



益彰機械股份有限公司
YI CHANG MACHINERY CO., LTD



益彰機械股份有限公司
YI CHANG MACHINERY CO., LTD



TUV



CE

鑽孔機 / 攻牙機

DRILLING / TAPPING
MACHINE



ENGLISH



412 No.115 Kung Yei 11RD., Dali District,
Taichung City, Taiwan, R.O.C.
Tel : 886-4-24930678 Fax : 886-4-24930621
E-mail : contact@yi-chang.net
www.yi-chang.net

中文版



412 台中市大里區工業11路115號
Tel : 886-4-24930678
Fax : 886-4-24930621
E-mail : contact@yi-chang.net
www.yi-chang.net



目錄 Content

P8

手動鑽床
Manual Drill Machine



P10

自動鑽床
Automatic Drill Machine



P12

空油壓鑽床
Pneumatic / Hydraulic
Drill Machine



P16

手動攻牙機
Manual Tap Machine



P18

齒輪式全自動攻牙機
Automatic Tap Machine



P42

連立式多軸鑽床
Build Line On A Table





目錄 Content

客製機台 P4

訂製機台範例	P 4
伺服改善方案	P 6

精密鑽床鑽孔機 P8

手動鑽孔機	P 8
自動 - 空中離合式	P 10
自動 - 空油壓進刀	P 12
自動 - 油壓進刀	P 14

精密攻牙機 P16

手動攻牙鑽孔機	P 16
自動攻牙機 - 齒輪式	P 18

外觀尺寸 P20

常用配件 P26

安全斷電遮罩	P 26
常用配件	P 26
鑽床用十字工作台	P 28

多軸鑽孔攻牙器 P29

訂購資訊	P 30
組裝資訊	P 31
T 型	P 32
QU / QNU 型	P 34
NA / D 型	P 36
筒夾與特殊心軸	P 38

冷卻系統 P40

冷卻鐵筒架	P 40
連立工作桌	P 42

Customized Solutions P4

Customized Machine	P 4
Servo Motor Control	P 6

Drilling Machine P8

Manual	P 8
Automatic - Clutch Type	P 10
Automatic - Pneumatic	P 12
Automatic - Hydraulic	P 14

Tapping Machine P16

Manual	P 16
Automatic - Gear Type	P 18

Appearance Dimensions P20

Accessories P26

Safety Shield	P 26
Accessories	P 26
Cross Slide Table	P 28

Multiple Spindle Head P29

Order Information	P 30
Installation Information	P 31
Type T	P 32
Type QU / QNU	P 34
Type NA / D	P 36
Collets & Special Spindles	P 38

Coolant P40

Coolant Tank	P 40
Working Table	P 42

中文
版



ENGLISH



訂製機台範例

Customized Machine



▶ 油壓鑽床 & 大尺寸多軸器
Hydraulic Drill Machine
& Wide Range Multiple Spindle Head



▶ 油壓20軸
Hydraulic 20 Spindle



操作影片
Operating Video

▶ 油壓滑台
Hydraulic Sliding Table



操作影片
Operating Video



▶ 轉盤上下料
Indexing Table

▶ 多軸向鑽孔攻牙機
Multi-Direction
Drill / Tap Machine



▶ 木工用懸臂鑽床
Radial Drill Machine
for Wood Work



操作影片
Operating Video

▶ 滑台 & 光學尺
Linear Scale
& Sliding Table



▶ 自動滑台退料
Tapping with
Sliding Table



操作影片
Operating Video

客製化伺服改善方案

Customized Servo Motor Control



- ▶ 客製伺服硬軌 / 線軌鑽孔機
Customized Servo Control
Drill Machine



操作影片
Operating Video

- ▶ 雙伺服鑽孔 / 攻牙機
搭配伺服滑台
Drill / Tap Machine
with Dual Servo Motor Control
with Servo Sliding Table



- ▶ 齒輪式攻牙機 改裝伺服馬達
Automatic Tap Machine
with Servo Motor



- ▶ 油壓自動鑽床 改裝伺服馬達
Hydraulic Drill Machine
with Servo Motor



操作影片
Operating Video

- ▶ 空油壓鑽床 搭配伺服轉盤
Pneumatic Drill Machine
with Servo Indexing Table



手動鑽床

Manual Drilling Machine



操作影片
Operating Video

▶ HD-14I



變頻無段變速
Various Speed
with Inverter

▶ HD-14

▶ HD-340



▶ HD-25



型號 Model		HD-14I	HD-14	HD-340	HD-25
規格 Specifications		HD-14I	HD-14	HD-340	HD-25
進刀方式 Stroke		手動 Manual	手動 Manual	手動 Manual	手動 Manual
主軸型式 Spindle Type	主軸斜度 Inside Spindle	MT2	MT2	MT2	MT3
	鼻端斜度 For Chuck	JT6	JT6	JT6	JT6
工作能力 Working Ability	中碳鋼 Steel (S45C)	3-16	3-16	3-16	5-25
主軸行程 Spindle Travel (mm)		100	100	100	140
馬達 Motor		1HP-4P	1HP-4P	1HP-4P	2HP-6P
主軸轉速 (段數) Spindle Speed RPM (Steps)	50HZ	400-2700	480-2300 (4)	190-2800 (9)	160-1342 (9)
	60HZ		550-2700 (4)	240-3400 (9)	190-1610 (9)
重量 Weight (kg)		95	91	94	199

- 實際工作能力與刀具銳利度、潤滑及冷卻有密切關係。
- 特殊材質、尺寸須配合特製轉速。
- The practical working abilities are very related to sharpness on drill bit, good lubrication and suitable cooling.
- Customized spindle speed might be required for particular materials or drilling sizes.

★ 外觀尺寸請參考 P.20 / 21

Appearance Dimensions Please View Page 20 / 21.

自動鑽床 (離合式)

Automatic Drilling Machine (Clutch Type)



▶ HD-120



▶ HD-250



▶ HD-350



規格 Specifications		型號 Model	HD-120	HD-250	HD-350
進刀方式 Stroke			自動 Automatic	自動 Automatic	自動 Automatic
主軸型式 Spindle Type	主軸斜度 Inside Spindle		MT2	MT3	MT4
	鼻端斜度 For Chuck		JT6	JT6	
工作能力 Working Ability	中碳鋼 Steel (S45C)		3-16	5-25	15-35
主軸行程 Spindle Travel (mm)			93	133	153
馬達 Motor			1HP-4P	2HP-6P	3HP-4*8P
主軸轉速 (段數) Spindle Speed RPM (Steps)	50HZ		466-1675 (4)	200-1600 (9)	127-961 (8)
	60HZ		560-2010 (4)	210-1700 (9)	150-1140 (8)
重量 Weight (kg)			102	206	492
<p>1. 實際工作能力與刀具銳利度、潤滑及冷卻有密切關係。 2. 特殊材質、尺寸須配合特製轉速。</p> <p>1. The practical working abilities are very related to sharpness on drill bit, good lubrication and suitable cooling. 2. Customized spindle speed might be required for particular materials or drilling sizes.</p>					

★ 外觀尺寸請參考 P.20 / 21
 Appearance Dimensions Please View Page 20 / 21.

自動鑽床 (空油壓)

Automatic Drilling Machine (Pneumatic)



操作影片
Operating Video

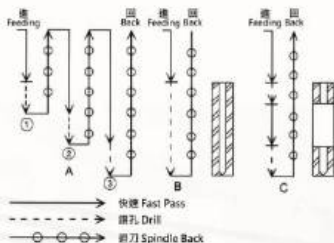


▶ HD-PAM520



▶ HD-PAM520L

- A: 退屑多段進刀 Multiple Step
B: 單段進刀 Single Step
C: 二段進刀 Two Step



型號 Model		HD-PAM520	HD-PAM520L
規格 Specifications		HD-PAM520	HD-PAM520L
進刀方式 Stroke		自動 (空油壓式) Automatic (Pneumatic)	自動 (空油壓式) Automatic (Pneumatic)
主軸型式 Spindle Type	主軸斜 Inside Spindle	MT2	MT3
	鼻端斜 For Chuck	JT6	JT6
工作能力 Working Ability	中碳鋼 Steel (S45C)	3-12	3-12
主軸行程 Spindle Travel (mm)		93	133
馬達 Motor		1HP-4P	1HP-4P
主軸轉速 (段數) Spindle Speed RPM (Steps)	50HZ	480-2300 (4)	190-1850 (9)
	60HZ	550-2700 (4)	230-2380 (9)
重量 Weight (kg)		121	209
<ol style="list-style-type: none"> 實際工作能力與刀具銳利度、潤滑及冷卻有密切關係。 特殊材質、尺寸須配合特製轉速。 			
<ol style="list-style-type: none"> The practical working abilities are very related to sharpness on drill bit, good lubrication and suitable cooling. Customized spindle speed might be required for particular materials or drilling sizes. 			

★ 外觀尺寸請參考 P.22

Appearance Dimensions Please View Page 22.

自動鑽床 (油壓)

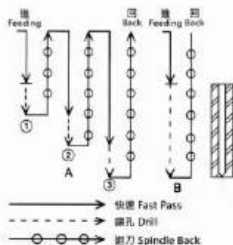
Automatic Drilling Machine (Hydraulic)



操作影片
Operating Video



► HD-POM750



型號 Model		HD-POM750
規格 Specifications		
進刀方式 Stroke		自動 (油壓式) Automatic (Hydraulic)
主軸型式 Spindle Type	主軸斜度 Inside Spindle	MT3
	鼻端斜度 For Chuck	JT6
工作能力 Working Ability	中碳鋼 Steel (S45C)	5-25
主軸行程 Spindle Travel (mm)		133
馬達 Motor		2HP-6P
主軸轉速 (段數) Spindle Speed RPM (Steps)	50HZ	160-1342 (9)
	60HZ	190-1610 (9)
重量 Weight (kg)		229 (含油壓動力單元 With Hydraulic Unit)
1. 實際工作能力與刀具銳利度、潤滑及冷卻有密切關係。 2. 特殊材質、尺寸須配合特製轉速。		
1. The practical working abilities are very related to sharpness on drill bit, good lubrication and suitable cooling. 2. Customized spindle speed might be required for particular materials or drilling sizes.		

★ 外觀尺寸請參考 P.22

Appearance Dimensions Please View Page 22.

手動攻牙鑽孔機

Manual Tapping & Drilling Machine



▶ HDT-340



▶ HDT-25



▶ HDT-32



		型號 Model	HDT-340	HDT-25	HDT-32
規格 Specifications					
進刀方式 Stroke			手動 Manual	手動 Manual	手動 Manual
主軸型式 Spindle Type	主軸斜度 Inside Spindle		MT2	MT3	MT3
	鼻端斜度 For Chuck		JT6	JT6	JT6
工作能力 Working Ability (Steel S45C)	鑽孔能力 Drill Capacity		3-16	5-25	15-32
	攻牙能力 Tapping Capacity		3-13	5-20	15-32
主軸行程 Spindle Travel (mm)			100	140	140
馬達 Motor			1HP-4P	2HP-6P	2HP-6P
主軸轉速 (段數) Spindle Speed RPM (Steps)	50HZ		250-960 (9)	160-1342 (9)	55-175 (4)
	60HZ		300-1150 (9)	190-1610 (9)	65-210 (4)
重量 Weight (kg)			101	204	221
1. 實際工作能力與刀具銳利度、潤滑及冷卻有密切關係。 2. 特殊材質、尺寸須配合特製轉速。					
1. The practical working abilities are very related to sharpness on drill bit, good lubrication and suitable cooling. 2. Customized spindle speed might be required for particular materials or drilling sizes.					

★ 外觀尺寸請參考 P.20 / 21

Appearance Dimensions Please View Page 20 / 21.

自動攻牙機 (齒輪式)

Automatic Tapping Machine (Gear Type)



牙距齒輪組
Pitch Gears



操作影片
Operating Video

- ▶ HT1-203
- ▶ HT2-223
- ▶ HT3-231



▶ HD-AT12



▶ HD-AT19



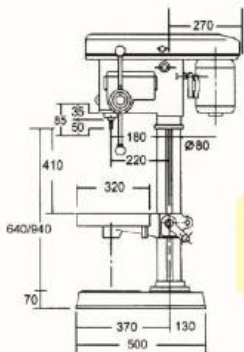
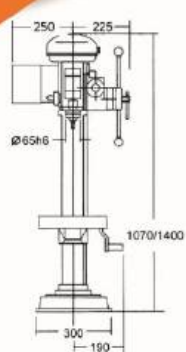
型號 Model		HD-AT12	HD-AT19	HT1-203	HT2-223	HT3-231
規格 Specifications						
進刀方式 Stroke		自動 Automatic				
主軸型式 Spindle Type	主軸斜度 Inside Spindle	MT2	MT3	X	MT2	MT3
	鼻端斜度 For Chuck	JT6	JT6	JT2	JT6	JT6
工作能力 Working Ability	中碳鋼 Steel (S45C)	3-13	5-20	2-8	5-16	10-32
主軸行程 Spindle Travel (mm)		93	133	45	65	65
馬達 Motor		1HP-4P	2HP-6P	1/2HP-4P	1HP-6P	2HP-6P
主軸轉速 (段數) Spindle Speed RPM (Steps)	50HZ	256-1278 (8)	166-829 (6)	420-1340 (3)	155-515 (3)	50-200 (3)
	60HZ	308-1534 (8)	200-995 (6)	500-1600 (3)	190-620 (3)	60-240 (3)
重量 Weight (kg)		112	234	97	200	250

1. 實際工作能力與刀具銳利度、潤滑及冷卻有密切關係。
2. 特殊材質、尺寸須配合特製轉速。
1. The practical working abilities are very related to sharpness on drill bit, good lubrication and suitable cooling.
2. Customized spindle speed might be required for particular materials or drilling sizes.

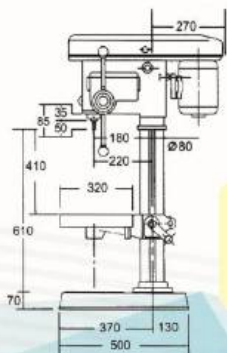
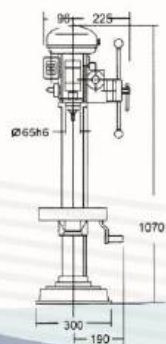
★ 外觀尺寸請參考 P.23 / 24 / 25
Appearance Dimensions Please View Page 23 / 24 / 25.

外觀尺寸

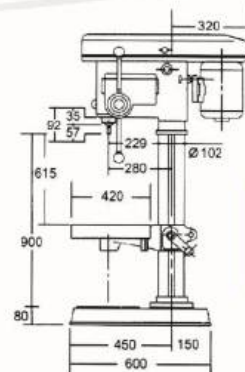
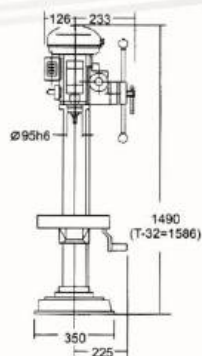
Appearance Dimensions



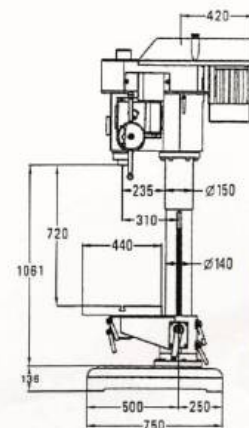
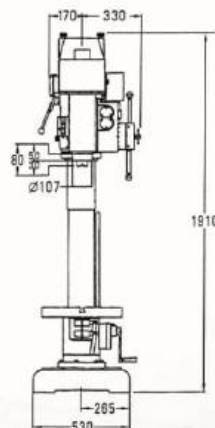
● HD-14I



● HD-120
● HD-14
● HD-340
● HDT-340



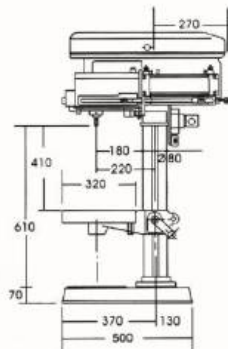
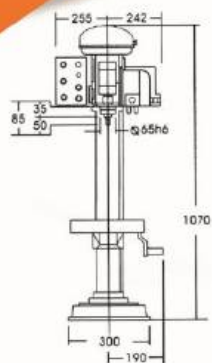
● HD-250
● HD-25
● HDT-25
● HDT-32



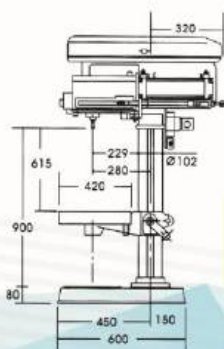
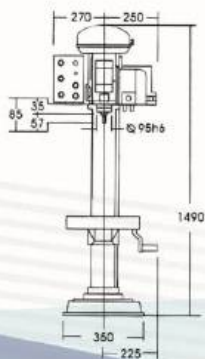
● HD-350

外觀尺寸

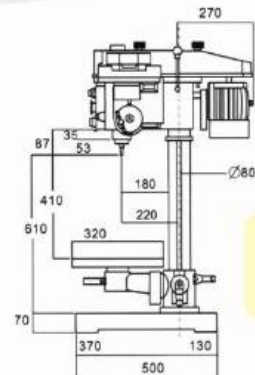
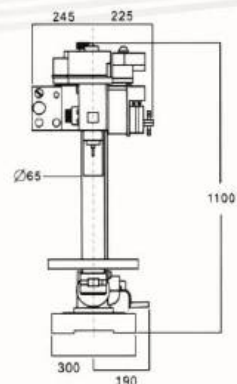
Appearance Dimensions



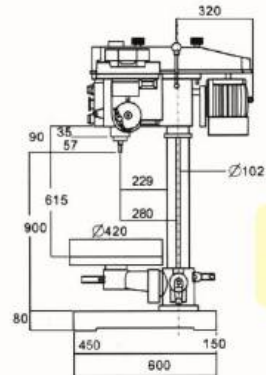
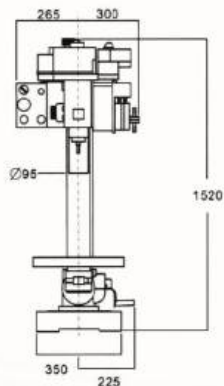
● HD-PAM520



● HD-PAM520L
● HD-POM750



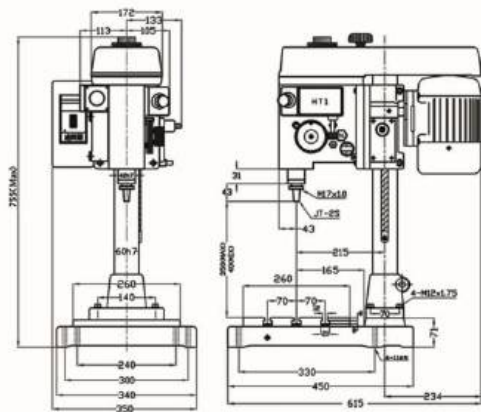
● HD-AT12



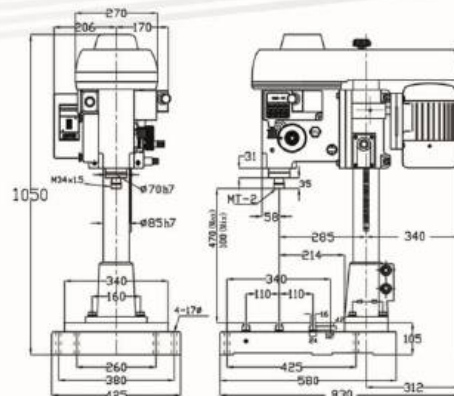
● HD-AT19

外觀尺寸

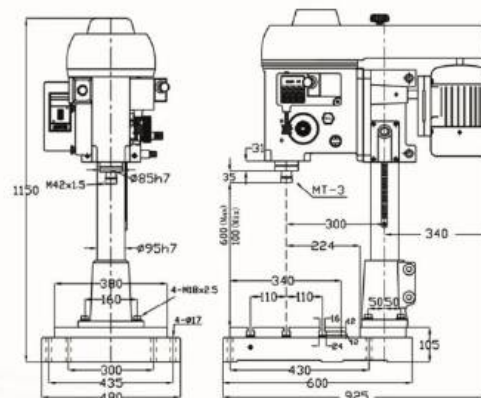
Appearance Dimensions



● HT1-203



● HT2-223



● HT3-231

常用配件 Accessories



▶ 安全斷電遮罩
Safety Shield



操作影片
Operating Video



▶ 空 / 油壓夾頭
Pneumatic / Hydraulic Chuck



▶ 鑽夾頭
Drill Chuck

▶ 快速夾頭
Keyless Chuck



▶ 攻牙夾頭
Tapping Chuck



▶ 鑽床虎鉗
Drill Vise



操作影片
Operating Video

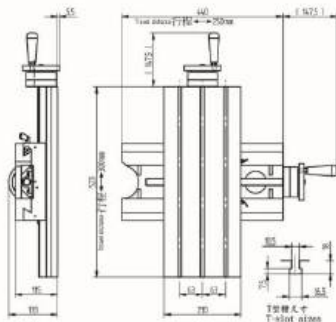


▶ 昇降工作台
Elevating Working Table

常用配件 (精密十字滑台)

Accessories

(Cross Slide Table)



- ▶ 整組滑台軌道，經由精密研磨
- ▶ 可搭配所有機型鑽孔機 / 攻牙機
- ▶ 螺桿背隙小
- ▶ 定位準確高負載
- ▶ 總高度低，適合搭配治具使用

▶ This is more accurate cross table and perfect for the machinist.

▶ Features:

- Fine graduations precision grinding
- The backlash is adjustable
- Locks for precise location
- Heavy load on the center

工作台尺寸 Table Size	520mm x 210mm
行程 Travel	X300mm Y250mm *
總高度 Overall Height	115mm (較它牌產品總高度減少 30%) (30% thinner than former type)
手輪刻度 Graduations	0.05
T型槽尺寸 T-Slot Size	8mm (5/16")
重量 Weight	50kg
表面直度 Straightness Of Surface	0.05
底面與工作台面平行度 Parallelism Between Surface And Bottom	± 0.03 / 100mm
可加裝光學尺 Optical scale (linear) is available.	
* 加裝於 1HP 機種，加裝光學尺，Y 軸行程將略為減少	
* Y axis may cut short when mounted on 1HP drill machine.	



★ 多軸鑽孔攻牙器 Multiple Spindle Head



Multiple Spindle Head Order Information



▶ 初步報價請提供：

- (1) 軸數
- (2) 鑽孔 / 攻牙直徑
- (3) 軸間距
- (4) 工作物材質



▶ Need Following Info To Offer Basic Quotation :

- (1) Number Of Spindles
- (2) Drill / Tap Diameter
- (3) Distance Between Spindles
- (4) Material Working Object Made Of

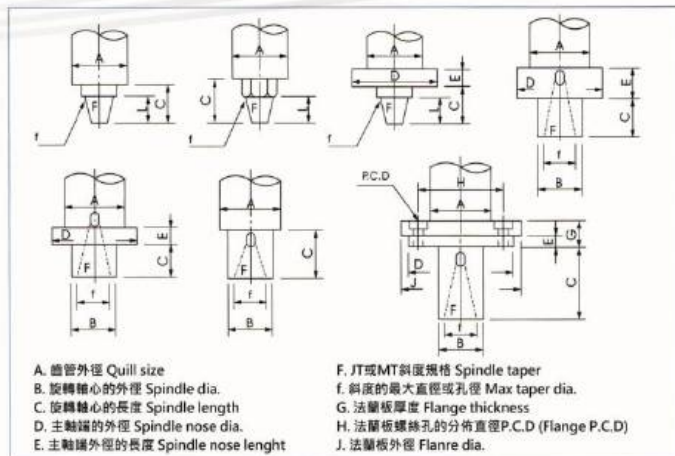


操作影片
Operating Video



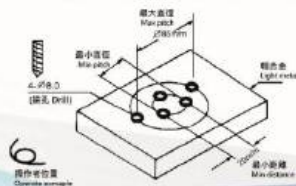
操作影片
Operating Video

▶ 組裝頭部規格 Type Of Spindle To Install



機台頭部尺寸 Machine Detail												
廠牌 Company Name	機型 Machine Type	A±0.01	B	C	D±0.01	E	F	f	G	H	J	L

機種選擇注意事項 Specification & Selection													
加工方式 Machining Way		加工材質及軸數 Material			螺絲攻大小 Drill Dia.		2 軸間距 Hold Pitch		機台使用方向 Machine Type			備註 Bush	
鑽孔 Drilling	攻牙 Tapping	銼孔 Boring	鑄 Steel	鑄鐵 Casting iron	鋁合金 Light metal	最大 Max dia.	最小 Min dia.	最大 Max pitch	最小 Min pitch	立式 Vertical	臥式 Horizont al		斜式 Low angle



導桿孔 Pitch Between Guiding Poles	定位孔 Positioning Holes	防水板 Water Proof Plate

多軸鑽孔攻牙器 T 型

Multiple Spindle Head

Type T



- ▶ T-70
- ▶ T-72
- ▶ T-90

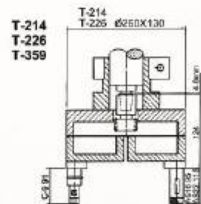
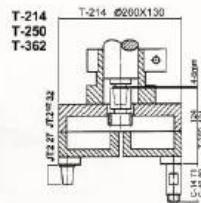
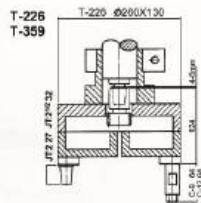
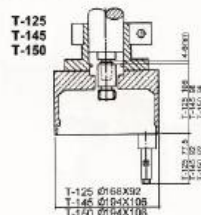
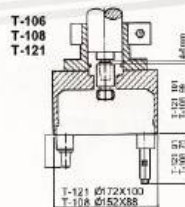
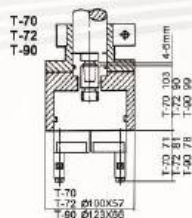


- ▶ T-106
- ▶ T-108
- ▶ T-121



- ▶ T-214
 - ▶ T-226
- (浮動型 Floating Model)

★ 專利字號 79022
Taiwan Patent No. 79022



型號 Type	T70	T72	T90	T106	T108	T121	T125	T145	T150	T214	T226	T250	T359	T362
規格 Dimension														
最大軸心距 Max. Spindle PCD (mm)	70	72	90	108	108	121	146	146	151	214	226	250	359	362
最小軸心距 Min. Spindle PCD (mm)	10	12.7	15	18	18	24	24	29	24	46	34	60	56	56
最大工作能力 Max. Working Capacity	鑽孔能力 Drill Capacity		攻牙能力 Tapping Capacity		與主軸轉速比 RPM Ratio To Main Spindle		軸承型式 Support Bearing Type		數量 Numbers Of Spindle		軸承型式 Support Bearing Type		數量 Numbers Of Spindle	
	3	4	5	6	6	8	8	10	8	12	10	16	10	12
	M3	M4	M5	M6	M6	M7	M7	M9	M7	M12	M10	M15	M10	M12
	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1
	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	C	C	C	B	C	C	B	B	B	B	B	B	B	B

★ 可換成ER夾頭或鑽夾頭 ER Collets And Drill Chuck Models Are Available

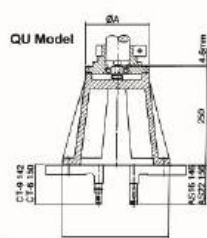
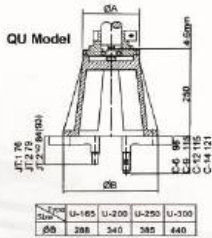
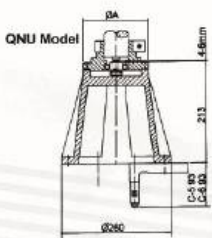
多軸鑽孔攻牙器 QU / QNU 型 Multiple Spindle Head Type QU / QNU



▶ QU / QNU Model



▶ QU / QNU Model



型號 Type		QNU165	QU165	QU200	QU250	QU300
規格 Dimensions						
最大軸心圓 (mm) Max. Spindle PCD		165	165	200	250	300
最小 2 軸心距 (mm) Min. Spindle Pitch By Every 2 Spindles		12.7	C6= 18.7 C9= 29	C6= 18.7 C9= 29	C6= 18.7 C9= 29	C6= 18.7 C9= 29
最大工作能力 Max. Working Capacity	鑽孔能力 (mm) Drill Capacity	4.5	C6= 6.0 C9= 8.0	C6= 6.0 C9= 8.0	C6= 6.0 C9= 8.0	C6= 6.0 C9= 8.0
	攻牙能力 Tapping Capacity	M4	C6= M6 C9= M10	C6= M6 C9= M10	C6= M6 C9= M10	C6= M6 C9= M10
與主軸轉速比 RPM Ratio To Main Spindle		1:1	1:1	1:1	1:1	1:1
軸數 Numbers Of Spindle		2-8	2-8	2-10	2-12	2-12

★ 可換成ER夾頭 ER Collets Models Are Available

多軸鑽孔攻牙器 NA / D 型

Multiple Spindle Head Type NA / D



▶ NA-100
▶ NA-124



▶ D-170



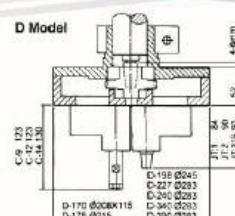
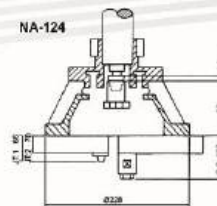
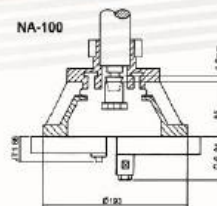
▶ D-192
▶ D-198
▶ D-240



▶ D-175
(3 軸 3-spindle)
▶ D-240
(3 軸 3-spindle)



▶ D-340
▶ D-390



規格 Dimensions	型號 Type	NA100	NA124
最大軸心圓 Max. Spindle PCD (mm)		100	125
最小軸心圓 Min. Spindle PCD (mm)		25 (4 軸 4-spindle)	38 (4 軸 4-spindle)
最小 2 軸心距 (mm) Min. Spindle Pitch By Every 2 Spindles		18.7	27
最大工作能力 Max. Working Capacity	鑽孔能力 (mm) Drill Capacity	6	8
	攻牙能力 Tapping Capacity	M6	M8
與主軸轉速比 RPM Ratio To Main Spindle		1:1 or 1:1.3	1:1 or 1:1.3
軸數 Numbers Of Spindle		2-4	2-4

規格 Dimensions	型號 Type	D170	D175	D192	D198	D227	D240	D340	D390
最大軸心圓 (mm) Max. Spindle PCD		170	170	177	198	227	240	342	390
最小軸心圓 (mm) Min. Spindle PCD		38	43	52	61	98	85	208	245
最小 2 軸心距 (mm) Min. Spindle Pitch By Every 2 Spindles		38	38	38	43	37	56	56	56
最大工作能力 Max. Working Capacity	鑽孔能力 (mm) Drill Capacity	13	13	6.5	10	6.5	13	13	13
	攻牙能力 Tapping Capacity	M10	M10	M8	M10	M8	M10	M10	M10
與主軸轉速比 RPM Ratio To Main Spindle		1:2.7	1:2.7	1:3	1:2.9	1:5.1	1:3.3	1:3.3	1:3.1
軸數 Numbers Of Spindle		2	3	4	4	6	4	4	4

★ 可換成ER夾頭或鑽夾頭 ER Collets And Drill Chuck Models Are Available

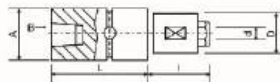
筒夾與特製心軸

Collets & Special Spindles



▶ 浮動單軸心軸








Floating Spindle For Tapping



規格 Dimensions	尺寸 Size	A	B	L	l	D	d
FCJ-5	Ø26	JT2, JT6		65	46	Ø12	Ø2~Ø5.5
FCJ-6	Ø26	JT2, JT6		65	50	Ø17	Ø2~Ø6
FCJ-9	Ø26	JT2, JT6		65	66	Ø19	Ø3~Ø8
FCJ-9	Ø34	JT6		72	37	Ø26	Ø3~Ø8
FCJ-9	Ø34	M17xP1.0+JT2		77	37	Ø26	Ø3~Ø8
FCJ-9	Ø34	M20xP1.0+JT6		78	37	Ø26	Ø3~Ø8
FCJ-12	Ø34	JT6		72	37	Ø26	Ø6~Ø11
FCJ-12	Ø34	M17xP1.0+JT2		77	37	Ø26	Ø6~Ø11
FCJ-12	Ø34	M20xP1.0+JT6		78	37	Ø26	Ø6~Ø11
FCJ-14	Ø34	JT6		72	68	Ø30	Ø8~Ø13
FCJ-14	Ø34	M17xP1.0+JT2		77	68	Ø30	Ø8~Ø13
FCJ-14	Ø34	M20xP1.0+JT6		78	68	Ø30	Ø8~Ø13
FCJ-16	Ø58	JT3		98	43	Ø44	Ø10~Ø16
FCJ-16	Ø58	JT4		110	43	Ø44	Ø10~Ø16
FCJ-20	Ø58	JT3		98	46	Ø44	Ø13~Ø18
FCJ-20	Ø58	JT4		110	47	Ø44	Ø13~Ø18
FCJ-30	Ø58	JT4		110	48	Ø58	Ø16~Ø28

★ 以上均可供單軸使用 Both Available For Single And Multiple Spindle

▶ 筒夾規格 Dimensions Of Collets

CT Type (攻牙用 For Tapping)	N1 NT1 	C-9 CT-9 	C-16 CT-16 
C Type (鑽孔用 For Drilling)	C-5 CT-5 	C-12 CT-12 	
CS Type (鑽孔用、內付牙) (For Drilling And Chamfering)	C-6 CT-6 	C-14 CT-14 	
(後攻牙深度調整) (Depth Setting Screw Inside Collets)			

註：銼刀、圓銼、鑽頭、銜角刀、高壓銼鑽頭、螺絲鑽等刀具使用時，請於訂購時說明。
Please notice us the type of cutting tool you are using (Ex: Reamer · Milling · Drilling · Tapping ...)

▶ 浮動心軸

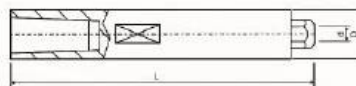
Floating Spindle For Tapping



規格 Dimensions	尺寸 Size	L	B	D	d
JC-9	Ø24	85	JT6	Ø24	Ø3~Ø8
JC-12	Ø24	85	JT6	Ø24	Ø6~Ø11
JC-14	Ø30	92	JT6	Ø30	Ø8~Ø13
JC-16	Ø42	115	JT3	Ø42	Ø10~Ø16
JC-20	Ø44	125	JT4	Ø44	Ø13~Ø18
JC-20	Ø58	131	JT4	Ø58	Ø16~Ø28
	Ø10				Ø1.1~Ø4

▶ 延長軸

Length Extending Spindle



★ 以上均可供單軸使用 Both Available For Single And Multiple Spindle

冷卻鐵筒架 Coolant

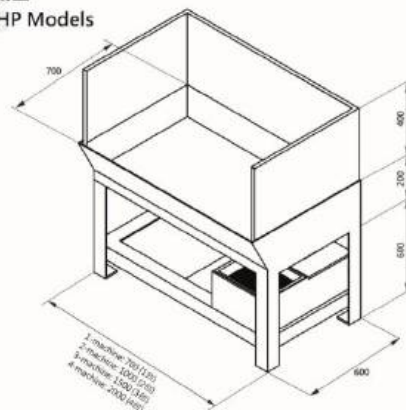


▶ 1HP 機型
For 1HP Models

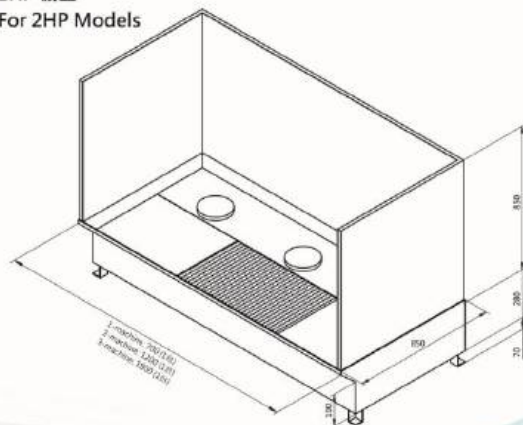


▶ 2HP 機型
For 2HP Models

▶ 1HP 機型
For 1HP Models



▶ 2HP 機型
For 2HP Models

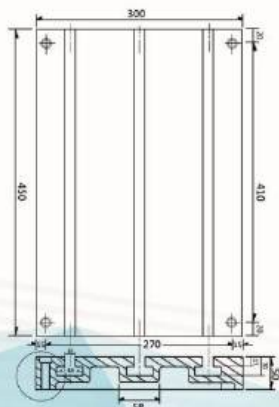
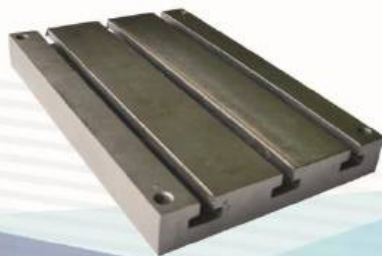


★ 接受客製化訂單 Customized Service Is Available

連立工作桌合冷卻 Working Table

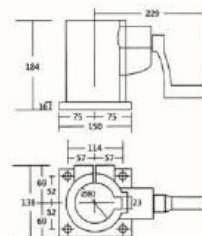
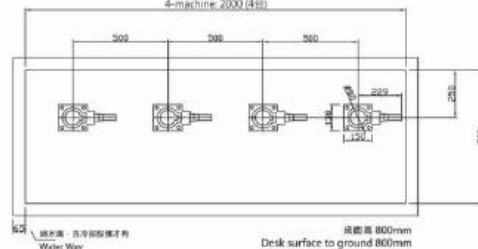


▶ 選配：T型槽治具板
Additional Attached: Fixture Plate



▶ 1HP 機型 For 1HP Models

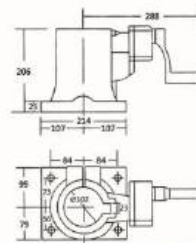
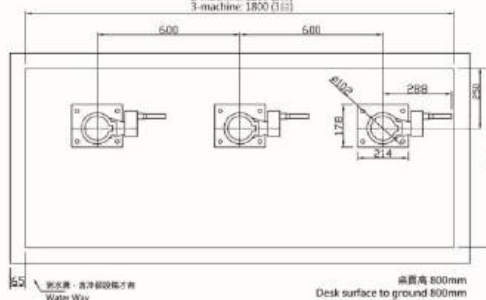
- 1-machine: 500 (1台)
- 2-machine: 1000 (2台)
- 3-machine: 1500 (3台)
- 4-machine: 2000 (4台)



▲ 建立中国 Table Base

▶ 2HP 機型 For 2HP Models

- 1-machine: 700 (1台)
- 2-machine: 1300 (2台)
- 3-machine: 1800 (3台)



▲ 建立中国 Table Base

★ 接受客製化訂單 Customized Service Is Available