

# GEAR-PITCH TYPE AUTO. TAPPING MACHINE

## 齒輪式牙距自動攻牙機

### JT-4504

攻牙機  
TAPPING MACHINE

攻牙行程  
TAPPING STROKE

最大攻牙  
MAX. CAPACITY

#### 特點/Feature

- 馬達內裝獨立降溫風扇強制散熱，可連續操作堅固耐用。
- 立柱加大(60mm)，採用實心立柱，經回火處理消除應力，外表鍍硬鉻，耐磨擦，不生銹。
- 馬達特殊設計，搭配自動控制迴路可針對細牙、盲孔、貫穿孔等需求來選擇功能。
- Installed an isolated cooling fan in the interior of motor to dissipate heat. Could be operated continuously, steadily and durably.
- The vertical column is enlarged (60mm), vertical column is solid and treated by tempering to get rid of stress, surface is chrome plated, wear resisting and no rust.
- Motor is particular design with automatic control loop, which can basic on client's demand to choose the function for tiny holes, blind holes, and through holes.



### JT-4508

攻牙機  
TAPPING MACHINE

攻牙行程  
TAPPING STROKE

最大攻牙  
MAX. CAPACITY

#### 特點/Feature

- 馬達內裝獨立降溫風扇強制散熱，可連續操作堅固耐用。
- 立柱加大(60mm)，採用實心立柱，經回火處理消除應力，外表鍍硬鉻，耐磨擦，不生銹。
- 可高速連續循環運轉，每分鐘50次。
- Installed an isolated cooling fan in the interior of motor to dissipate heat. Could be operated continuously, steadily and durably.
- The vertical column is enlarged (60mm), vertical column is solid and treated by tempering to get rid of stress, surface is chrome plated, wear resisting and no rust.
- High speed rotation continuously, 50 times/per Minute.



JT-4508A

#### 規格表/Specification

機種 Model	規格 Specification	主軸最大行程 Main spindle max. stroke (mm)	螺紋直徑 Diameter of thread (mm)	多軸最大能力 Max. capacity of Multi-spindle	主軸前端型式 Type of the front side of Main spindle (mm)	主軸端和台之距離 Distance between the main spindle and the table (mm)	工作台尺寸 Working table size (mm)	馬達 Motor	主軸迴轉數 Main spindle speed (R.P.M)		符合本機器使用之自動送給螺距 Auto feeding thread pitch for which suits machine		裝箱尺寸 Packing dimension (cm)	淨重 N.W / 毛重 G.W (kg)		
									50HZ	60HZ	每英寸的牙數 Range of TPI	mm				
JT-4504	直立型 Vertical type	45	ø4 以下 Less than	ø2x8軸 ø2.6x4軸 ø3x2軸 spindles	ER-11 JT-1 JT-2 Multit-Spindle Use	33 ~ 310	225 x 230	0.18KW 1/4HPx4P (3PH)	1830	2200	100, 80, 72	0.15, 0.175, 0.2, 0.225, 0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75	81x60x96	約 About 115 / 150		
JT-4508	直立型 Vertical type		ø2 ~ ø8 以下 Less than (ø10)	ø3x10軸 spindles ø4 x 5軸 spindles ø5 x 2軸 spindles	JT-2 / CT12 Tap Collet				1340	1600	80, 72, 64, 60, 56, 48, 44, 40, 36, 32, 28, 27, 26, 24, 20, 19, 18, (16)	0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1.0, 1.2, 1.25, (1.5) (1.75)			75x54x96	110 / 140
JT-4508A	橫型 Horizontal type		ø2 ~ ø8 以下 Less than (ø10)	ø3x10軸 spindles ø4 x 5軸 spindles ø5 x 2軸 spindles	JT-2 / CT12 Tap Collet				760	900	1/2HPx4P (3PH)	420				

### JT-6516

攻牙機 TAPPING MACHINE      攻牙行程 TAPPING STROKE      最大攻牙 MAX. CAPACITY

#### ■ 特點 / Feature

- 馬達框號加大且加裝獨立風扇，強制散熱，可連續操作，堅固耐用。
- 採用實心立柱，經回火處理消除應力，外表鍍硬鉻，耐磨擦，不生銹。
- Motor frame is enlarged and insedled with isolated cooling fan to dissipate heat forcibly which could prevent reducing horse-power due to high temperature. It can be operated continuously, It is firm and durable.
- Vertical column is solid and treated by tempering to get rid of stress, surface is chrome plated, wear resisting and no rust.



JT-6516A

### JT-6532

攻牙機 TAPPING MACHINE      攻牙行程 TAPPING STROKE      最大攻牙 MAX. CAPACITY

#### ■ 特點 / Feature

- 為提高扭力，降低轉速特別在主軸頭內部多設置一組減速齒輪組，以低轉速高扭力來創造完美牙紋及延長牙攻壽命。
- 採用實心立柱，經回火處理消除應力，外表鍍硬鉻、耐磨擦、不生銹。
- For raising the torsion and reducing the R.P.M. there has a special design which is a set of reducing gear installed in head of main spindle to make perfect threads and prolong the tap life.
- Vertical solid column is treated by tempering to avoid of stress, surface is chrome plated, wear resisting and no rust.



JT-6532A

#### ■ 規格表 / Specification

機種 Model	規格 Specification	主軸最大衝程 Main spindle max. stroke (mm)	螺牙直徑 Diameter of thread (mm)	多軸最大能力 Max. capacity of Multi-spindle	主軸前端型式 Type of the front side of Main spindle (mm)	主軸端和台之距離 Distance between the main spindle and the table (mm)	工作台尺寸 Working table size (mm)	馬達 Motor	主軸迴轉數 Main spindle speed (R.P.M)		符合本機器使用之自動送給螺距 Auto feeding thread pitch for which suits machine		裝箱尺寸 Packing dimension (cm)	淨重 N.W (kg)	毛重 G.W (kg)
									50HZ	60HZ	每英寸的牙數 Range of TPI	mm			
JT-6516	直立式 Vertical type	65	ø5 ~ ø16	ø6 x 9軸 spindles ø8 x 4軸 spindles ø12x2軸 spindles	MT-2# / ER-20 Collet	60 ~ 385	340 x 340	0.75KW 1HPx6P (3PH)	590	720	40,32, 28, 27,26, 24, 20,19, 18, 16,14, 13, 12,11, 10	(0.4, 0.45, 0.5, (0.6) 0.7, 0.75, 0.8, 0.9, 1.0, 1.25, 1.5, 1.75, 1.8, 2.0, 2.4, 2.5	99x62x117	220 /270	106 /133
JT-6516A	橫型 Horizontal type								400	480	260	300			
JT-6532	直立式 Vertical type	65	ø10 ~ ø32	ø10x10軸 spindles ø16 x 4軸 spindles ø20x2軸 spindles	MT-3# / Fixed Type Chuck	190 ~ 630	340 x 380	1.5KW 2HPx6P (3PH)	280	340	19, 18, 16, 14, 13, 12, 11, 10, 9, 8, 7	1.25, 1.5, 1.75, 1.8, 2.0, 2.4, 2.5, 3.0, 3.5	102x69x138	293 /350	140 /172
JT-6532A	橫型 Horizontal type								150	180	80	100			



SINCE 1986

# GEAR-PITCH TYPE AUTO. TAPPING MACHINE 齒輪式牙距自動攻牙機

## 盲孔專用 · 攻牙深度±0.1 (B系列)

### SPECIAL TAPPING FOR BLIND HOLE DEPTH ± 0.1 (B SERIES)

#### ■特點/Feature

- 可針對盲孔攻牙做有效深度控制±0.1mm。
- Special for tapping blind hole to control the accuracy of depth in ±0.1mm.

## 自動攻牙機附交換盤 (C系列)

### AUTO. TAPPING MACHINE WITH INTERCHANGING DISK (C SERIES)

#### ■特點/Feature

- 空壓夾座可快速更換筒夾免除校正中心，適用於中小量生產或試樣生產。
- 外側夾頭取放工件，內側夾頭攻牙加工，操作安全快速。
- 可搭配機械手做自動化生產。
- 長圓棒端面攻牙，方便取放。
- Pneumatic clamp set can easily change collet and don't need to centering adjustment suitable for small medium lot production or trial production.
- Operation safe and quick to loading and unloading in outside chuck, and doing tapping in inner chuck. Ideal to equip with robot for automatic production.
- Easy loading and unloading long bar work-piece to tap the end face.

## 自動攻牙機附分度盤 (D系列)

### AUTO. TAPPING MACHINE WITH INDEXING DISK (D SERIES)

#### ■特點/Feature

- 無法自動送料的工件可選用此機型。
- 中小量生產可適用。
- 可搭配多軸器使用。
- Ideal for special workpiece which can't use with auto-feeding system.
- Suitable for small and medium lot production.
- Ideal to equip with multi-spindle head.



#### ■搭配機種

AVAILABLE FOR:

- 空壓 Pneumatic:  
JT-4508D
- 油壓 Hydraulic:  
JT-6516D



#### ■搭配機種

AVAILABLE FOR:

- 空壓：單軸或雙軸同時攻牙  
Pneumatic: single spindle or double spindle  
JT-4508C
- 油壓：單軸或雙軸同時攻牙  
Hydraulic: single spindle or double spindle  
JT-6516C



### 剛性攻牙用夾頭(標準附件) FOR RIGID TAPPING CHUCK (STANDARD ACCESSORIES)



JT-4508:JT-2/CT-12



JT-6516:MT-2/ER-20



JT-6332:MT-3/ 側固式  
Fixed type



### 斜式全自動送料攻牙機 (E系列)

### SLANTING TYPE AUTO. FEEDING TAPPING MACHINE (GEAR-PITCH TYPE) E-SERIES

#### ■ 特點

- 有屑攻牙及無屑攻牙都適用。
- 穿孔牙、盲孔牙都適用。
- 全自動送料攻牙，可一人操做多台。
- 牙距式自動攻牙，成品精度高。
- 攻牙深度準確，適合盲孔加工。
- 有進刀，扭力，徑向及夾持之安全裝置，確保絲攻壽命及安全。
- 可程式控制。
- 規格更換容易。
- 半成品不良自動檢出或異常自動停止。
- 可選擇2軸同時攻牙，產能加倍，提高效率。
- 可選擇加裝變頻器，或改用伺服馬達來控制主軸速度。

#### ■ Feature

- No matter dose the threads have chips or not which are all suitable this machine.
- Available for through hole and blind hole.
- It's a mechanical movement, the machine is fully automatc. one user can operate several machines in the same time.
- Gear-pitch type auto. tapping will get finished product with precise & accurate threading.
- The tapping depth very prouise & for blind hole tapping is very suitable.
- It equipped with a safe device to monitor the feeding, torque, radial & clamping. It ensures to prolong taps life & safty.
- It governed by PLC control.
- It is easy and quick to change the different tools.
- Auto. checking of defective products and auto. stop if abnormal.
- Can option two spindle processing simultaneous to make production double and enhance efficiency.
- It can option to install converter or use servo motor to control the spindle speed.



**JT-6516E(2S)**

#### ■ 搭配機種

AVAILABLE FOR:

- 空壓 Pneumatic: **JT-4508E**
- 油壓 Hydraulic: **JT-6516E (JT-6532E)**

#### ■ 加工實景

PROCESSING FIELD



#### ■ 加工範例

PROCESSING EXAMPLE



#### ■ 規格表 / Specification

機型 Model E-Series	JT-4508E	JT-4508E(2S)	JT-6516E	JT-6516E(2S)
攻牙最大及最小螺紋直徑 Max. & Min. Thread's Diameter of Tapping	ø2~ø6(8)	ø2~ø5	ø5~ø16	ø3~ø8(10)
攻牙最小及最大長度 Max. & Min. Length of Tapping	1~40	1~40	2~50	2~50
最大及最小對邊或圓徑 Max. & Min. Across Corner or Diameter	4~15	4~15	6~30	6~25
主軸馬達 Main Motor (HP)	0.5HPx4P	1HPx4P	1HPx6P	1.5HPx6P
冷卻油馬達 Cooling Oil Pump	1/8HP	1/8HP	1/4HP	1/4HP
冷卻油箱容量 Cooling Oil Tank's Capacity ( Liter )	30L	30L	30L	30L
夾持工件動力 Clamp Working-Pieces'Power	空壓 Pneumatic	油壓 Hydraulic	油壓 Hydraulic	油壓 Hydraulic
軸數 Spindle	單軸 Single	2軸 2-Spindle	單軸 Single	2軸 2-Spindle
淨重 Net Weight ( kgs )	600kgs	700kgs	900kgs	1000kgs
長x寬x高 Length x Width x Height ( cm )	150x138x192	163x135x189	181x169x193	175x153x210



### 臥式全自動送料攻牙機 (F系列)

### HORIZONTAL TYPE AUTO. FEEDING TAPPING MACHINE (GEAR-PITCH TYPE) F-SERIES

#### ■ 特點

- 有屑攻牙及無屑攻牙都適用。
- 穿孔牙、盲孔牙都適用。
- 全自動送料攻牙，可一人操做多台。
- 牙距式自動攻牙，成品精度高。
- 攻牙深度準確，適合盲孔加工。
- 有進刀，扭力，徑向及夾持之安全裝置，確保攻牙壽命及安全。
- 可程式控制。
- 規格更換容易。
- 可針對不易直立送料或長型等特殊工件非常適用。
- 半成品不良自動檢出或異常自動停止。
- 可選擇加裝變頻器，或改用伺服馬達來控制主軸速度。

#### ■ Feature

- No matter dose the threads have chips or not which are all suitable this machine.
- Available for through hole and blind hole.
- It's a mechanical movement, the machine is fully automatc. one user can operate several machines in the same time.
- Gear-pitch type auto. tapping will get finished product with precise & accurate threading.
- The tapping depth very prouise & for blind hole tapping is very suitable.
- It equipped with a safe device to monitor the feeding, torque, radial & clamping. It ensures to prolong taps life & safty.
- It governed by PLC control.
- It is easy and quick to change the different tools.
- Auto. checking of defective products and auto. stop if abnormal.
- Can option two spindle processing simultaneous to make production double and enhance efficiency.
- It can option to install converter or use servo motor to control the spindle speed.



#### ■ 搭配機種

AVAILABLE FOR:

- 空壓 Pneumatic: JT-4508F
- 油壓 Hydraulic: JT-6516F (JT-6532F)

#### ■ 加工實景

PROCESSING FIELD



#### ■ 加工範例

PROCESSING EXAMPLE



#### ■ 規格表 / Specification

機型 Model F-Series	JT-4508F	JT-6516F	JT-6516F(2S)
攻牙最大及最小螺紋直徑 Max. & Min. Thread's Diameter of Tapping	ø2~ø6(8)	ø5~ø16	ø3~ø8(10)
攻牙最小及最大長度 Max. & Min. Length of Tapping	4~120	6~120	6~120
最大及最小對邊或圓徑 Max. & Min. Across Corner or Diameter	4~15	6~30	6~25
主軸馬達 Main Motor (HP)	0.5HPx4P	1HPx6P	1.5HPx6P
冷卻油馬達 Cooling Oil Pump	1/8HP	1/4HP	1/4HP
冷卻油箱容量 Cooling Oil Tank's Capacity ( Liter )	30L	30L	30L
夾持工件動力 Clamp Working-Pieces'Power	空壓Pneumatic	油壓Hydraulic	油壓Hydraulic
淨重 Net Weight ( kgs )	950kgs	1200kgs	1350kgs
長x寬x高 Length x Width x Height (cm)	190x138x208	190x138x208	190x138x208



# AUTO. FEEDING DRILLING MACHINE

## 全自動送料鑽孔機

SINCE 1986

**JD-8510E**斜式自動送料鑽孔機  
SLANTING TYPE AUTO.  
FEEDING DRILLING MACHINE



**JR-15015F**橫式自動送料鑽(鉸)孔機  
HORIZONTAL TYPE AUTO.  
FEEDING DRILLIG / REAMING MACHINE.



**JD-13016E** (雙軸) 斜式自動送料鑽孔機  
SLANTING TYPE AUTO. FEEDING  
DRILLING MACHINE (2-SPINDLE)



加工範例  
PROCESSING EXAMPLE



**自動送料倒角、攻牙專用機**  
**AUTO. FEEDING CHAMFER AND TAPPING**  
**SPECIAL PURPOSE MACHINE**



**自動送料鎖螺絲專用機**  
**AUTO. FEEDING SCREW ASSEMBLY**  
**SPECIAL PURPOSE MACHINE**



**自動送料鑽孔、攻牙專用機**  
**AUTO. FEEDING DRILLIN AND TAPPING**  
**SPECIAL PURPOSE MACHINE**



**自動送料鑽孔、攻牙、鎖螺絲專用機**  
**AUTO. FEEDING DRILLING / TAPPING / SCREW**  
**ASSEMBLY SPECIAL PURPOSE MACHINE**



### ■ 珈鉉鑽孔機特點：

- 利用空壓或油壓從主軸中心推動主軸，出力平均不會造成動力損失及機構磨損。
- 主軸進刀與轉動，分開各別調整，針對不同需求加工可隨意調整。
- 可選購"自動斷屑"及"自動退屑"等功能，可提高品質減少刀具磨損。
- 可配合各種多軸器使用來增加產能，提高效率，減少漏工的情形。
- 可提供代客設計、製造治具 / 夾具及導孔板等服務。

### ■ JAR HON Drilling Machine Feature

- Use pneumatic or hydraulic push main spindle from center, average the pressure to make there have no power loss or mechanism wear.
- Main spindle feeding and rotating can be individually adjusted and processing for different requirement.
- It can option the function of "Auto. breaking chips" and "Auto. discharging chips" to enhance quality and reduce tool wear.
- Can be equip with variety of multi-spindle to increase productivity, improve efficiency and reduce errors.
- Can offer OEM services, including, fixture, and guiding hole plate etc.

## JD-6005

鑽孔機  
DRILLING MACHINE

鑽孔行程  
DRILLING STROKE

最大鑽孔  
MAX. CAPACITY

專利  
Patented

### ■ 特點 / Feature

- 專利型機械式鑽孔"自動退屑"裝置—特殊功能選購。
- 主軸轉速最高可達一萬轉，針對深孔、細孔、不銹鋼等，加裝"自動退屑"裝置極為理想，可提高刀具壽命及孔徑之精度。
- Patented mechanical drilling with "Auto. discharging chips" device-**optional** special function.
- Main spindle rotating speed can be 10,000 R.P.M. for processing deep hole, tiny hole and stainless steel, use with "Auto. discharging chips" device is very suitable and ideal.
- The auto discharging chips function can prolong drills life and enhance the accuracy.



### ■ 規格表 / Specification

機種 Model	規格 Specification	主軸最大行程 Main spindle max. stroke (mm)	切削行程 Drilling stroke (mm)	鑽孔能力 Drilling hole capacity (mm)	主軸前端形狀，選一種 The shape of the front surface of main spindle, option one (mm)	主軸端和台之距離 Distance between the main spindle and the table (mm)	工作台尺寸 Working table size (mm)	馬達 Motor	主軸迴轉數 Main spindle speed (R.P.M)		鑽孔動力 Drilling power (kg/cm <sup>2</sup> )	裝箱尺寸 Packing dimension (cm)	淨重 N.W / 毛重 G.W (kg)
									50HZ	60HZ			
JD-6005		60	標準Standard 25	ø0.5 ~ ø5	ER-16 JT-1	60 ~ 315	225 x 230	1HP 2P/4P (0.75kw)	1500 3000 4500 3000 6000 9000	1800 3600 5400 3600 7200 10800	空壓 Pneumatic 5	108(L) x 72(W) x 167(H)	約 About 175 / 225



專利  
Patented

### JD-8510

鑽孔機 DRILLING MACHINE  
鑽孔行程 DRILLING STROKE  
最大鑽孔 MAX. CAPACITY  
軟材 SOFT METAL

#### 特點 / Feature

- 專利型機械式鑽孔"自動退屑"裝置—特殊功能選購。
- 針對深孔、細孔、不銹鋼等加裝自動退屑裝置極為理想。
- 可提高刀具壽命及孔徑之精度。
- 可加裝多軸鑽孔器，提昇生產效率。
- Patented mechanical drilling with "Auto. discharging chips" device-**optional** special function.  
It's ideal for processing deep hole, tiny hole, stainless steel with the "Auto. discharging chips" device.  
It can prolong drilling tool life and make the precise bore.
- Ideal to equip with multi-spindle drilling head to enhance production efficiency.



JD-8510A

### JD-8510H

鑽孔機 DRILLING MACHINE  
鑽孔行程 DRILLING STROKE  
最大鑽孔 MAX. CAPACITY  
油壓 HYDRAULIC

#### 特點 / Feature

- 專利型油壓系統"自動退屑;自動斷屑"裝置，—特殊功能選購。
- 可加裝多軸鑽孔器，提昇生產效率。
- 適用於鉸孔，鑽深孔極為理想。
- Patented hydraulic system "Auto. discharging chips", "Auto. breaking chips" device-**optional** special functy.
- Ideal to equip with multi-spindle drilling head to enhance production efficiency.
- It's suitable for reaming, and it's very ideal for more suitable for deep hole drilling.



#### 規格表 / Specification

機種 Model	規格 Specification	主軸最大衝程 Main spindle max. stroke (mm)	切削行程 Drilling stroke (mm)	鑽孔能力 Drilling hole capacity (mm)	主軸前端形狀，選一種 The shape of the front surface of main spindle, option one (mm)	主軸端和台之距離 Distance between the main spindle and the table (mm)	工作台尺寸 Working table size (mm)	馬達 Motor	主軸迴轉數 Main spindle speed (R.P.M)		鑽孔動力 Drilling power (kg/cm <sup>2</sup> )	裝箱尺寸 Packing dimension (cm)	淨重 N.W / 毛重 G.W (kg)
									50HZ	60HZ			
JD-8510	85	標準Standard 25 加長Extension 50	80	ø1 ∩ ø10	ER-20 JT-6 配多軸器 With multi-spindle	120 ∩ 445	340 x 340	2HP 2P/4P (1.5kw)	696	835	空壓 Pneumatic 5	102x82x129	218 / 278
JD-8510H									999	1198			

# JD-13016

鑽孔機  
DRILLING MACHINE

鑽孔行程  
DRILLING STROKE

最大鑽孔  
MAX. CAPACITY  
軟材 SOFT METAL

### ■ 特點 / Feature

- 空壓轉換油壓進刀，適用輕切削用。
- 可用於鉸孔及鑽孔、倒錐坑等加工項目。
- 加裝小型多軸鑽孔器，提昇生產效率。
- 主軸鑽孔深度公差±0.02mm。
- Pneumatic transform to hydraulic feeding, which is suitable for light cutting.
- Available for reaming, drilling, and countersink etc.
- Ideal to equip with small-type multi-spindle drilling head to enhance production efficiency.
- The tolerance of main spindle drilling deep depth is ±0.02mm.



# JD-13016H

鑽孔機  
DRILLING MACHINE

鑽孔行程  
DRILLING STROKE

最大鑽孔  
MAX. CAPACITY  
油壓  
HYDRAULIC



### ■ 特點 / Feature

- 油壓直接推動主軸更穩定有力。
- 專利型油壓系統"自動退屑;自動斷屑"裝置，一特殊功能選購。
- 可加裝中型多軸鑽孔器，提昇生產效率。
- 適用於鉸孔，鑽孔等硬材加工。
- The main spindle using hydraulic is more stable and stronger.
- Patented hydraulic system "Auto. discharging chips", "Auto. breaking chips" device-**optional** special function.
- Ideal to equip with medium-type multi-spindle drilling head to enhance production efficiency.
- Suitable for reaming and drilling in hard material.



### ■ 規格表 / Specification

規格 Specification 機種 Model	主軸最大衝程 Main spindle max. stroke (mm)	切削行程 Drilling stroke (mm)	鑽孔能力 Drilling hole capacity (mm)	主軸前端形狀，選一種 The shape of the front surface of main spindle, option one (mm)	主軸端和台之距離 Distance between the main spindle and the table (mm)	工作台尺寸 Working table size (mm)	馬達 Motor	主軸迴轉數 Main spindle speed (R.P.M)		鑽孔動力 Drilling power (kg/cm <sup>2</sup> )	裝箱尺寸 Packing dimension (cm)	淨重 N.W / 毛重 G.W (kg)
								50HZ	60HZ			
JD-13016	130	100	ø2~ø13	ER-32	200	340	3HP 4P/8P (2.25kw)	337	405	空壓 Pneumatic 5	120x66x138	280 / 340
JD-13016H			ø2~ø16	配多軸器 With multi-spindle	610	380		495	594			
								675	810			
								682	820			
								990	1188			
								1365	1638			



# HYDRAULIC AUTO. DRILLING MACHINE

## 油壓自動鑽孔機

SINCE 1986

# JD-15035H

鑽孔機  
DRILLING MACHINE

鑽孔行程  
DRILLING STROKE

最大鑽孔  
MAX. CAPACITY

油壓  
HYDRAULIC

### ■ 特點 / Feature

- 針對強力鑽孔特別設計的機種，可選配自動退屑、中心出水等功能。
- 喉深及台面上下動距尺寸大，適合大型工件、大型模具。
- 可加裝大型、重力型多軸鑽孔器，提昇生產效率。
- 加大方箱立柱，強化結構可承受重加工，機頭不後仰（不抬頭）。
- Special design for powerful drilling, can option other functions like: auto. discharging chips, center coolant etc.
- Long throat depth and have big range of moveable distance is very suitable to large-size work piece, and large-size molds.
- Ideal to equip with large-size, powerful multi-spindle drilling head to enhance production efficiency.
- Enlarge the column and strengthen structure wich can bear heavy processing, and the head of machine won't topple over.



### ■ 規格表 / Specification

規格 Specification 機種 Model	主軸最大衝程 Main spindle max. stroke (mm)	切削行程 Drilling stroke (mm)	鑽孔能力 Drilling hole capacity (mm)	主軸前端形狀，選一種 The shape of the front surface of main spindle, option one (mm)	主軸端和台之距離 Distance between the main spindle and the table (mm)	工作台尺寸 Working table size (mm)	馬達 Motor	主軸迴轉數 Main spindle speed (R.P.M)		鑽孔動力 Drilling power (kg/cm <sup>2</sup> )	裝箱尺寸 Packing dimension (cm)	淨重 N.W / 毛重 G.W (kg)
								50HZ	60HZ			
JD-15035H	150	120	ø35	ER-40 MT-4# 配多軸器 With multi-spindle	420 ∩ 720	400 x 500	5HP 4P (3.75kw)	指定一段速度 最高轉速1500R.P.M. (可搭配變頻器) Appoint one section of speed The max 1500 R.P.M. (Can be equipped with converter)	油壓 Hydraulic 25	166(L) x 84(W) x 246(H)	約 About 1007 / 1100	

### JD-15035H 加裝多軸器範例 THE EXAMPLE OF INSTALL MULTI-SPINDLE HEAD



### JD-13016H 加裝多軸器範例 THE EXAMPLE OF INSTALL MULTI-SPINDLE HEAD



### JDT-1616 鑽孔移位攻牙複合機

#### DRILLING & TAPPING COMPOUND MACHINE



### JDT-3532 配合多軸器及治具

#### WITH MULTI-SPINDLE AND FIXTURE



#### 特點/Feature

- 採用本公司鑽孔、攻牙主軸頭搭配油壓滑座只須按一次啓動即可完成鑽孔移位攻牙等動作，以提高效率與品質；並可加裝多軸器，提高效能。
- 移位滑座採用油壓式，可自動快速移位；並設有緩衝裝置，可精確定位，降低噪音及振動。
- 切削液循環系統，附加防濺板金，可確保工件品質，並降低刀具磨耗。
- Using our drilling and tapping head equip with hydraulic table seat only need to press start bottom which can complete all the actions of drilling, shifting and tapping, enhance efficiency and quality; also can install aware multi-spindle to enhance the production.
- The slide table used is hydraulic type which can shift quickly and automatically. Equip with buffer device can loctiting precising and lower the noise and vibration.
- Using cycle system of cutting liquid with anti-splash plate can ensure workpiece quality and reduce tool wear.

#### 規格表/Specification

規格Specification		Model No. 型號	JDT-1008	JDT-1616	JDT-3532
主軸能力 Main spindle capacity	鑽孔 Drilling		ø1~ø10m/m(空壓、推送Pneumatic, push-feeding)	ø2~ø16m/m(油壓、推送Hydraulic, push-feeding)	ø30m/m(油壓、推送Hydraulic, push-feeding)
	攻牙 Tapping		ø2~ø8m/m	ø5~ø16m/m	ø10~ø32m/m
主軸行程 Main spindle stroke	鑽孔 Drilling		85m/m	130m/m	150m/m
	攻牙 Tapping		45m/m	65m/m	65m/m
主軸迴轉速 Main spindle speed RPM	鑽孔 Drilling		835, 1200, 1700, 2400, 3400	405, 594, 810, 1188, 1683	965, 1400
	攻牙 Tapping		1600, 900, 500	720, 480, 300	240, 160, 60
主軸前端形式 Main spindle front surface type	鑽孔 Drilling		JT-6	JT-6	MT-4#
	攻牙 Tapping		JT-2	MT-2#	MT-3#
主軸到工作台面最大距離 Maximum distance between main spindle and working table surface			490m/m	560m/m	560m/m
主軸到立柱距離 Distance between main spindle and vertical column			165m/m	220m/m	235m/m
馬達 Motor	鑽孔 Drilling		2HPx2P-4P	3HPx4Px8P	5HPx4P
	攻牙 Tapping		1/2 HPx4P	1HPx6P	2HPx6P
	油壓 Hydraulic		(氣壓、推送Pneumatic, push-feeding)	1HPx4P	1HPx4P
工作台面尺寸 Working table size			160x540m/m	220x810m/m	220x810m/m
動距 Distance motion	前後Front/back		120m/m	200m/m	200m/m
	左右Right/left		240m/m	250m/m	280m/m
	上下Up/down		400m/m	400m/m	400m/m
兩軸中心距離 Central distance between two spindles			240m/m	250m/m	280m/m
機械淨重 Net weight	(kg)		500kg	1150kg	1250kg
裝箱尺寸 Packing dimension	(cm)		100(L) x 80(W) x 200(H)	120(L) x 150(W) x 230(H)	120(L) x 150(W) x 230(H)

攻牙機配合機械手自動送料  
TAPPING MACHINE WITH  
ROBOT AUTO. FEEDING.



立式搪孔機配多軸器  
VERTICAL BORING MACHINE  
WIYH MULTI-SPINDLE HEAD.



六工位配合多軸鑽孔移位攻牙專用機  
MULTIPLE STATION WITH  
MULTI-SPINDLE PROCESSING MACHINE.



三工位攻牙專用機  
TRIPLE STATION SPECIAL  
PURPOSE MACHINE FOR TAPPING.



雙工位鑽孔專用機  
DOUBLE STATION SPECIAL  
PURPOSE MACHINE FOR DRILLING.



四工位攻牙配合多軸器  
MULTIPLE STATION TAPPING  
WITH MULTI-SPINDLE HEAD.



立式多軌自動送料攻牙機  
VERTICAL MULTI-TRACK  
AUTO. FEEDING  
TAPPING MACHINE



自動送料攻牙機加全罩式鈹金  
AUTO. FEEDING TAPPING MACHINE  
WITH COVER.



雙工位鑽孔專用機加全罩式鈹金  
DOUBLE STATION SPECIAL PURPOSE  
MACHINE FOR DRILLING WITH COVER.



### 工作台含切削液循環系統 WORKING TABLE WITH CYCLE SYSTEM OF CUTTING LIQUID

#### ■ 特點 / Feature

- 前開式掀門，便於加水、清除鐵屑及維修。
- 內藏式水箱節省空間，外觀整齊。
- Forward-open door can easily add water, clean chips, and maintenance.
- Concealed tank can save space and have good appearance.



### 加高座 HEIGHTENED SEAT

- 加裝多軸器或治具，而高度不夠時，可加裝加高座，各機種均有標準規格。
- Where the height is not sufficient which caused by installing multi-spindle or fixture can install this heightened seat. There have standard specification for all the models.

#### ■ 特點 / Feature

- 可避免立柱加長時機械搖晃。
- It can avoid the machine swaying after the vertical column heightened.

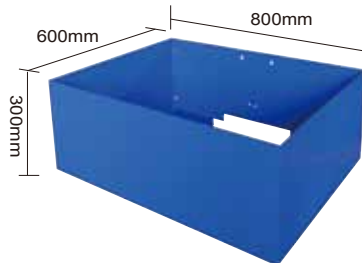
適用於 Available for:  
JT-6516  
JT-6532  
JD-8510  
JD-13016



### 防水鋁金罩 ANTI-SPLASH PLATE

#### ■ 特點 / Feature

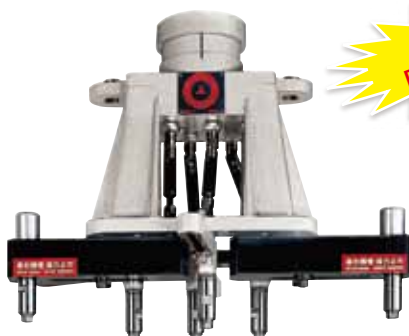
- 配合工作台使用，避免切削油噴濺。
- 特殊尺寸可訂製。
- Used with working table to avoid cutting liquid splashing.
- Special sizes can be ordered.



### 延伸軸 EXTENSION SPINDLE

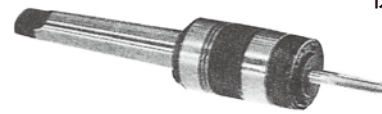
#### ■ 特點 / Feature

- 突破傳統受限於活動框內調整的限制，以小型U型多軸器也能在大面積工件上加工，適合攻牙用。
- To break the traditional limit of adjustment in moving frame, it makes small U-type multi-spindle head can process by workpiece, and suitable for tapping.



專利 Patented

### 快速拆換攻牙器 (TH) QUICK CHANGE TAPPING CHUCK



TH1 (M3~M14)  
TH2 (M6~M24)  
TH3 (M16~M40)

### 軸向伸縮攻牙器 (THL) QUICK CHANGE LENGTH COMPENSATION TAPPING CHUCK



THL-140-20 (M3~M14)  
THL-240-20 (M6~M24)  
THL-340-20 (M16~M40)

### 徑向浮動攻牙器 (THP) QUICK CHANGE RADIAL PARALLEL FLOAT TAPPING CHUCK



THP-1 (M3~M14)  
THP-2 (M6~M24)  
THP-3 (M16~M40)

### 伸縮浮動攻牙器 (THLP) QUICK CHANGE RADIAL PARALLEL FLOAT LENGTH COMPENSATION TAPPING CHUCK



THLP-140-20 (M3~M14)  
THLP-240-20 (M6~M24)  
THLP-340-20 (M16~M40)

### 無扭力絲攻筒夾 (TC) QUICK CHANGE ADAPTER

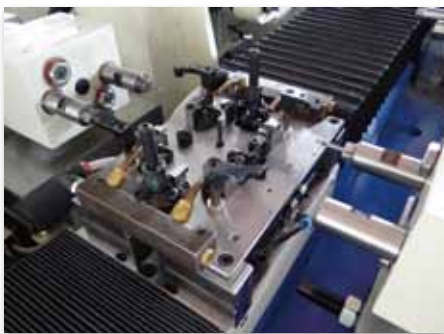
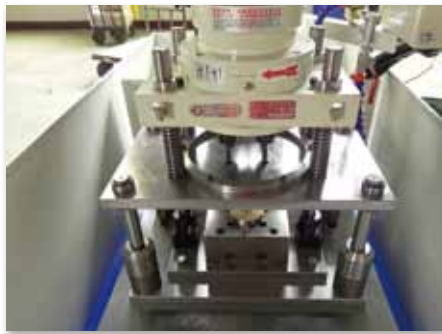
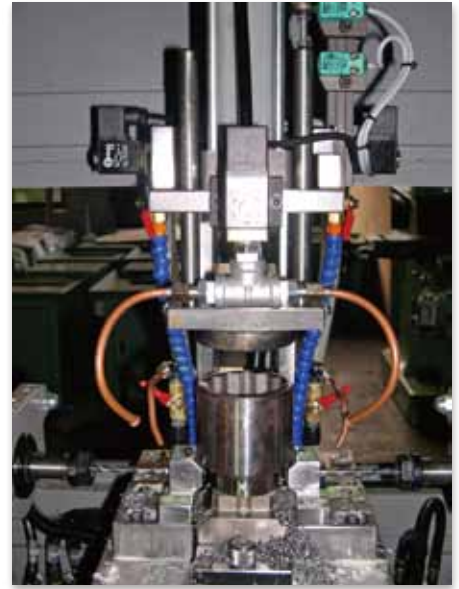
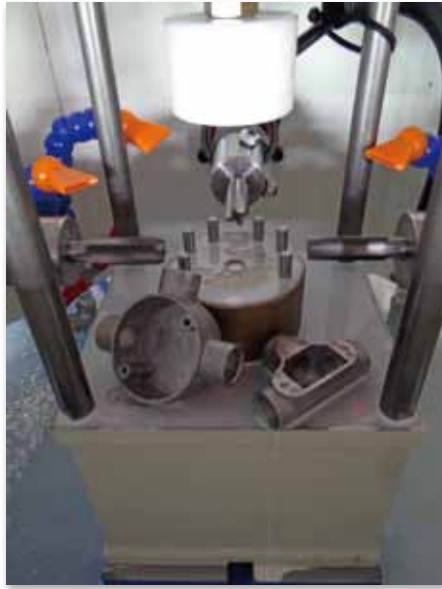


TC1 (M3~M14)  
TC2 (M6~M24)  
TC3 (M16~M40)

### 扭力絲攻筒夾 (TCS) QUICK CHANGE ADJUSTABLE SAFETY CLUTCH ADAPTER



TCS-1B (M3~M14)  
TCS-2B (M6~M24)  
TCS-3B (M16~M40)



### UR型圓形多軸器 UNIVERSAL-ROUND TYPE MULTI-SPINDLE HEAD

#### ■ 特點/Feature

- UR型多軸器是利用齒輪配合萬向接頭所組成，調整距離非常方便不受齒輪所限制，可節省很多調整的時間，亦沒有死角的限制，操作快而方便，是可調式中最暢銷的規格。為保萬向接頭之壽命，移動範圍不得超過15°等於垂直之前後左右30mm以內。(盡量配合工作孔距設計)
- UR type multi-spindle is using the gear matching the universal joint so regulate the distance very convenient, it doesn't restricted by the gear that will save a lot of adjusting time, also it doesn't have limitation of the dead angle, operation is running rapidly and convenience, it's top of the most popular products of the adjustable items, the universal joint must not move over 15° to keep its life time, it equals within radius of 30mm of the vertical position.

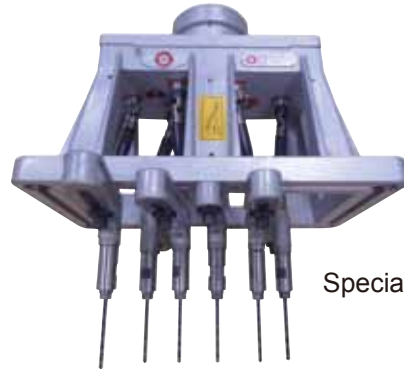


UR-100  
UR-120  
UR-165  
UR-200  
UR-250  
UR-300

### US型方形多軸器 UNIVERSAL-SQUARE TYPE MULTI-SPINDLE HEAD

#### ■ 特點/Feature

- 孔距如屬直線或長方型，請用方型萬向多軸器，以免移位腳延伸太長致使受力不夠。用法與圓型相同。(盡量配合工作孔距設計)
- Hole arrange is straight line or oblong, please use square type to do the job, that will avoid the shift leg extending long distance make the pressure hot enough, its usage is os same as the round type universal spindles. (it'll try to design baric on workpiece's hole distance).
- 適用少量多樣的生產使用，可以任意調整使用。
- 可搭配快拆式萬向接頭及伸縮式軸腳使多軸器應用更加廣範。
- 特殊規格可來電或E-mail詢問訂製
- Suitable for the variety of small lot production, Can adjust easily.
- It can equip with rapid disconnecting type universal joint or the flexible shaft's feet to make the multiple use range widely.
- Please e-mail or call us to consult with a special size of the requirement.



US-100x165  
US-120x200  
US-120x300  
US-170x300  
US-170x490  
US-220x380  
US-270x330  
US-270x480  
US-510x610

Special: US-120x1400  
US-130x650  
US-160x450  
US-170x430  
US-200x250  
US-200x1800  
US-500x900  
US-700x800

#### ■ 規格表/Specification

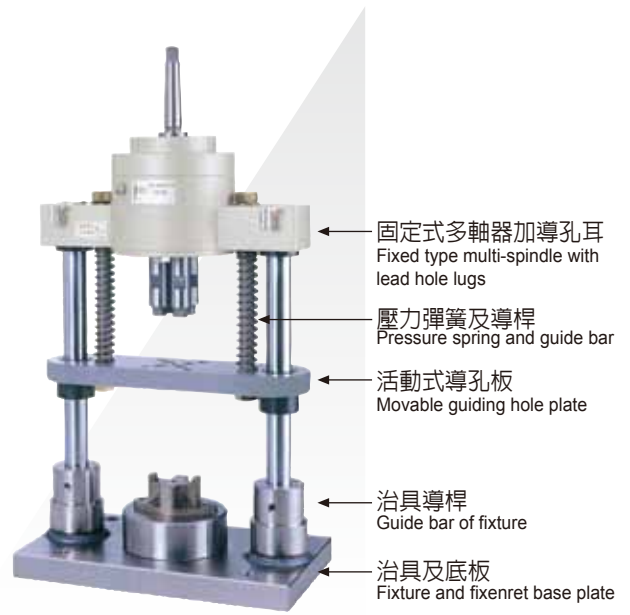
型式 Model	筒夾規格 Collet	最大鑽孔能力 Maximum Drilling Capacity		最小距離(二軸間) Lowest Distance		最大軸心範圍(最大直徑) Max. Range of Centers	軸數 Spindle
UR-100	C-5 C-9	5.0	8.0	13	29	ø120	2-8
UR-120	C-6	6.0		20			
UR-165	C-5 C-9	5.0	8.0	13	29	ø165	3-10
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	29		
UR-200	C-5 C-9	5.0	8.0	13	30	ø200	4-12
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	30		
UR-250	C-5 C-9	5.0	8.0	13	30	ø250	4-16
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	30		
UR-300	C-5 C-9	5.0	8.0	13	30	ø300	4-16
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	30		
US100x165	C-5 C-9	5.0	8.0	13	29	100x165	3-10
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	29		
US120x200	C-5 C-9	5.0	8.0	13	29	120x200	4-12
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	29		
US120x300	C-5 C-9	5.0	8.0	13	29	120x300	6-14
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	29		
US170x300	C-5 C-9	5.0	8.0	13	30	170x300	6-16
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	30		
US170x490	C-5 C-9	5.0	8.0	13	30	170x490	6-16
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	30		
US220x380	C-5 C-9	5.0	8.0	13	30	220x380	10-16
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	30		
US270x330	C-5 C-9	5.0	8.0	13	30	270x330	10-16
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	30		
US270x480	C-5 C-9	5.0	8.0	13	30	270x480	10-24
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	30		
US510x610	C-5 C-9	5.0	8.0	13	30	510x610	26-40
	C-6 C-12	6.0	11(強力型Heavy duty type)	20	30		



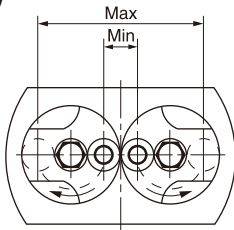
### 固定型多軸器加導孔板及治具 FIXED TYPE MULTI-SPINDLE HEAD WITH GUIDING HOLE PLATE AND FIXTURE

#### ■特點/Feature

- 適用大量生產使用，沒有軸心移位的問題。
- 固定型多軸器加導孔板準確耐用，在更換工作時，有很多空間取付方便，不會受到治具與模具之妨礙。所加工出來的產品更準確，多軸器更耐用。是使用多軸鑽孔最標準的用法。
- Suitable for mass production. No axial center shift problem.
- Can be more accurate and durable using guiding hole plate fixed-type multi-spindle; When doing exchange, it has more space to replace and won't affect by jig or mold. It's the best standard usage of using multi-spindle head on drilling, to make processing part more accurate and multi-spindle head more durable.



### 二軸活動式鑽孔/攻牙器 2-SPINDLE DRILLING / TAPPING HEAD (ADJUSTABLE)

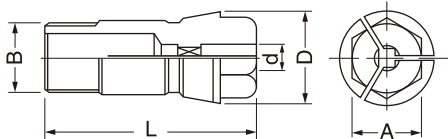


#### ■規格表/Specification

型式 Model	間距 Spacing			重量 Weight
	最小 Min	最大 Max	最大鑽孔能力 Max Capacity	KG
2C-T5	13.5	73.5	ø5	3.6
2C-T7	18	90	ø7	4.5
2C-T8	25	151	ø6	8.7
2C-T10	22	106	ø10	5.5
2C-T12	26	126	ø12	7.3
2C-T16	36	164	ø14	10.7
T-074	12	74	ø4	4

### 攻牙用筒夾 TAPPING COLLET

註：/d係為攻牙柄部直徑  
Remark:/d Diameter of taper's shank



型式 Model	柄徑mm ød	øD mm	L mm	B	A mm	最大夾持能力 Max. clamping capacity
DT-4	ø3~ø4	ø8.2	24	1/4-28UNF	6	M3.5 x 0.6
CT-5	ø3~ø5	ø10.8	31.5	5/16-24UNF	8	M4 x 0.7
CT-6	ø3~ø6	ø13.1	36	3/8-24UNF	10	M6 x 1.0
CT-9	ø3~ø7	ø17	46	1/2-20UNF	14	M8 x 1.25
CT-12	ø3~ø9	ø21	50	5/8-18UNF	17	M12 x 1.75
CT-14	ø3~ø12	ø24.5	54	3/4-16UNF	21	M14 x 2.0
CT-16	ø3~ø14	ø31	70	M24-2.0	26	M18 x 2.5

鑽孔用筒夾 DRILLING COLLET	型式 Model	夾頭尺寸 Chuck Size	使用型號 Applicable Model	ER彈性筒夾 ER COLLET	型式 Model	夾頭尺寸 Chuck Size	使用型號 Applicable Model
		C-5	1mm~5mm		2C/T5 T-074	ER 8	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5mm
	C-6	2mm~6mm	2C/T7	ER 11	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm	2C/T7	
	C-9	2.5mm~9mm	2C/T8 2C/T10	ER 16	1, 2, 3, 4, 5, 6, 7, 8, 9, 10mm	2C/T8 2C/T10	
	C-12	3mm~12mm	2C/T12	ER 20	4, 5, 6, 7, 8, 9, 10, 11, 12, 13mm	2C/T12	
	C-14	5mm~14mm	2C/T16	ER 25	6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16mm	2C/T16	