIFICATIONS :

Range of measurement	D:500mm, L:600mm
Graduation	Xaxis:0.005mm
	Zaxis:0.005mm
Size (LxWxH)	
Machine 機台尺寸	662x222x1130mm
Cabinet 鐵箱尺寸	650x500x760mm
Weight	
Machine 機台重量	120kgs
Cabinet 鐵箱重量	57kgs

標準配件 Standard Accessories :

光學尺
Digital Readout (XxZ:200x600m/m)
校正棒
Test Arbor BT#50 (DxL:50x250mm)
百分表
Percent Gauge (2 sets)
工具鐵櫃
Cabinet
防塵套
Rust-Resistance Plastic Cover

CA-168V

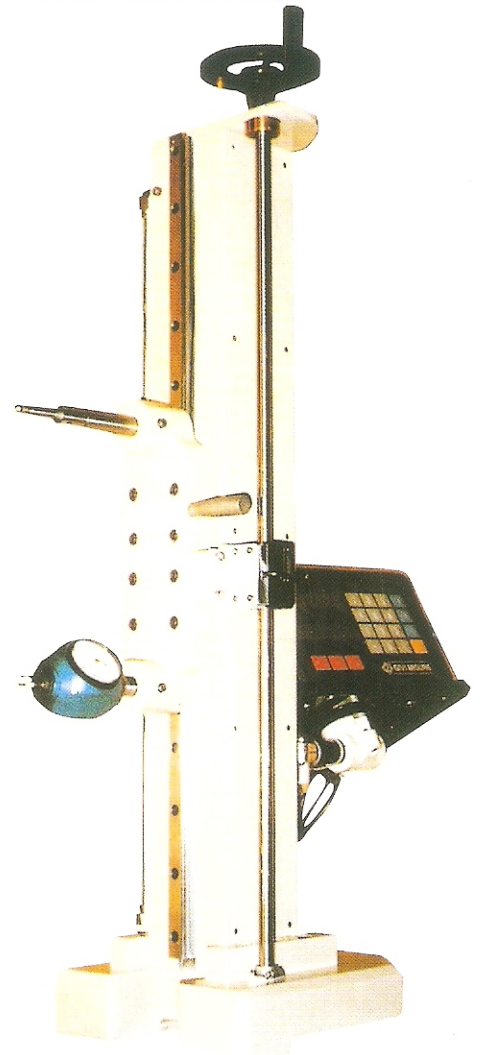
2D影像測量儀

- 可運用點、圓、線、弧角幾何運算量測，可運用逆向工程與CAD連線。
- 可運用表面及剖面尺寸量測以及輪廓表面影像功能。
- 可適合：LCD、PCB、光電半導體工件連接器、油封、模具、橡塑膠、齒輪、導電橡膠、以及各種精密科技電子零件組。
- 最小讀數：0.001mm/mx0.005mm/m
- 放大倍數：35-250倍或更大。
- 重複精度：0.003mm/m
- 特別附件：十字產生器、LED環型燈、旋盤。



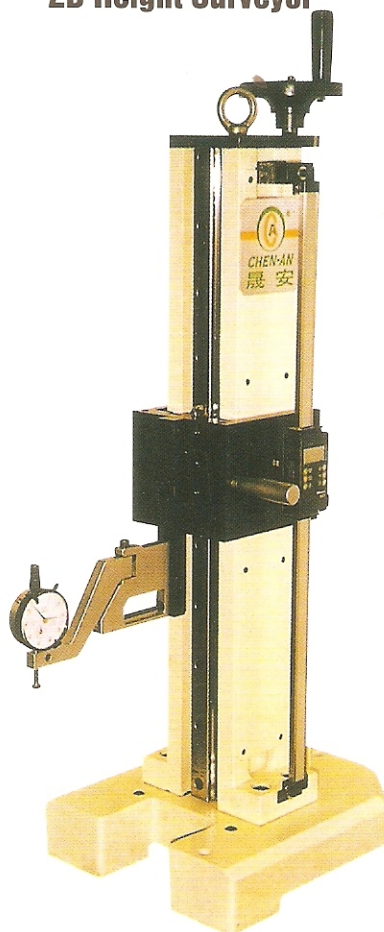
CA-107M

二次元高度測量儀(氣壓式)
2D Height Surveyor
(Air Pressure Type)



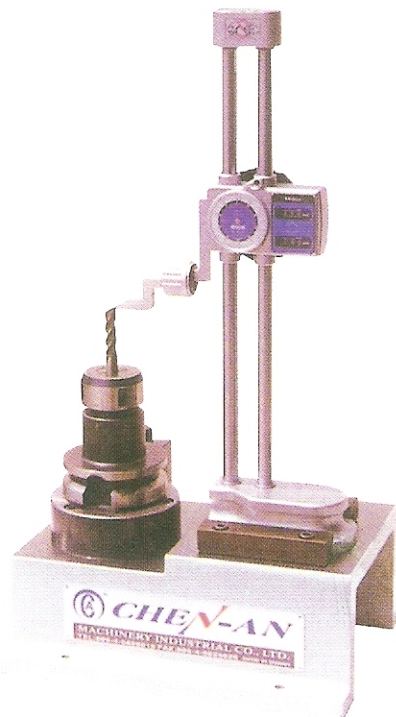
CA-500M

二次元高度測量儀
2D Height Surveyor



CA-300M

高度設定儀
Height Prestter



CA-300M

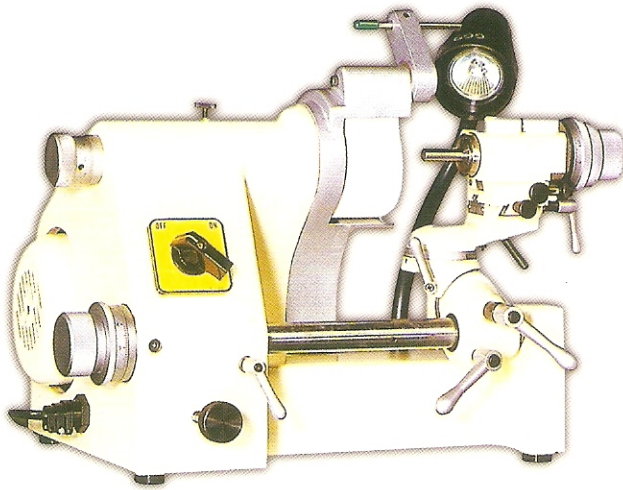
台座 Base Size	測距高 Hight distance	直角度 Right-Angled	備註 Remark
320m/mx250x125	300	0.01	

CA-500M

液晶顯示 Size	台座 Base Size	測距高 Hight distance	直角度 Right-Angled	備註 Remark
Japan Made	50kgs	500	0.005	

CA-107M

測量範圍 Measuring Range	應用範圍 Application Range	精度 Accuracy	重複精度 Repetitive Accuracy	光學尺顯示 D.R.O. Display	測量滑板最大速度 Max. Displacement velocity of the measuring carriage	電力供應 Power Supply	操作溫度控制 Operational Temperature Limit	資料輸出 Data Output	總高度 Total Hight	總重量 Weight	備註 Remark
900mm	1000mm	5μm	±5μm	1μm	900mm/sec	110v	110v	RS232C (特殊配件)	900mm	68kgs	



CA-180M

雕刻刀研磨機

UNIVERSAL CUTTER GRINDER

Our engraving grinder is particularly suitable for grinding carbide cutter. It can make different shapes such as half round, in tangent bevel degree or into a half taper angle. The universal index head is allowed to have a free rotation of 360° or 180° as well as provides 24 positions, so that any particular angles of shapes can be obtained and make operation more convenient.

規格 SPECIFICATIONS:

最大夾持力	φ 18mm
最大研磨能力	φ 25mm
推拔角度	0° ~180°
離隙角	0° ~45°
負推拔角度	0° ~25°
主軸轉速	5000RPM
皿型沙輪直徑	100x50x20mm
馬達	1/3HP, 220V, 50/60HZ
淨重/毛重	45/50, 95/105(CCD)kgs
包裝尺寸	50x45x47, 72x66x140(CCD)mm

CA-169A/B/C/D

渦輪檢驗機 (手動式/電動式)

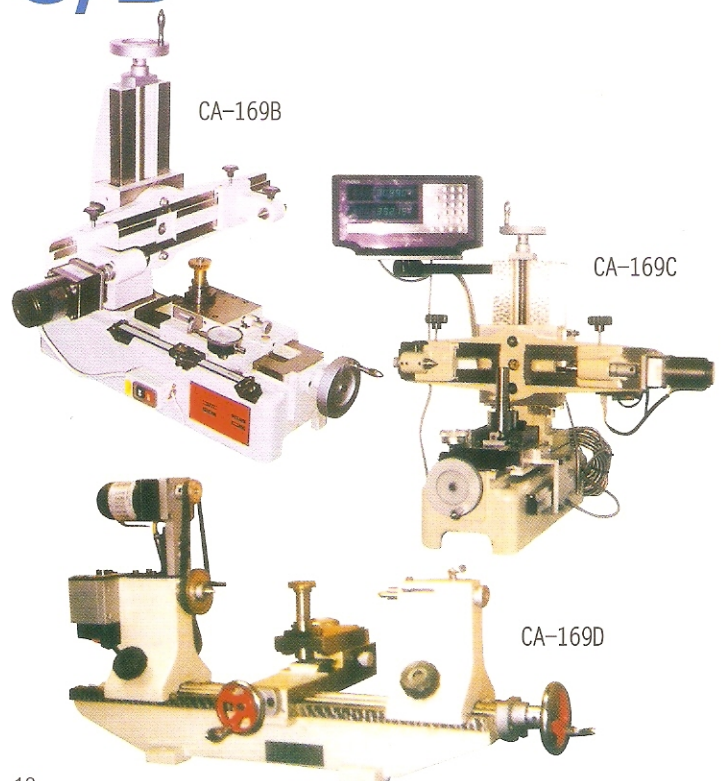
Turbo Gear Inspection Machine
(Manual/Automatic)

High precision double-faced gear clench test machine.
Uses: Gear clenchers are manual type and automatic type which indicate the situation of gear and gear clench error. It suits for measure column gear and turbine the values of center distance alteration and gear center distance and error. It is good for the manufacturers of automobiles, motorcycles, gear proceed and electric machines.

Functions: 1. Gear and gear clench error
2. Total gear clench error
3. Average error

規格 SPECIFICATIONS:

Spindel center distance	300 mm
Gear max outer diameter	φ 120mm
Screw pole max outer diameter	φ 85mm
Axis length	320mm
Size	200x700x800mm





高解析度立體顯微鏡ZOOM可調無段倍率No.SM-ZOM9000

高解析度立體顯微鏡可調固定倍率No.SM-FIM9000

立體顯微鏡
(大型平面底座)
No.SM-LP9004



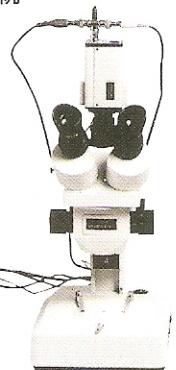
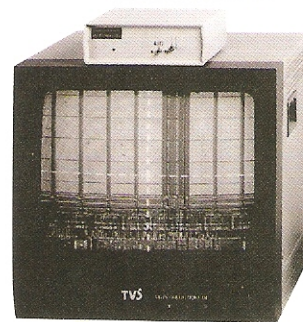
立體顯微鏡(大型長臂支架)No.SM-LP9005



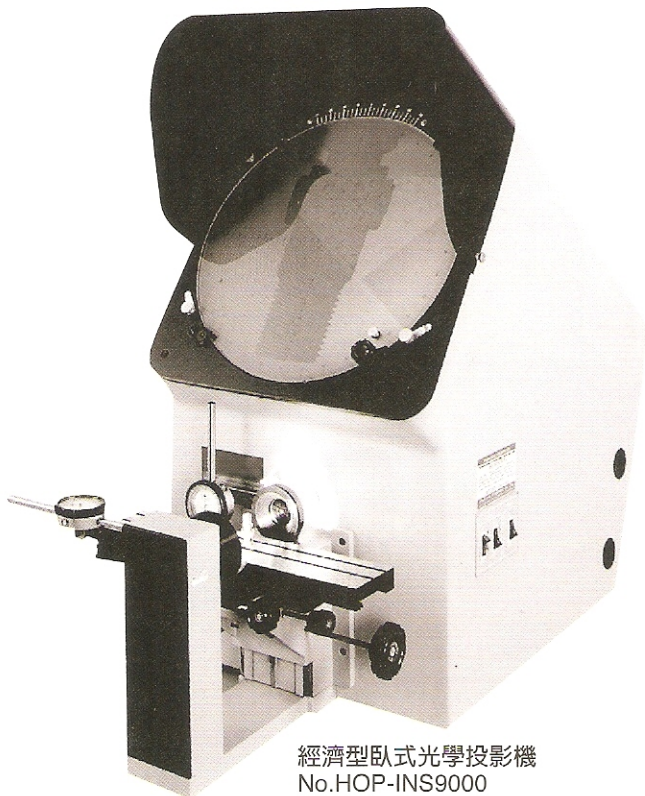
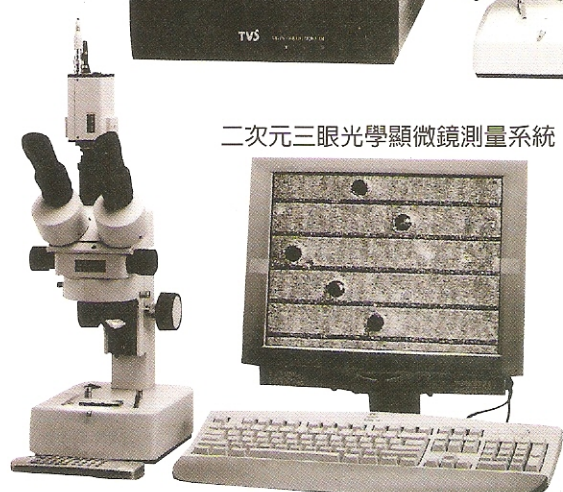
立體顯微鏡(單目鏡)
No.SM-ZMS9001



三眼光學顯微量測系統
No.SM-ZM9000

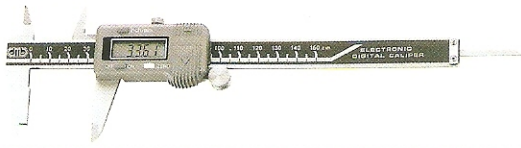


二次元三眼光學顯微鏡測量系統



經濟型臥式光學投影機
No.HOP-INS9000

液晶電子卡尺



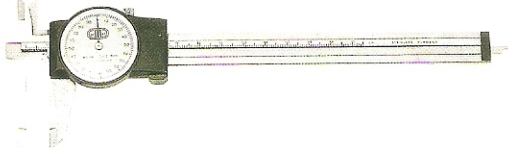
分辨率(mm/inch)	測程(mm)
0.01/0.0005	0-150
0.01/0.0005	0-200
0.01/0.0005	0-300
0.01/0.0005	0-500
0.01/0.0005	0-600
0.01/0.0005	0-1000
0.01/0.0005	0-1500

游標卡尺



分辨率(mm/inch)	測程(mm)
0.05/1/128"	0-150
0.05/1/128"	0-200
0.05/1/128"	0-300
0.05/1/128"	0-600
0.05/1/128"	0-1000
0.05/1/128"	0-2000
0.02/0.001"	0-150
0.02/0.001"	0-200
0.02/0.001"	0-300
0.02/0.001"	0-600
0.02/0.001"	0-1000

附錶卡尺



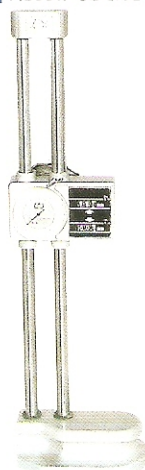
分辨率(mm/inch)	測程(mm)
0.02	0-150
0.02	0-200
0.02	0-300
0.01	0-150
0.01	0-200

萬向油壓磁性度

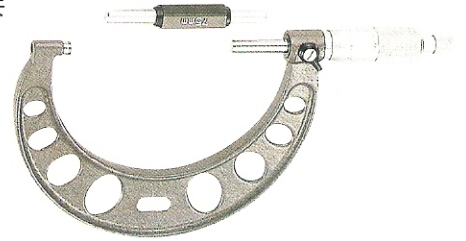


分辨率(mm/inch)	測程(mm)
0.01	0-300
0.01	0-600

附錶高度規

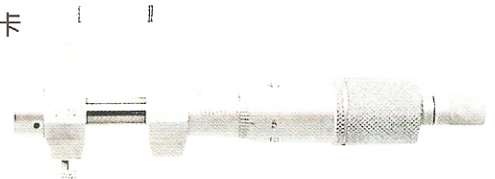


外測分厘卡



分辨率(mm/inch)	測程(mm)
0.01	0-25
0.01	25-50
0.01	50-75
0.01	75-100
0.01	100-125
0.01	125-150

內測分厘卡



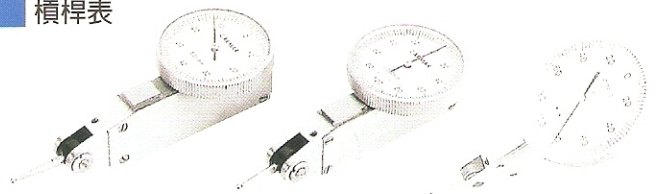
分辨率(mm/inch)	測程(mm)
0.01	5-30
0.01	25-50
0.01	50-75
0.01	75-100

分厘卡頭



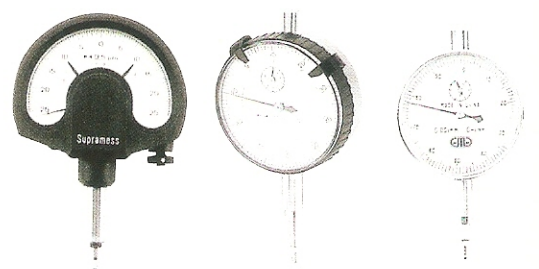
分辨率(mm/inch)	測程(mm)
0.01	0-25

槓桿表



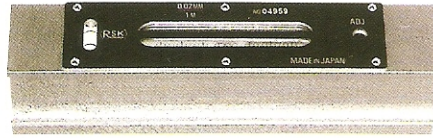
分辨率-測程(mm/inch)	表徑(mm)
0.01-0.8	32
0.002-0.2	32
0.01	50-75 (紅寶石測頭)

分厘表



分辨率-測程(mm/inch)	表徑(mm)
0.01-4	58
0.01-5	42
0.01-10	58
0.01-25	58

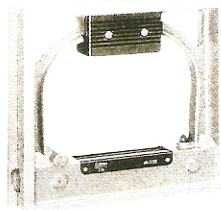
平型精密水準器



全長x底座寬x高(m/m)

100x38x36
150x50x45
200x50x45
250x50x45
300x50x45
450x50x45
600x50x45

角型精密水準器



方x方x測定面寬(m/m)

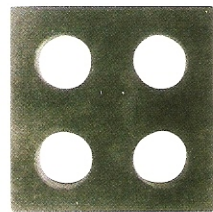
100x100x40
150x150x40
200x200x40
250x250x40
300x300x40

花崗岩直角規



規格(mm)	等級00	等級0
250x160	2.5	5
300x200	3	6
400x250	3.5	7
630x400	4.5	8

花崗岩直方規



規格(mm)	等級00	等級0
300x300	2.5	5
400x400	3	6
500x500	3.5	7

花崗岩直規



規格(mm)	等級00	等級0
630x100x40	2 μ	3.5 μ
1000x160x50	3 μ	5 μ

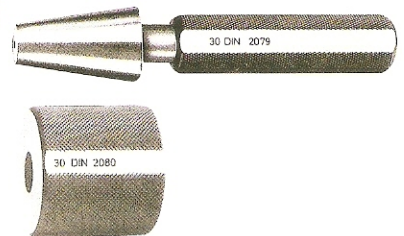
花崗岩檢測平台



規格(mm)	等級00 精度	等級0 (μ m)
300x300x50	3	6
300x450x70	3	6
450x450x100	3.5	6.5
450x600x100	4	8
600x600x100	4	8
600x900x130	4.5	9
900x900x130	4.5	9
900x1200x150	5	10
1000x1000x150	5	10
1000x2000x250	6.5	13
1600x2000x300	7	14
1600x2500x300	8	16
2000x3000x500	9	18
2000x4000x500	11	22
2000x6000x700	15	30

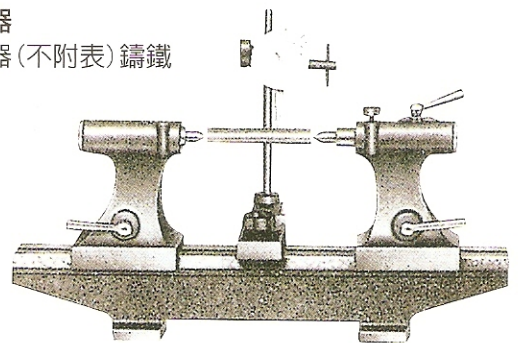
標準錐度塞規&環規

NO.30#, 40#, 50#



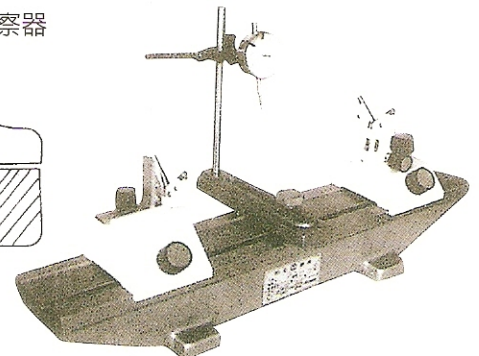
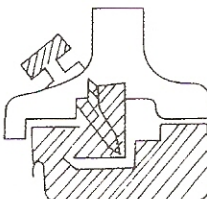
偏心檢察器

偏心檢察器 (不附表) 鑄鐵

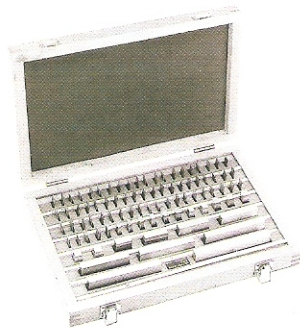


偏心檢察器

V型溝偏心檢察器

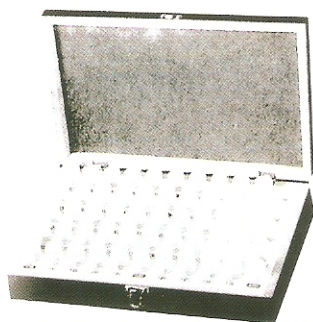


精密塊規



總塊數	級別	公稱尺寸(mm)	測程(mm)	塊數
38	0	1.005	—	1
	1	1.01 1.02~1.09	0.01	9
	2	1.1 1.2~1.9	0.1	9
47	0	1.005	—	1
	1	1.01~1.09	0.01	9
	2	1.1~1.9	0.1	9
87	0	1.001~1.009	0.001	9
	1	1.01~1.49	0.01	49
	2	0.5~9.5	0.5	19
103	0	1.005	—	1
	1	1.01~1.49	0.01	49
	2	0.5~24.5	0.5	49
112	0	1.0005	—	1
	1	1.001~1.009	0.001	9
	2	1.01~1.49	0.01	49
8	0	1.001~1.009	0.001	9
	1	0.5~24.5	0.5	49
	2	25~100	25	4
8	0	125~200	25	4
	1	300~500	100	3
	2	250	—	1
8	0	25~200	25	8
	1	25~200	25	8

精密塞規



規格(mm)	間隔(mm)	總支數
0.20-0.50	0.01	51支
0.50-1.00	0.01	51支
1.00-1.50	0.01	51支
1.50-2.00	0.01	51支
2.00-2.50	0.01	51支
2.50-3.00	0.01	51支
3.00-3.50	0.01	51支
3.50-4.00	0.01	51支
4.00-4.50	0.01	51支
4.50-5.00	0.01	51支
5.00-5.50	0.01	51支
5.50-6.00	0.01	51支
6.00-6.50	0.01	51支
6.50-7.00	0.01	51支
7.00-7.50	0.01	51支
7.50-8.00	0.01	51支
8.00-8.50	0.01	51支
8.50-9.00	0.01	51支
9.00-9.50	0.01	51支
9.50-10.00	0.01	51支
10.00-10.50	0.01	51支
10.50-11.00	0.01	51支
11.00-11.50	0.01	51支
11.50-12.00	0.01	51支
12.00-12.50	0.01	51支
12.50-13.00	0.01	51支

精密光學投影機



(一) 基本功能	1. 表面量測 2. 輪廓量測 3. 比對功能 4. 網路連線
(二) 機械本體	1. X-Y量測台，精密線性滑道 2. 無牙螺桿快速移動 3. 床台移動示對焦 4. 床台表面特殊硬化處理，耐磨損，精度高 5. X-Y軸光學尺移動，讀值0.001mm 6. 量測範圍X軸150mm，Y軸50mm 7. 床台尺寸350x50mm 8. 承載重量75kg
(三) 光源	1. 表面光源24V/150W鹵素燈 2. 輪廓光源24V/150W鹵素燈
(四) 螢幕	12"(φ306mm)附膠片固定彈簧
(五) 量測精度	1. X-Y軸精度±0.005mm 2. 重複精度±0.002mm
(六) 鏡頭	1. 10X-20X-50X-100X(標準配備 10X)

光電式Z軸設定器 AXIAL PRESET GAUGE



ZIP-50

ZIP-50A

ZOV-50

ZAXIAL PRESET GAUGE (INDICATOR TYPE)

GAUGE ATTACHED

專利在案(PATENT REGISTERED)

- 1.在電腦銑床上設定刀長用。
- 2.設計高度：5.00±0.005mm
- 3.量側面大，操作容易。
- 4.彈簧力較小，可避免小銼刀或鉗頭斷裂。
- 5.用研磨過的平行板即可簡單設定。
- 6.ZIP-50A:平行度及各方面使用靈敏、精度更好。

- 1.For setting tool length on machining centers.
- 2.Setting height: 50.00±0.005mm
- 3.Large measuring surface and easy to operate.
- 4.Low spring force to avoid breakage of small end mill and drill.
- 5.Easy to be calibrated by a ground parallel or gauge block.
- 6.Better parallelism, sensitivity, and precision for use.

ORDER NO.	TYPE	HEIGHT	G.W. weight kgs	包裝尺寸 LXWXH
08420551	ZIP-50	50 ^{+0.005} ₋₀	1.2kg	101X101X90
08420552	ZOV-50	50 ^{+0.005} ₋₀	1.4kg	167X96X70
08420553	ZIP-50A	50 ^{+0.005} ₋₀	1.8kg	101X101X90

光電式尋邊器 OPTICAL EDGE FINDER



SOE-32L

SOE-20L

SPE-20S

請注意 / 光電式尋邊器不適合迴轉使用

Notice to use of optical edge finder, that is not suitably used for rotary.

- Not necessary to rotate while measuring.
- Quickly locate work edges.
- Save time to find positions, for milling machine, jig borers, and other machine tools.
- Accuracy 0.005mm

IS A HIGH SENSIBLE POSITION MEASURING

- Uses dry batteries to light the red lamp.
- The scope of application includes edge surface, inside and outside diameters and high efficiency.
- There is a safety spring puller which puts the ball precisely back to the positing when ball breaks away from ball seat.

Battery type:

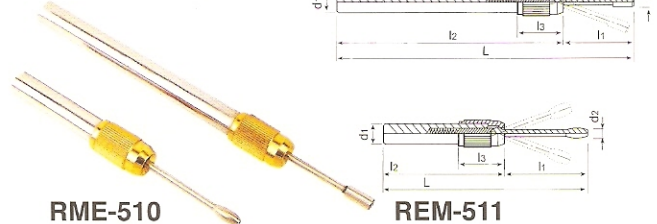
Um5#, 1.5Vx 2pcs (SOE-20L, 32L)

Um5#, 23Ax 12Vx 1pcs (SOE-20S, 20LB)

單位m/m

ORDER NO.	TYPE	柄徑 D	長度 L	測頭 d	G.W. weight kgs	包裝尺寸 LXWXH
08420120	SOE-20S	20 φ	120	10 φ	0.35kg	198X75X44
08420020	SOE-20L	20 φ	158	10 φ	0.4kg	198X75X44
08420021	SOE-20LB	20 φ	158	10 φ	0.4kg	198X75X44
08420032	SOE-32L	32 φ	158	10 φ	0.7kg	198X75X54

迴轉式尋邊器 ROLLING EDGE FINDER



RME-510

REM-511

專利在案(PATENT REGISTERED)

- 1.Material: high-carbon steel.
- 2.Hardness: HRC 58°±1°
- 3.R.P.M. Within 600-1000
- 4.Accuracy within 0.003mm
- 5.Suitable for milling machine, Drill machine, and boring machine.

MODEL NO.	TYPE	L	I1	I2	I3	D	d1	d2	weight kgs
08421511	RME-511	145	35	110	22	13	10	5	0.08
08421510	RME-510	99	40	59	22	13	10	5	0.04
08422510	RME-SET	2pcs with box							0.26

偏心式尋邊器 MECHANICAL EDGE FINDER



SME-1020

SME-420

SME-610

SME-420ST

SME-1020ST

Steel:Cr-Mo, ALLOY STEEL (鉻鉬鋼)
HRC:56°±1°

單位m/m

ORDER NO.	TYPE	G.W. weight kgs	包裝尺寸 LXWXH
08400610	SME-610	0.08	94X24X24
08400420	SME-420	0.14	94X24X24
08401020	SME-1020	0.12	94X24X24

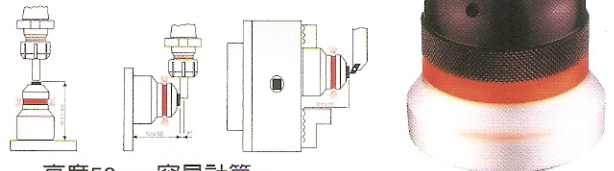
Material by Stainless steel (不鏽鋼)

HRC:60°±1°

單位m/m

ORDER NO.	TYPE	G.W. weight kgs	包裝尺寸 LXWXH
08410420	SME-420ST	0.14	94X24X24
08411020	SME-1020ST	0.12	94X24X24

光電式Z軸設定器 AXIAL PRESET GAUGE



- 高度50mm容易計算。
- 磁性底座設計，可供側面探測。
- 紅燈亮時，四周都可看見，沒有盲點。
- 精度：0.005m/m
- Height 50mm.
- Base built-in magnets for easy set-up.
- The red lamp will be lighted up when touched.
- Height can be micro adjusted and audited by gage block.
- Can be used vertically or horizontally.
- Weight: 0.3kgs
- Battery type:LR44 / A76 /G13x2pcs
- Accuracy: within 0.005mm

單位m/m

ORDER NO.	TYPE	HEIGHT	G.W. weight kgs	包裝尺寸 LXWXH
08420550	ZOP-50	50	0.6kg	101X101X90

快速退刀器 Drill Drift

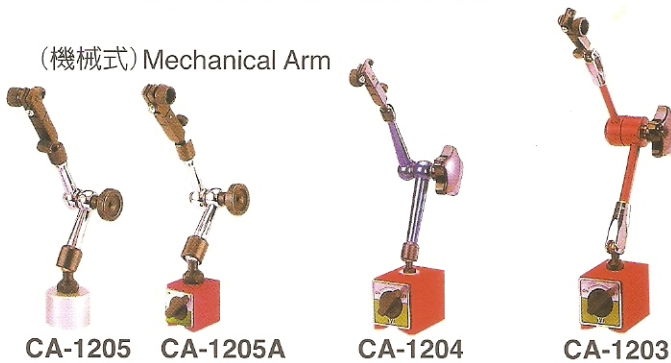


- 本產品操作快速簡單，整體皆經熱處理堅固耐用，內部採高張力彈簧，可保護刀具提高工作效率。
- This drift can be pulled out easily and all part are head treated, inside the handle is the strong spring, it has a strong impact.

型號 Model No.	適用斜度 Taper	全長 Length	淨重 N.W.(kg)
CA-401	MT 2,3,4,5	370mm	1.3

萬向磁性座系列 UNIVERSAL ARM MAGNETIC BASE

(機械式) Mechanical Arm



(油壓式) Hydraulic Arm

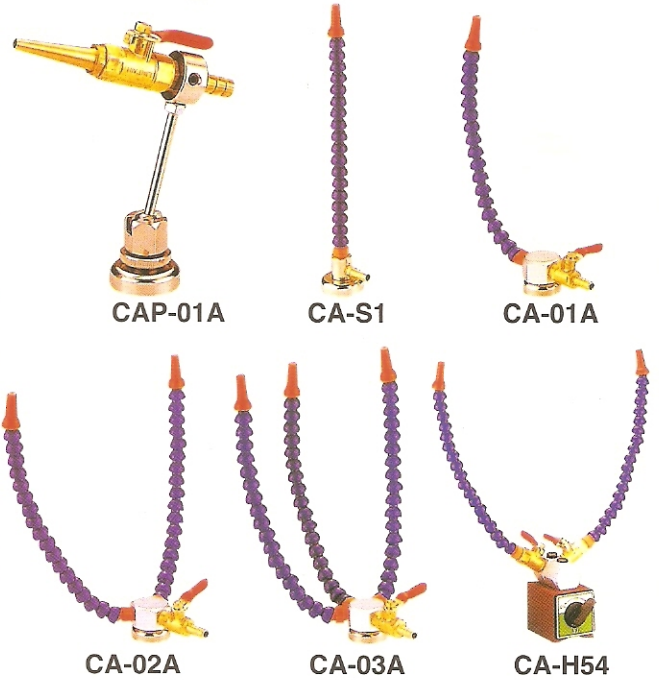


- 內藏式油壓設計、精度高、不易漏油、油壓固鎖穩定性高。
- 萬向曲臂設計、方向可任意調整。
- 槓桿旋臂上附有微調裝置：φ6、φ8、鳩尾槽。
- 適合各式樣之分釐錶、槓桿錶之夾持。

Universal Arm Magnetic Base for indicators, it can be set at any point in 360°, very quick and convenient for operation.

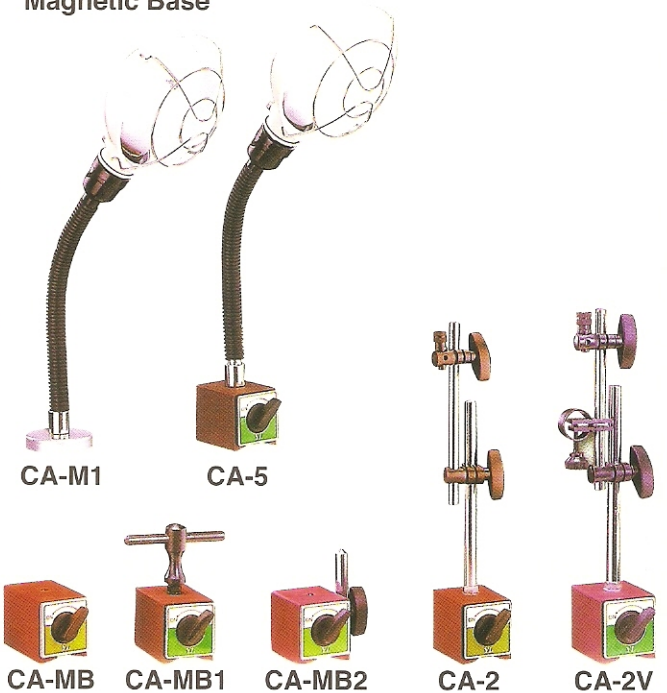
型號 Model No.	磁力 Holding Power	臂長 Arm Length	底座規格Base Dimension(mm)			重量 Net Weight
			長L	寬W	高H	
CA-1202	100kg	320mm	75	50	55	1.9kg
CA-1202L	100kg	425mm	75	50	55	2.0kg
CA-1203	80kg	340mm	60	50	55	1.5kg
CA-1204	80kg	285mm	60	50	55	1.4kg
CA-1205	20kg	185mm	永久性磁座 φ38 X 32			0.5kg
CA-1205A	20kg	185mm	35	30	35	0.4kg
CA-1257	100kg	310mm	75	50	55	2.0kg

磁性噴油座系列 Universal Magnetic Nozzle



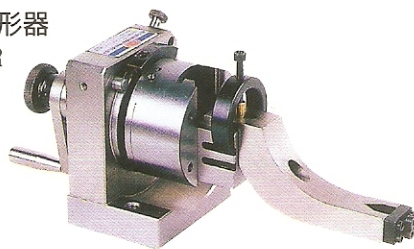
有開關者型號加 "A"
Model no including "A" is switch attached.

磁性座系列 Magnetic Base



型號 Model No.	磁力 Holding Power	磁性座規格Base Dimension(mm)			淨重 N.W.(kg)
		長L	寬W	高H	
CA-MB	80kg	60	50	55	1.0
CA-MB1	80kg	60	50	55	1.1
CA-MB2	80kg	60	50	55	1.1
CA-2	80kg	60	50	55	1.6
CA-2V	80kg	φ63			1.7
CA-M1	20kg	60	30	35	0.8
CA-5	80kg	60	50	55	1.7

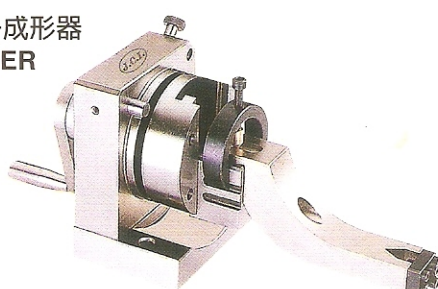
CA-01雙向沖子成形器 PUNCH FORMER NW:10kg



主要參數

- 中心高.....80-81mm
- V型槽夾持直徑... ϕ 4-30mm
- V型塊狀整量..... 25mm
- 滑動盤橫向移動量 ± 12.5 mm
- 分度盤齒數 · 精度 $24.15^\circ \pm 5$
- 修整砂輪最大直徑 ϕ 200mm
- 修整砂輪圓弧最大半徑
- 凸弧..... R48mm
- 凹弧..... R100mm

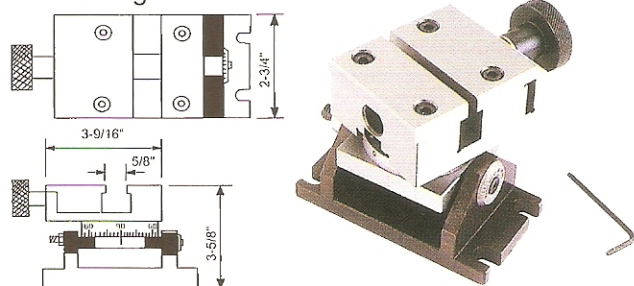
CA-02單向沖子成形器 PUNCH FORMER NW:8.5kg



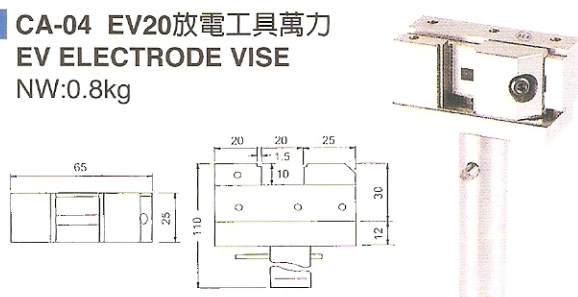
主要參數

- 中心高.....80-81mm
- V型槽夾持直徑... ϕ 4-30mm
- V型塊狀整量..... 25mm
- 分度盤齒數 · 精度 $24.15^\circ \pm 5$
- 修整砂輪最大直徑 ϕ 200mm
- 修整砂輪圓弧最大半徑
- 凸弧..... R48mm
- 凹弧.... R100mm R100mm

CA-03角度旋轉虎鉗 MINI PRECISION TILT & SWIVEL VISE NW:3.5kg



CA-04 EV20放電工具萬力 EV ELECTRODE VISE NW:0.8kg

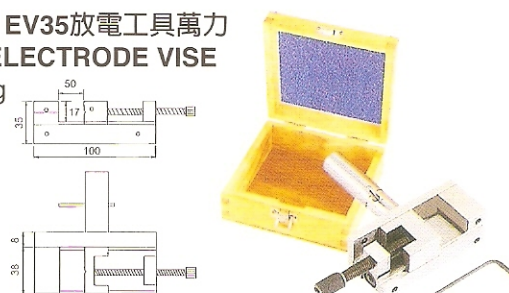


- EV系列之迷你型萬力，適合用來作為放電用電擊夾具。
- 萬力主體的加叉形V槽能提供各種形狀的工具以垂直或水平方式進行放電加工處理。

Material	SK 2
Parallelism	Within 0.003mm / 100mm
Squareness	Within 0.005mm / 100mm

Harden treatment up to HRC 55° ~ 58°

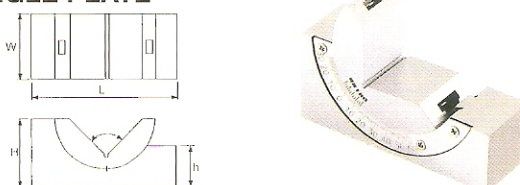
CA-05 EV35放電工具萬力 EV35 ELECTRODE VISE NW:1kg



Material	SUS 440
Parallelism	Within 0.003mm / 100mm
Squareness	Within 0.005mm / 100mm

Harden treatment up to HRC 55° ~ 58°

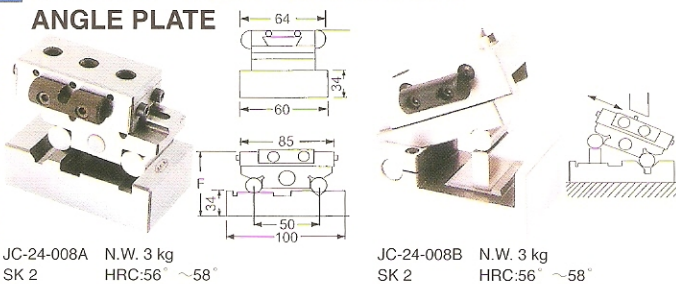
CA-06A/B 可調式 / 微調式角度墊規 ANGLE PLATE



- AP角度墊規系列，是採用SK2高碳鋼經精密研磨後而成 ± 0.005 mm，角度精度為 $\pm 10''$

MATERIAL	N.W.
SK 2	1.5kg
SK 2	1.0kg
SK 2	0.5kg

CA-06A/B 可調式 / 微調式角度墊規 ANGLE PLATE

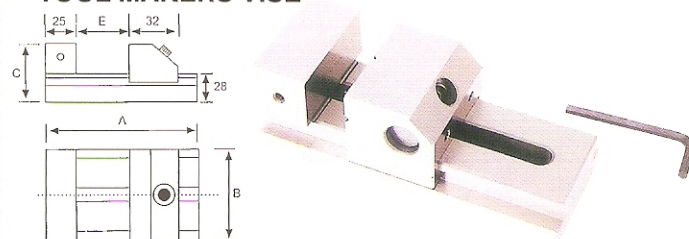


JC-24-008A N.W. 3 kg
SK 2 HRC:56° ~ 58°

JC-24-008B N.W. 3 kg
SK 2 HRC:56° ~ 58°

- 砂輪角度由 $0^\circ \sim 90^\circ$ 皆可使用此修整器隨意修整，最大行程 50mm，並可做為正弦的角度檢查，中心差距 0.01 正弦角度絕對正確。

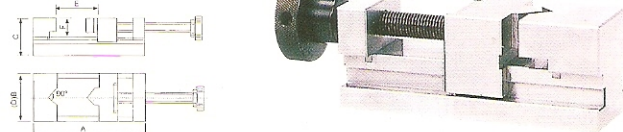
CA-08A/B 吊拉型拋光工具萬力 TOOL MAKERS VISE



- CA-08A/B吊拉型拋光工具萬力，採用特殊高碳鋼，經熱處理（硬度： $58^\circ \sim 62^\circ$ ）、深冷處理及精密研磨而成，平行度與垂直度都在 0.003mm/m 以內。
- 表面特作“拋光”研磨，光亮如鏡，不易刮傷、生鏽及變形，用於加工錫鋼刀、製造高精密成型夾具及放電加工。

LENGTH	WIDTH	HEIGHT	JAW WIDTH	JAW OPENING	JAW HEIGHT	WEIGHT	HARDN
110	60	50	60	50	23	1.7kg	$58^\circ \sim 62^\circ$
190	72	67	72	100	35	4.0kg	$58^\circ \sim 62^\circ$

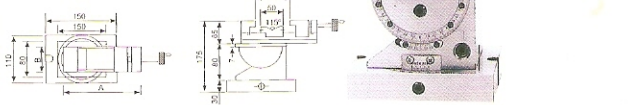
CA-09 轉牙型拋光工具萬力 TOOL MAKERS VISE



- CA-09轉牙型拋光工具萬力，採用特殊高碳鋼，經熱處理（硬度：58°~62°）、深冷處理及精密研磨而成，平行度與垂直度都在0.003mm/m以內。
- 表面特作“拋光”研磨，光亮如鏡，不易刮傷、生鏽及變形，用於加工錫鋼刀、製造高精度成型夾具及放電加工，使用此萬力研磨圓柱型工作物更為方便精準。

LENGTH	WIDTH	HEIGHT	JAW WIDTH	JAW OPENING	JAW HEIGHT	WEIGHT	HARDEN
170	60	65	60	62	35	4.5kg	58°~62°

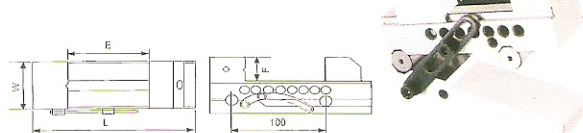
CA-10 小三元萬力 UNIVERSAL 3-WAY ANGLE VISE



- CA-10之小三元萬力，主體部份以SK 2高碳鋼，經熱處理（硬度：56°~58°）、精密研磨而成，精密度皆在0.01mm/m以內。
- 如將其角度固定，可產生定位效果，在任何位置都不會產生左右偏移的情形。
- 萬力主體可作360°迴轉，傾斜角度可達0°~45°，在萬力主體可迴轉的範圍內自由調整，主要用於在磨床上加工形狀多變，精度高的工作物，使用方便、輕巧靈活。對機械本身不造成負重的問題。

LENGTH	WIDTH	JAW WIDTH	JAW OPENING	WEIGHT
165	60	60	78	8.5kg

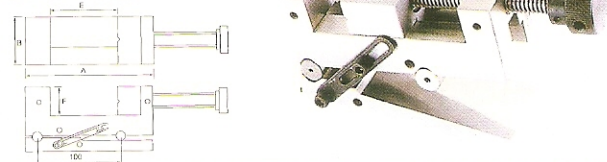
CA-11 正弦萬力 SINE VISE



- 正弦萬力本身除具備工具萬力的優點之外，並將正弦原理利用於萬力的應用範圍，也可做為正弦的角度檢查與角度研削…等功能。
- （硬度：56°~58°）、精密研磨而成，精密度皆在0.01mm/m以內。
- 精密度（平行度、直角度）保持於0.005mm以內，角度可使用至0°~45度。

L	W	E	F	MATERIAL	N.W.
140	48	65	25	SK 2	3.1kg
170	63	90	35	SK 2	4.6kg
180	73	90	35	SK 2	9.1kg

CA-12 正弦萬力 SINE VISE



LENGTH	WIDTH	JAW OPENING	JAW HEIGHT	ANGLE	HARDEN	MATERIAL	WEIGHT
155	50	60	35	0°~45°	58°	SK 2	5kg
180	64	70	40	0°~45°	58°	SK 2	8kg
197	75	85	45	0°~45°	58°	SK 2	12kg

CA-13 精密成型虎鉗 PRECISION MAKER VISE



Material	SK 2
Parallelism	Within 0.003mm / 100mm
Squareness	Within 0.005mm / 100mm

Harden treatment up to HRC 55°~58°

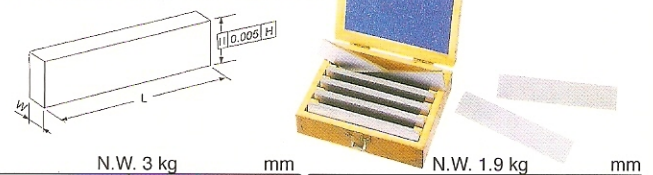
L	W	H	D	E	N.W.
65	25	30	10	20	0.5kg
100	36	40	20	40	1.3kg
149	47	57	29	74	1.8kg
169	62	62	34	89	2.8kg
189	72	66	34	99	3.8kg
225	88	85	45	120	7.5kg
230	98	85	45	125	9.0kg
287	125	100	50	157	18.3kg
330	330	100	50	200	23.0kg

CA-14 轉牙型精密虎鉗 PRECISION MAKER VISE



L	W	H	D	E	N.W.
154	47	53	24	59	2.2kg
175	62	59	29	80	4.7kg
180	72	69	29	75	5.8kg
250	88	73	38	125	8.9kg
250	98	73	38	125	9.2kg

CA-15 平行板 PRECISION PARALLELS



N.W. 3 kg		N.W. 1.9 kg	
WxHxLxPCS	WxHxLxPCS	WxHxLxPCS	WxHxLxPCS
3 x 13 x 150 x 2	3 x 28 x 150 x 2	4 x 10 x 100 x 2	4 x 30 x 100 x 2
3 x 16 x 150 x 2	3 x 31 x 150 x 2	4 x 14 x 100 x 2	4 x 34 x 100 x 2
3 x 19 x 150 x 2	3 x 35 x 150 x 2	4 x 18 x 100 x 2	4 x 38 x 100 x 2
3 x 22 x 150 x 2	3 x 38 x 150 x 2	4 x 22 x 100 x 2	4 x 42 x 100 x 2
3 x 25 x 150 x 2	3 x 41 x 150 x 2	4 x 26 x 100 x 2	

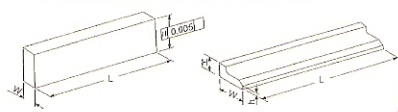
N.W. 3.8 kg		N.W. 6.6 kg	
WxHxLxPCS	WxHxLxPCS	WxHxLxPCS	WxHxLxPCS
8 x 12 x 120 x 2	8 x 28 x 120 x 2	8 x 17 x 200 x 2	8 x 32 x 200 x 2
8 x 17 x 120 x 2	8 x 32 x 120 x 2	8 x 22 x 200 x 2	8 x 36 x 200 x 2
8 x 22 x 120 x 2	8 x 36 x 120 x 2	8 x 25 x 200 x 2	8 x 38 x 200 x 2
8 x 25 x 120 x 2	8 x 38 x 120 x 2	8 x 28 x 200 x 2	8 x 43 x 200 x 2

CA-16 1/8" 平行板 1/8" THIN STYLE PARALLELS SET



WxHxLxPCS	HOLE	WxHxLxPCS	HOLE
1/8 x 1/2 x 6 x 2	1/4	1/8 x 1-1/8 x 6 x 2	3/8
1/8 x 5/8 x 6 x 2	1/4	1/8 x 1-1/4 x 6 x 2	3/8
1/8 x 3/4 x 6 x 2	5/16	1/8 x 1-3/8 x 6 x 2	1/2
1/8 x 7/8 x 6 x 2	5/16	1/8 x 1-1/2 x 6 x 2	1/2
1/8 x 1 x 6 x 2	5/16	1/8 x 1-1/8 x 6 x 2	1/2

CA-17 虎鉗平行板 GROUND PARALLELS



Material	S45C
Hardness	HRC 55°~58°
N.W.	11kg

WxHxLxPCS	WxHxLxPCS
5 x 16 x 100 x 2	14 x 48 x 150 x 2
6 x 18 x 100 x 2	18 x 60 x 150 x 2
8 x 24 x 100 x 2	22 x 62 x 150 x 2
10 x 30 x 100 x 2	31 x 15 x 150 x 2 x 2.5
12 x 36 x 100 x 2	

CA-18 1/4"平行板 PRECISION PARALLELS

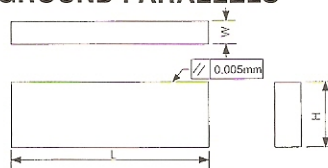


N.W. 4.2kg

Material	S45C
Hardness	HRC 52°~55°

WxHxLxPCS	HOLE	WxHxLxPCS	HOLE
1/4 x 3/4 x 6 x 2	5/16	1/4 x 1-3/8 x 6 x 2	7/16
1/4 x 7/8 x 6 x 2	5/16	1/4 x 1-1/2 x 6 x 2	7/16
1/4 x 1 x 6 x 2	5/16	1/4 x 1-5/8 x 6 x 2	1/2
1/4 x 1-1/8 x 6 x 2	3/8	1/4 x 1-3/4 x 6 x 2	1/2
1/4 x 1-1/4 x 6 x 2	3/8		

CA-19 8.5mm平行板 GROUND PARALLELS



Material	S45C
Hardness	HRC 50°~55°

N.W. 11kg

WxHxLxPCS	WxHxLxPCS
8.5 x 14 x 150 x 2	8.5 x 32 x 150 x 2
8.5 x 16 x 150 x 2	8.5 x 36 x 150 x 2
8.5 x 20 x 150 x 2	8.5 x 40 x 150 x 2
8.5 x 24 x 150 x 2	8.5 x 44 x 150 x 2
8.5 x 30 x 150 x 2	

CA-18 10mm虎鉗平行板 PRECISION PARALLELS

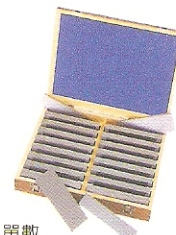


N.W. 10.2kg

Material	S45C
Hardness	HRC 50°~55°

WxHxLxPCS	WxHxLxPCS
10 x 14 x 150 x 2	10 x 28 x 150 x 2
10 x 16 x 150 x 2	10 x 30 x 150 x 2
10 x 18 x 150 x 2	10 x 32 x 150 x 2
10 x 20 x 150 x 2	10 x 35 x 150 x 2
10 x 22 x 150 x 2	10 x 40 x 150 x 2
10 x 24 x 150 x 2	10 x 45 x 150 x 2
10 x 26 x 150 x 2	10 x 50 x 150 x 2

CA-21A/B 平行板 PRECISION PARALLELS

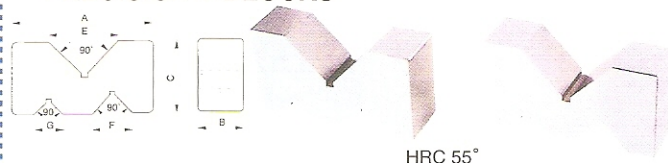


N.W. 12.5kg

Material	S45C
Hardness	HRC 50°~55°

雙數	mm	單數	mm
WxHxLxPCS	WxHxLxPCS	WxHxLxPCS	WxHxLxPCS
8 x 16 x 150 x 2	8 x 34 x 150 x 2	8 x 17 x 150 x 2	8 x 35 x 150 x 2
8 x 18 x 150 x 2	8 x 36 x 150 x 2	8 x 19 x 150 x 2	8 x 37 x 150 x 2
8 x 20 x 150 x 2	8 x 38 x 150 x 2	8 x 21 x 150 x 2	8 x 39 x 150 x 2
8 x 22 x 150 x 2	8 x 40 x 150 x 2	8 x 23 x 150 x 2	8 x 41 x 150 x 2
8 x 24 x 150 x 2	8 x 42 x 150 x 2	8 x 25 x 150 x 2	8 x 43 x 150 x 2
8 x 26 x 150 x 2	8 x 44 x 150 x 2	8 x 27 x 150 x 2	8 x 45 x 150 x 2
8 x 28 x 150 x 2	8 x 46 x 150 x 2	8 x 29 x 150 x 2	8 x 47 x 150 x 2
8 x 30 x 150 x 2	8 x 48 x 150 x 2	8 x 31 x 150 x 2	8 x 49 x 150 x 2
8 x 32 x 150 x 2	8 x 50 x 150 x 2	8 x 33 x 150 x 2	8 x 51 x 150 x 2

CA-22 M型V型枕 PRECISION V-BLOCKS

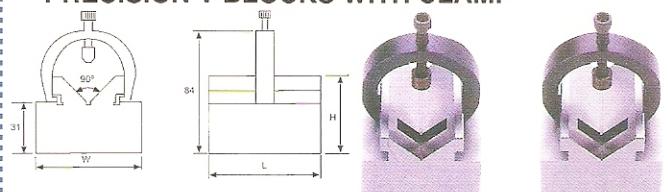


HRC 55°

Parallelism	Within 0.003mm / 100mm
Squareness	Within 0.005mm / 100mm

A	B	C	E	F	G	N.W.	PCS
50	19	24	24	17	13	0.3kg	2
75	24	35	37	24	16	0.8kg	2
100	33	52	50	30	20	2.1kg	2
125	44	69	63	37	26	4.7kg	2
150	50	80	75	45	30	7.3kg	2
175	62	90	87	50	35	11.7kg	2
200	70	100	100	60	40	16.3kg	2

CA-23 V型三角台 PRECISION V-BLOCKS WITH CLAMP

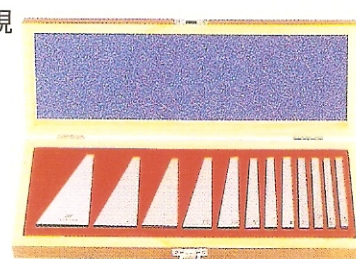


Material	S50C
Parallelism	Within 0.003mm / 100mm
Squareness	Within 0.005mm / 100mm

Hardening treatment up to HRC 55°~58°

LENGTH	WIDTH	HEIGHT	CAPACITY	N.W.
63	63	46	25	13kg x 2

CA-24A/B 精密角度規 ANGLE BLOCKS



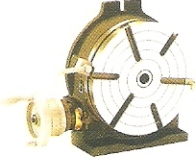
ORDER NO.	ANGLE	N.W.
CA-24A	1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°, -10pcs	1.0kg
CA-24B	1/4°, 1/2°, 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30°, -12pcs	1.1kg

橫立兩用型分度盤

Horizontal/Vertical Rotary Table

迷你型4"分度盤

Mini Rotary Table



齒輪比90:1

型號 Model No.	盤徑TABLE OUTER DIAMETER D	整體尺寸Base Dimension		
		長L	寬W	中心高CENTER HEIGHT
CA-4	110	145	115	85
CA-6	150	200	160	100
CA-8	200	265	220	135
CA-10	250	325	280	165
CA-12	300	388	330	195
CA-14	350	450	380	230
CA-16	406	500	430	255

尾座

Tailstock



型號 Model No.	調整範圍ADJUSTABLE		適用產品used of modle
	HIGHEST	LOWEST	
CA-1	110	75	VSI-4, VSI-5, BS-0, HV-6, VU-100, VU-150
CA-2	145	115	BS-1, CC-6, CS-6, HV-8, VU-200
CA-3	200	130	CS-8, HV-10, HV-12
CA-4	260	190	HV-14, HV-16

四方型氣動分度盤

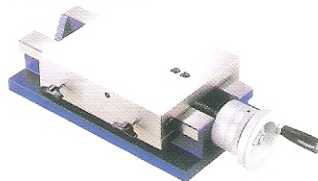
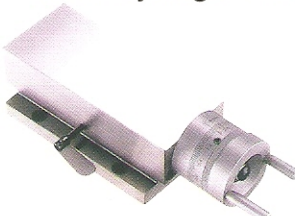
Precision Index Table



ORDER NO.	VIT-300-15	VIT-450-5	VIT-600-5	VIT-700-5	VIT-800-5	VIT-1000-5	VIT-1200-5
TABLE SIZE L x W(mm)	300X300	450X450	600X600	700X700	800X800	1000X1000	1200X1200
ALLOWED LOAD KGS 荷重	500	1000	2000	2000	3000	5000	6000
CODE NO.	1001-070(15)	1001-081	1001-082	1001-083	1001-084	1001-085	1001-086

單向角牙滑座

One Way Angle Thread Slide Table



Material	over FC-30
Parallelism	±0.01mm

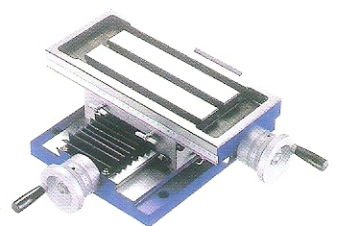
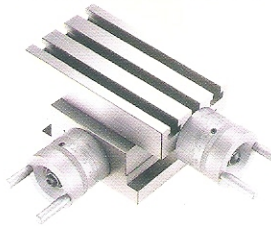
Frature: The sliding surfaces are treated by heat-treatment & precision ground

CA-1630/CA-1640/CA-2030/CA-2040/CA-0260
CA-2130/CA-3050/CA-3070/CA-3080/CA-30220

型號 Model	行程 Stroke	總高度 Total height	刻度環 Dial graduation	包裝尺寸 Weight(kg)
CA-75	75	60	2.5 X 0.02	6.5
CA-100	100	70	2.5 X 0.02	9.5
CA-125	125	80	4.0 X 0.02	18.5
CA-1630	100	90	4.0 X 0.02	20.0
CA-1640	200	90	4.0 X 0.02	23.0
CA-2030	50	120	4.0 X 0.02	35.0
CA-2040	100	120	4.0 X 0.02	40.0
CA-2060	300	120	4.0 X 0.02	50.0
CA-2130	1000	150	4.0 X 0.02	150.0
CA-3050	150	188	4.0 X 0.02	98.0
CA-3070	350	188	4.0 X 0.02	125.0
CA-3080	450	188	4.0 X 0.02	135.0
CA-30220	1850	188	4.0 X 0.02	380.0

精密十字工作台

Precision Cross WorkTable



CA-100

Material over FC-30

Parallelism ±0.01mm

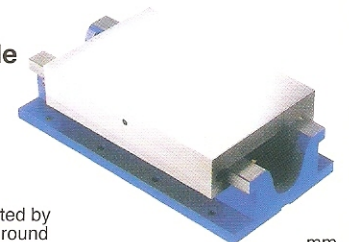
CA-150/CA-200/CA-250/CA-250A

Frature: The sliding surfaces are treated by heat-treatment & precision ground

型式 Model	行程 Stroke	T槽螺帽 T slot size	總高度 Total height	刻度環 Dial graduation	PACKING L x W x H (mm)	重量 Weight (kg)
CA-100	50X80	3/8"	100	2mm/0.01	290X240X140	16
CA-150	150X175	3/8"	130	4mm/0.02	450X390X180	38
CA-200	200X250	3/8"	155	4mm/0.02	640X520X200	78
CA-250	250X300	1/2"	210	4mm/0.02	790X680X310	119/141
CA-250A	250X500	1/2"	210	4mm/0.02	900X680X310	139/165

經濟工字滑台V型

ECONOMIC H Type Slide Table V Type



Material over FC-30

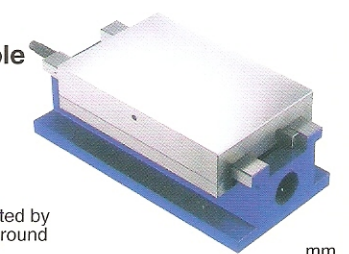
Parallelism ±0.01mm

Frature: The sliding surfaces are treated by heat-treatment & precision ground

型式 Model	工作台面積 Table surface	底座面積 Base area	高度 H	油缸孔徑 Hydraulic cylinder	重量 Weight(kg)
CA-1630	160X200	160X300	90	U型	19
CA-1640	160X200	160X400	90	U型	22
CA-2030	200X300	200X300	120	U型	33
CA-2040	200X300	200X400	120	U型	38
CA-2060	200X300	200X600	120	U型	48
CA-2080	200X300	200X800	120	U型	60
CA-20100	200X300	200X1000	120	U型	70

強力工字滑台

Power H Type Slide Table



Material over FC-30

Parallelism ±0.01mm

Frature: The sliding surfaces are treated by heat-treatment & precision ground

型式 Model	工作台面積 Table surface	底座面積 Base area	高度 H	油缸孔徑 Hydraulic cylinder	重量 Weight(kg)
CA-2040	200X300	200X400	150	65 φ	50
CA-2050	200X300	200X500	150	65 φ	58
CA-2060	200X300	200X600	150	65 φ	65
CA-2130	200X300	200X1300	150	75 φ	140
CA-3050	300X350	300X500	188	75 φ	98
CA-3070	300X350	300X700	188	75 φ	120
CA-3080	300X350	300X800	188	75 φ	135
CA-30100	300X350	300X1000	180	75 φ	
CA-30120	300X350	300X1200	180	75 φ	
CA-30150	300X350	300X1500	180	75 φ	
CA-30200	300X350	300X2000	180	75 φ	
CA-30220	300X350	3000X2200	180	75 φ	
CA-4070	400X500	400X700	200	80 φ	
CA-40100	400X500	400X1000	200	80 φ	
CA-40130	400X500	400X1300	200	80 φ	
CA-40160	400X500	400X1600	200	80 φ	
CA-40200	400X500	400X2000	00	80 φ	

MC MECHANICAL-TYPE PRECISION VICE CORNER

Most kindly design to considered every tiny point

- Chip cover adopted, preventing chips falling into causing bad motion
- Double opening than those of same grade vice. Can easy clmp longer work piece.
- The jaw more deeper than those of same grade vice.. Can clamping higher workpiece correctly.
- Max. opening capacity 307m/m.

The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.



Standard Accessories

- 1.Handle-1 set
- 2.Guide key-2pcs
- 3.Screw-M6x10Lx2pcs
- 4.Chip cover
- 5.Vise locked block-4pcs

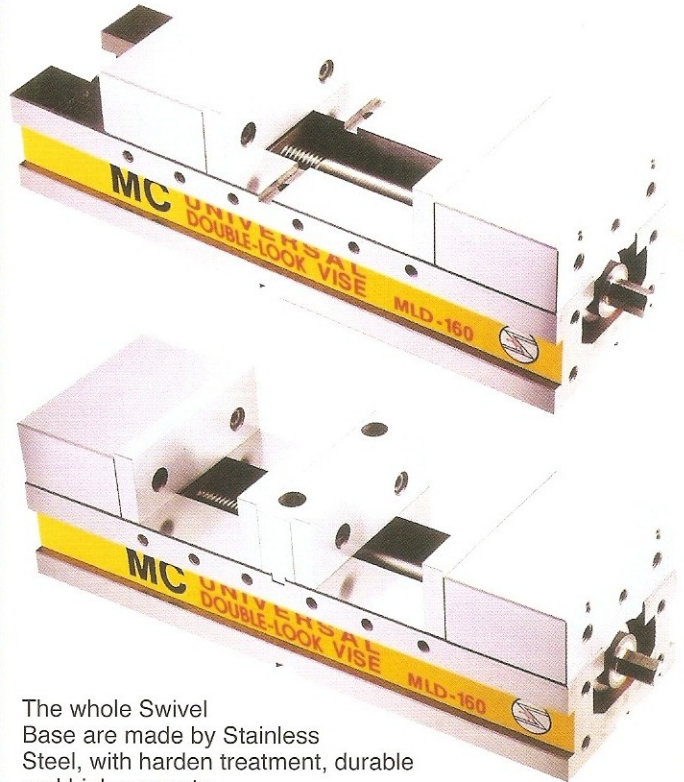
Optional Accessories

- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base
- 4.Opening jaw plates
- 5.Sleeve spanner

MODEL NO.	A	B	C	D	E	F	G	H	I	J	NW	GW
MB-100	100	400	490	85	45	80	110	23	18	150	27kg	30kg
MB-130	130	450	540	95	50	85	135	23	18	200	40kg	43kg
MB-160	160	550	690	100	60	103	200	23	18	280	58kg	61kg
MB-200	200	600	640	110	65	108	220	23	18	300	87kg	99kg
MB-160B	160	450	690	100	60	103	135	23	18	200	58kg	58kg

MC DOUBLE-CLAMPING PRECISION VICE CORNER

Most kindly design to considered every tiny point



The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

- 1.Handle-1 set
- 2.Guide key-2pcs
- 3.Screw-M6x10Lx2pcs
- 4.Vise locked block-4pcs

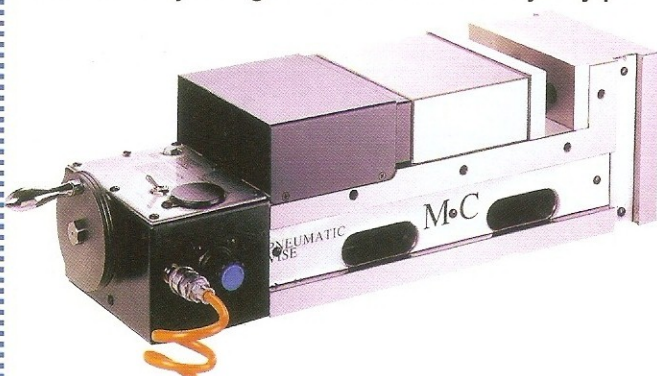
Optional Accessories

- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base
- 4.Opening jaw plates

MODEL NO.	A	B	C	D	E	F	G	H	I	WEIGHT
MB-100	400	105	100	65	23	40	75	40	75	25kg
MB-130	500	145	160	90	23	55	100	60	100	50kg

PNEUMATIC MC RECISION ANGLE-FIXED VICE CORNER

Most kindly design to considered every tiny point



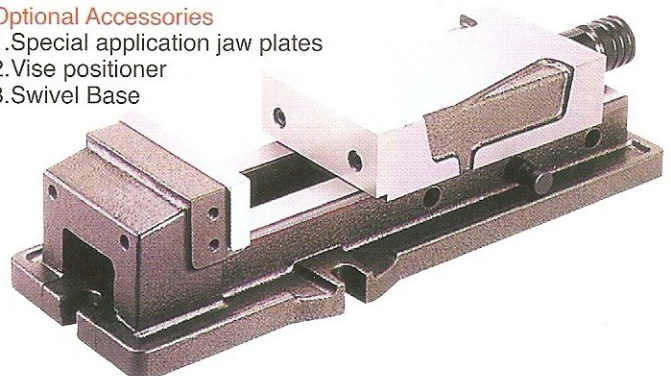
The whole Swivel Base are made by Stainless Steel, with harden treatment, durable and high accurate.

Standard Accessories

- 1.Handle-1 set

Optional Accessories

- 1.Special application jaw plates
- 2.Vise positioner
- 3.Swivel Base



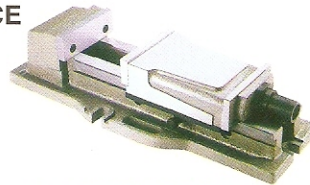
MODEL NO.	A	B	C	D	E	F	G	H	I	J	K	L	STROKE OPENING			Q	Body weight	Base weight	POWER
													N	O	P				
CA-170	620	240	170	183	80	39	500-850	18	220	300	340	320	0-100	98-200	195-300	64	58kg	15kg	4000kg
CA-210	720	280	210	210	100	42	565-865	18	240	370	400	360	0-100	98-200	195-300	68	68kg	23kg	5500kg

ANGLE LOCK AND POWERFUL TYPE PRECISION VICE ANGLE LOCK AND HYDRAULIC PRECISION VICE



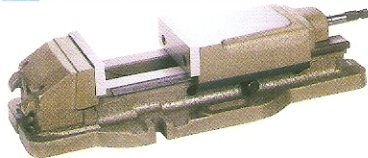
MODEL NO.	A	B	C	D	E	F	G	H	I	J	K	L	STROKE OPENING			Q	Body weight	Base weight	POWER
													N	O	P				
CA-170	620	240	170	183	80	39	500-1050	18	220	300	340	320	0-100	98-200	195-300	64	58kg	15kg	4000kg
CA-210	720	280	210	210	100	42	565-1250	18	240	370	400	360	0-100	98-200	198-300	68	90kg	23kg	5500kg
CA-260	820	320	260	243	110	48	610-1450	20	270	430	460	420	0-100	109-220	218-330	85	140kg	32kg	6000kg
CA-170	620	240	170	183	80	39	500-1050	18	220	300	340	320	0-100	98-200	195-300	64	58kg	15kg	4000kg
CA-210	720	280	210	210	100	42	565-1250	18	240	370	400	360	0-100	98-200	195-300	68	90kg	23kg	5500kg

ECONOMICAL POWERFUL AND MECHANICAL POWER VICE



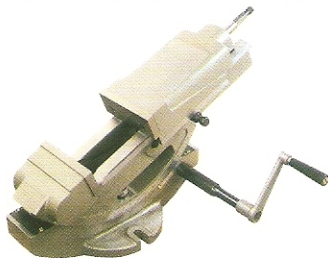
MODEL NO.	A	B	C	a	b	c	d	e	f	g	h	i	STROKE OPENING			Body weight	Base weight	POWER
													X	Y	Z			
CA-100	100	36	170	525	430	130	160	94	60	78	100	155	0-60	57-115	110-170	16kg	6kg	2500kg
CA-125	125	46	220	670	540	165	185	118	72	97	117	185	0-72	70-140	195-220	32kg	10kg	3500kg
CA-150	150	51	300	800	620	200	240	133	82	116	125	247	0-100	98-200	195-300	54kg	16kg	4400kg
CA-200	200	62	300	900	700	240	280	162	100	160	165	266	0-100	98-200	195-300	89kg	23kg	5500kg

UNIVERSAL HYDRAULIC PRECISION VICE



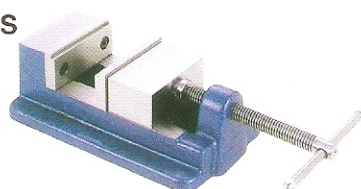
MODEL NO.	A	B	C	a	b	c	d	e	f	g	h	i	Body weight	Base weight	POWER
CA-100	100	36	170	525	430	130	160	94	60	78	100	155	16kg	6kg	2500kg
CA-125	125	46	220	670	540	165	185	118	72	97	117	185	32kg	10kg	3500kg
CA-150	150	51	300	800	620	200	240	133	82	116	125	247	54kg	16kg	4400kg
CA-200	200	62	300	900	700	240	280	162	100	160	165	266	95kg	30kg	5500kg

UNIVERSAL HYDRAULIC PRECISION VICE



MODEL NO.	A	B	C	a	b	c	d	e	h	i	j	Body weight	Base weight	POWER
CA-100	100	36	170	525	330	65	162	177	90	172	50	24kg	6kg	2540kgf
CA-125	125	53	300	801	415	95	242	237	121	241	50	68kg	14kg	4400kgf

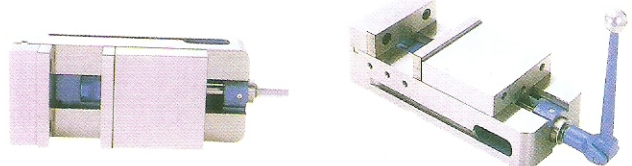
CA-23 V型三角台 PRECISION V-BLOCKS WITH CLAMP



View bottom and siding surface parallelism within 0.03mm/m
View bottom and vice jaw perpendicularity within 0.03mm/m
1.Lock down jaw mechanism, eliminates jaw lifting and workpiece titling
2.High tensile spheroid graphite cast iron FCD-45
3.Vice bottom and sliding ways are precision ground.
4.View jaw designed by L type, hardened to HRC52 and precision ground.
5.Most suitable for precision drill process.
Accuracy: within 0.005mm

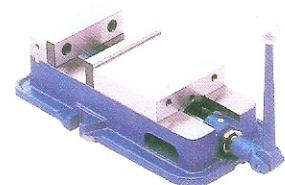
MODEL NO.	JAW HEIGHT	JAW WIDTH	RANGE	WEIGHT
CA-100(4")	43	100	95/105	6.0kg
CA-125(5")	44	130	100/110	8.2kg
CA-150(6")	44	160	105/115	10.1kg

PRECISION FIXED ANGLE VICE



MODEL NO.	A	B	C	D	E	F	G	H	I
CA-150	154	157	145	365	430	73	111	117	44

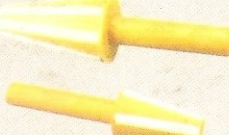
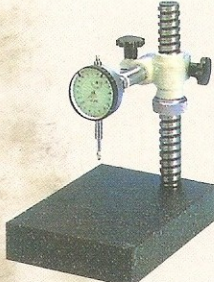
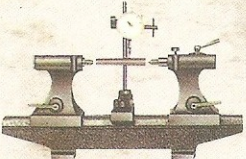
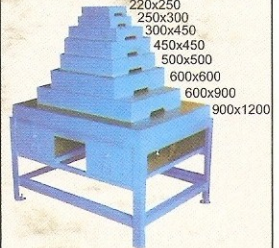
FIXED ANGLE



MODEL NO.	A	B	C	D	E	F	G	H
CA-100	102	325	180	90	30	110	235	32
CA-125	150	420	240	117	44	150	300	42
CA-200	204	545	300	152	65	200	375	45

CHE^N-AN

CNC MACHINE CENTER'S PARTS PRO-MANUFACTURE....

				
CA-175-1 Z軸設定器 (附錶式) Z axis preset gauge (indicator type) 50m/m	CA-175 Z軸設定器 (光電式) Z axis preset gauge (optical type) 50m/m	CA-176 Z軸設定器 (附錶式) Z axis preset gauge (indicator type) 100m/m	CA-113 3D探測器 3D surveyor	CA-114 立橫兩用鎖刀座 Vertical/Horizontal BT
				
CA-6630 擦拭棒 Spindle taper wipers #50, #40	CA-6698 虎鉗平行板 Parallel set	CA-6699-1 雙柱型花崗石比測台 Double column marble testing pallet	CA-174 偏心檢測儀 (不附錶) Center surveyor (without gauge)	高精密鑄鐵平行台 High Precision Casting Vertical Pallet



KOBECO MACHINE TOOLS SDN. BHD. (376282-X)

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