



邁能工具鹽床



錡增機械工業股份有限公司 CHI TSENG MACHINERY IND, CO., LTD.

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CT-305,205 之工作台採用線性軌道設計利用:

1.90°的V形溝槽軌道,使他能夠承受來自各方向的力量。

90°"V" type slide way can bear power of each side.

2. 軌道經過特殊的熱處理,它是相當耐磨的。 Slide way is by well heat-treament, very durable.



 採用圓筒形之支撐體,其問隙設計非常精密 ,因此允許的負重便更大。

Adopting cylindrical supporten precision pitch, it can take more strong strengeh.

 因和圓筒支撐體的摩擦係數很小,所以可以 很平滑的移動。

Has a low friction between cage and the cylindrical suppouter, thus the working table a smooth movement.

端銑刀研磨

利用 C2AH 風壓軸座的輔助研磨,可以輕易的將端銑刀之螺旋刀刃及端面的第一,二隙角研磨完成。

A straight shank end mill being sharpened, held on C2AH fixture with 5C collet.



本公司出產之萬能工具謄床係以最精巧的結構設計,用最 簡單的方法來研磨萬能銑床所用的各式鎢鋼銑刀,高速度 鋼銑刀,及鎢鋼車刀等各類工作母機的各種特殊工具之用 。採用經特殊設計之雙軸端馬達,故馬力大,其振動力少 内裝成對雙聯接觸角球軸承,確保心軸之真圓度及最高 精度之性能・心軸之交換及修理亦很容易。

This machine is designed specially and accurately for grinding the miscellaneous tangalloy milling cutter, tool-bit and the other cutter or any special machine tools by the simpliest method. The main motor are designed of doubleended and mounted the angular contact ball bearings which be centre-true and vibration-free operation to keep the runout and accuracy of its spindle in longtime. This motor is powerful and ball bearings are easy to maintain and repair.



CT-610採用鋼珠驅動





CT-610 特點:

- 1. 工作台採用鋼珠驅動,移動平滑。
- 2. 美觀堅固·適用於各類刀具研磨。
- 3. 風壓軸座係用經熱處理的鋁合金及不銹鋼管操作簡單 且精度高。
- 4. 主軸座可作上下 160mm 的昇降。
- 5.採用鲷桿及鳎輪傳動,可調整砂輪頭的旋轉及角度。
- 6. 立柱可做 360 度的旋轉。
- 7. 能消除前後進給螺桿間隊。

Features

- 1. Work table is driven by steel rollers for smooth
- 2. Prtty and sturdy, suitable for various tools grinding.
- 3. Pneumatic axis seat is made of headed treated aluminum alloy, easy operation and high accuracy.
- 4. Main spindle is able to up or down for 160mm.
- 5. Driven by worm and gear, grinding wheel's swivel and angle are adjustable.
- 6.Column is able to swivel for 360.
- 7. Eliminate forward/backforwad feed rod screw's

CT-610 標準附件 Standard Accessories

1. 碗形砂輪 2 只 Cup wheel 2 pcs 2. 操作工具 Adjusting tools 3.5C 筒夾 1 組(7只) 5C collet 1 set(7 pcs)

C2AH End mill grinder air bearing fixture 5C 5C collet taper "CT-610+C2AH"

CT-U2



U2 標準附件 Standard Accessories

1. 鑽石修刀 Wheel dresser with dimond	1pc
2. 砂輪法蘭 Wheel flange(mounted)	1pc
3. 砂輪 Grinding wheel	1pc
4. 筒夾 Collet 4,6,8,10,12mm	5pcs
5. 校直器 Aligning finger	1pc
6. 皮帶 Drive belt	1pc
7. 裝砂輪固定梢 Lock pin	1pc
8. 固定砂輪工具 Tools	1set

U2 規格

最大夾持直徑 18mm 25mm 最大研磨直徑 0°~180° 推拔角度 0°~45° 離隊角 負推拔角度 0°~26° 主軸轉速 3600r.p.m 100x50x20mm 砂輪直徑 1/3HP,1~2PH,110~380V,50/60HZ 馬達 淨重 機械尺寸 (LxWxH)450x400x350mm

(LxWxH)550x450x470mm

Technical Data

包裝材積

Max. collet capacity 18mm

Max. grinding dia. 25mm

Taper angle 0°~180°

Rellef angle 0°~45°

Negative angle 0°~26°

Grinding spindle 3600r.p.m

Cup grinding wheel 100x50x20mm

Motor 1/3HP, 1~2HP, 110~380V, 50/60HZ

Net weight 45kgs

Machine dimensions(LxWxH)450x400x350mm

Packing dimensions(LxWxH)550x450x470mm

U2 特別附件 Optional Accessories

- 1. 砂輪平衡架 Grinding wheel balancing start
- 2. 鑽石砂輪 Diamond grinding wheel
- 3. 工具櫃 Tool cabinet
- 4. 筒夾 Collet 1,2,2.5,3,5,7,9,18,20,25mm and 1/8",3/16",1/4",5/16",3/8",1/2",5/8" inch

標準附件 Standard Accessories

(CT305,457)



1. 碗形砂輪 Cup wheel



 刀齒定位架 Tooth rest



 磨車刀附件 Tool-bit grinding attachment.



6. 頂針 Center M.T. No.3



 平面銑刀套軸 Face-mill holder



7. 工具 Adjusting tools



4. 側銑刀套軸 Cutter arbor 1" OD.



8. 冷卻裝置 Coolant system CT-305,457

功能 Function



1. 側銑刀研磨 Sharpening side milling cutter held on C2SH fixture with a AA01-AA15 arbor, C2R1 plain tooth rest is indexed against index disc.



2.R 型端銑刀研磨 Sharpening a ball radius end mill held on C1RG attachment.



3. 車刀研磨 Sharpening turning tool set-up on C2LH fixture.



4. 雕刻刀、R型刀、銑刀特殊研磨 Engraving, radius and end mill grinder



5. 側銑刀研磨 Sharpening side milling cutter held on C2T12 fixture with a AB01-AB04 arbor, C2R2 plain tooth erst is indexed against index disc.



6. 平立銑刀研磨 Sharpening face milling cutter being held in the C2SF fixture with a AA20-AA26 arbor, cutter is indexed with C2R1 univ tooth rest, and wheel is Diamond cup wheel.



7. 滾齒刀研磨 Sharpening gear hob held on C2T12 fixture with a AB01-AB04 arbor, C2R2 plain tooh rest is indexed against index disc.



8. 鋸片研磨 Sharpening circular saw blade held on C1SG attachment.



9. 鑽頭、牙攻、銑刀多功能研磨 Drill, tap, end mill grinder

特別附件 Special Accessories

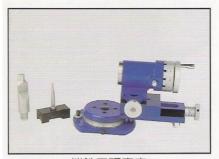


CT-U2-1:U2專用工具櫃 Tool cabinet with CT-U2

C3412:205,610增高底座 Machine floor stand with CT-205,610



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1.C1RG R 端銑刀研磨座 Radius attachment



2.C2SH 銑刀研磨座 Sensitine work hend B&S taper No.11(with AK-24 index disc)



3.C2LH 車刀研磨座 Work holding fixture



4. C3RG:ER沖子研磨座 ER collet dividing punch grinder attachment



5.C2SF 平面銑刀研磨座 Sensitive work head NT#50 taper with AK-24 index disc



6.C2AH 端銑刀研磨座 End mill grinder. Air bearing fixture 5C, 5C collet taper



7.C1SG 鋸片研磨座 Circular saw blade grinder attachment (up to 508mm(20") dia.)



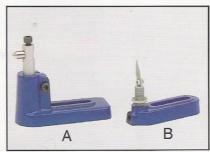
8.C2T12 尾座 CT-610專用 Tailstock(Left &Right) with CT-610



9.C2R1 萬向刀刃引導桿 Universal tooth erst (a:mm. b:inch)



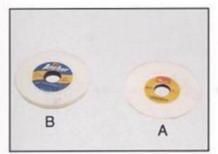
10. C1DG(D):多功能研磨座 Universal grinder attachment



11.A:C2D1 鑽石修整器 Diamond dresser B:C2R2 頂針座 Plain tooth rest



12.5C collet 5C 筒夾 5C collet to fit AC01 collet sleeve and C2AH air bearing fixture. 5Cl:均16",3/8",1/2",5/8",3/4",",1"(7pcs.) 5CM:6,8,10,12,16,20,25mm(7pcs.)



13.A:AW10 碟形砂輪 Saucer wheel. (150x13x31.75mm) B:5112-706 平直砂輪 Straight wheel. (150x13x31.75mm)



14.AW101 6" 顕石砂輪 6" Diamond cup wheel. (150x50x31.75mm) AW102 4" 顕石砂輪 4" Diamond cup wheel.(100x50x31.75mm)



15.AF01B 4" 三爪夾頭 4" Adjustable 3-jaw chuck mounted on B&S No.11 taper arbor. (C2SH, C2TH)



16.INDEX DISCS 分度盤
To fit C2SH&C2SF sensitive work head and AB01-04 cutter & hob grinding arbors. Available for AK24,30,32,36,40,42,44,46,48 and 60 divisions.



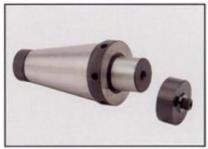
17.COLLET FIXTURE 筒夾夾具 AC01A for changing C2SH from B&S No.11 taper to accept 5C collet. AC01C for changing C2TH from B&S No.11 taper to accept 5C collet.



18.TAPER SLEEVES 斜度套筒軸 5C collet taper O.D. set-up on AC01 collet sleeve and C2AH air bearing fixture spindle AC07 No.3 MT TAPER I.D. AC08 No.2 MT TAPER I.D. AC09 No.1 MT TAPER I.D.



19.TAPER ARBOR 聯結軸 5C collet taper O.D. set-up on AC01 collet sleeve and C2AH air bearing fixture spindle. AC27 J6 TAPER O.D.



20.ARBOR 万坪 (to be used with C2SF)
Sharpening face milling cutters arbors
NT#50 taper O.D.(see picture above)
AA20 1 1/2"
AA25 40mm



21.TAPER SLEEVES 錐度襯套 B&S No.11 taper O.D.These sleeves can be used on all types of cutters with taper shanks. AC20 4MT I.D. AC22 2MT I.D.



22.ARBORS 刀桿
Shell end mill and cutter arbor B&S No.11
taper O.D. specially designed to sharpen
O.D. and face of shell type milling cutters.

O.D. and face of shell type milling cuttor
AA01 1/2" Arbor
AA02 5/8" Arbor
AA03 3/4" Arbor
AA04 7/8" Arbor
AA05 1" Arbor
AA07 1 1/2" Arbor



23.CUTTER AND HOB GRINDING (to be used with C2T12) 刀桿及襯套

AB01 1/2" Arbor AB02 1" Arbor AB05 3/4" Sleeve AB06 7/8" Sleeve AB07 1 1/4" Sleeve AB08 1 1/2" Sleeve AB09 2" Sleeve

AB03 13mm Arbor AB04 27mm Arbor AB10 16mm Sleeve AB11 22mm Sleeve AB12 32mm Sleeve AB13 40mm Sleeve

AA26 60mm



24.STRAIGHT SLEEVES 5C 直柄套筒 5C collet taper O.D. set-up on AC01 collet sleeve and C2AH air bearing fixture spindle

AC25 11/4" I.D. AC26 32mm I.D. A45 11/2" I.D. AC28 40mm I.D. A51 50mm I.D.

機型	CT-205	CT-305	CT-457	CT-610
頂針距離	270mm	380mm	405mm	250mm
Distance between center	10.5"	15.6"	16"	10"
工作台面積	130x550mm	110x675mm	120x700mm	133x470mm
Working table area	5.1"x21"	4.3"x26.6"	4.7"x27.6"	5.2"x18.5"
工作台左右行程	200mm	305mm	420mm	250mm
Longitudinal travel of table				
工作物最大有效直徑	280mm	280mm	280mm	208mm
Swing over table	11.2"	11.2"	11.2"	8"
工作台前後行程	150mm	150mm	100mm	160mm
Cross travel of saddle	6"	6"	4"	6.3"
工作台旋轉角度	0°	45°	15°	0°
Swivel adjustment of table				
砂輪頭上下行程	290mm	160mm	150mm	190mm
Vertical adjustment of wheel	11.4"	6.4"	6"	7.5"
立柱旋轉角度	360°	360°	360°	360°
Swivel adjustment of column				
砂輪頭傾斜角度	360°	30°	30°	360°
Vertical tilting range wheel head				
砂輪尺寸 Saucer wheel	150mm(6")	150mm(6")	150mm(6")	150mm(6")
Diameter of wheel Flaring cup	125mm(5")	125mm(5")	150mm(5")	150mm(5")
砂輪轉速 50Hz		2850rpm	2850rpm	2850rpm
Speed of wheel 60Hz	3450rpm	3450rpm	3450rpm	3450rpm
馬達 1PH	1/3HP,110~240V	1/2HP,110~240V	1/2HP,110~240V	1/3HP,110~240V
Motor 3PH	1/3HP,220~460V	1/2HP,220~460V	1/2HP,220~460V	1/3HP,220~460V
裝箱尺寸 (LxWxH)	720x610x880mm	940x930x1600mm	870x750x1300mm	762x686x762mm
Measurement	28.4"x24"x34.7"	37"x36.6"x63"	34.2"x29.5"x51"	30"x27"x30"
重量 淨重	N.W. 160kg	N.W. 320kg	N.W. 220kg	N.W. 125kg
Weight 毛重	G.W. 200kg	G.W. 400kg	G.W. 260kg	G.W. 160kg

^{*}本公司隨時在進行研究改進,因此保有隨時更改設計規格尺寸及機械結構之權利。

Note: The manufacturer reserves the right to modify the design, specifications, mechanisms,...etc. to improve the performance of the machine without notice. All the specifications shown above are just for reference.



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