



# FONG HO

CE ISO-9001  
MACHINERY INDUSTRY CO., LTD.

## 自動型金屬圓鋸切斷機



**FHC-485NC**

### *Hydraulic Automatic Type Metal Sawing Machine*

# 自動氣壓型金屬圓鋸切斷機

## Air Automatic Type Circular Cold Saw

### FHC-280A

#### Air Automatic Type

##### Functions:

- HSS sawblade  $\varnothing 250 - \varnothing 275\text{mm}$  Standard  $\varnothing 250\text{mm}$
- Pneumatically automatic type
- Automatic bar feeding, clamping and cutting off

##### 自動氣壓型

##### 本機特性：

- 使用HSS鋸片， $\varnothing 250 - \varnothing 275\text{mm}$ ，標準 $\varnothing 250\text{mm}$ 。
- 氣壓自動型。
- 送料，夾料，切斷自動循環動作。



### FHC-300A

#### Air Automatic Type

##### Functions:

- HSS sawblade  $\varnothing 250 - \varnothing 325\text{mm}$  Standard  $\varnothing 300\text{mm}$
- Pneumatically automatic type
- Automatic bar feeding, clamping and cutting off

##### 自動氣壓型

##### 本機特性：

- 使用HSS鋸片， $\varnothing 250 - \varnothing 325\text{mm}$ ，標準 $\varnothing 300\text{mm}$ 。
- 氣壓自動型。
- 送料，夾料，切斷自動循環動作。



- Pneumatically driven sawhead and vise
- 氣壓切削頭部及夾鉗。

### FHC-350A

#### Air Automatic Type

##### Functions:

- HSS sawblade  $\varnothing 250 - \varnothing 350\text{mm}$  Standard  $\varnothing 350\text{mm}$
- Pneumatically automatic type
- Automatic bar feeding, clamping and cutting off

##### 自動氣壓型

##### 本機特性：

- 使用HSS鋸片， $\varnothing 250 - \varnothing 350\text{mm}$ ，標準 $\varnothing 350\text{mm}$ 。
- 氣壓自動型。
- 送料，夾料，切斷自動循環動作。



- Pneumatically feeding floating vise
- 氣壓送料浮動式夾鉗。

# 自動油壓型金屬圓鋸切斷機

## Automatic Hydraulic Type Metal Sawing Machine



### FHC-315AV

#### Automatic Hydraulic Type

##### Functions:

- HSS sawblade  $\varnothing 250 - \varnothing 400\text{mm}$  Standard  $\varnothing 300\text{mm}$  Hydraulic automatic type
- Workpiece feeding, clamping, and cutting off are automatic and continuously performed

##### 自動油壓型

##### 本機特性：

- 使用HSS鋸片， $\varnothing 250 - \varnothing 400\text{mm}$  - 標準 $\varnothing 300\text{mm}$  -
- 油壓自動型 -
- 送料，夾料，切斷自動循環動作 -



- Floating Feed Device
- 浮動式送料裝置 -



### FHC-315CNC

#### Functions:

- Human/machine interface control provides user friendly operations. (Servomotor-driven in feed)
- Easy to operate. Extremely powerful functions makes it ideal for small lot flexible cutting requirements.
- Touch sensing screen. Numerically controlled, provides high cutting accuracy.

##### 本機特性：

- 本機採人機介面控制，操控簡單 - (伺服馬達驅動送料) -
- 易學易懂，功能超強，適合少量多樣切割 -
- 觸控式螢幕，搭配數值控制，鋸切精準 -



- Multiple "V" Clamps
- V型夾鉗多支式 -



- CNC operational panel
- 人型機CNC操作面板 -



### FHC-315CNC

#### Controlled by FANUC CNC

##### Functions:

- Servo motor feed drive ensures fast and accurate positioning
- Extremely high feed accuracy up to 0.01mm
- Powerful function of CNC provides user-friendly operations.
- Fullenclosed splash guard(optional)

##### 採用發那科(FANUC)CNC控制器

##### 本機特性：

- 採用伺服馬達驅動，送料快速，定位精準 -
- 送料精度高達0.01mm -
- CNC控制器功能強勁，操控簡易 -
- 全罩式護蓋 (特別指定) -



- Servo motor feed drive
- Feed accuracy up to 0.01mm.
- Adjustable floating vise.
- 送料採用伺服馬達驅動 -
- 送料精度可達0.01mm -
- 可調式浮動夾鉗 -



- CNC operational panel
- 富士通(FANUC)CNC操作面板 -

# CNC金屬圓鋸切斷機

## CNC Circular Cold Saw



### FHC-425AV

#### Automatic Hydraulic Type

##### Functions:

- HSS sawblade  $\varnothing 250 - \varnothing 425\text{mm}$   
Standard  $\varnothing 350\text{mm}$
- Hydraulic automatic type
- Automatic bar feeding, clamping and cutting off
- Sawblade gap compensation device (hydraulic type)

#### 自動油壓型

##### 本機特性：

- 使用HSS鋸片· $\varnothing 250 - \varnothing 425\text{mm}$ ·  
標準 $\varnothing 350\text{mm}$ ·
- 油壓自動型·
- 送料·夾料·切斷自動循環動作·
- 刀具間隙補償裝置(油壓式)·



#### FHC-425AV

- Floating feed device
- 浮動式送料裝置·



#### FHC-475AV, FHC-485AV

- Adjustable floating vise and length numeral display unit.
- 可調式浮動夾鉗及長度數字顯示裝置·



### FHC-475AV

#### Automatic Hydraulic Type

##### Functions:

- Human/machine interface control and touch sensing screen provide user friendly operations.
- HSS sawblade  $\varnothing 250 - \varnothing 425\text{mm}$ , standard  $\varnothing 350\text{mm}$ .
- Easy to operate. Extremely powerful functions.
- Length numeral monitor.
- Sawblade gap compensation device (hydraulic type)

#### 自動油壓型

##### 本機特性：

- 本機採人機介面控制·觸控螢幕·操控簡單·
- 使用鋸片 $\varnothing 250 - \varnothing 425\text{mm}$ ·標準 $\varnothing 350\text{mm}$ ·
- 易學易懂·功能超強·
- 長度數字顯示·
- 刀具間隙補償裝置(油壓式)·



- Multiple "V" clamps
- V型夾鉗多支式·



#### FHC-475AV, FHC-485AV

- Touch controls the silver screen operation leading board
- 觸控式螢幕操作面板·



### FHC-485NC

#### Functions:

- Human/machine interface control provides user friendly operations. (Servomotor-driven in feed)
- Easy to operate. Extremely powerful functions makes it ideal for small lot flexible cutting requirements.
- Touch sensing screen. Numerically controlled, provides high cutting accuracy.
- Sawblade gap compensation device (hydraulic type)

#### 本機特性：

- 本機採人機介面控制·操控簡單·(伺服馬達驅動送料)·
- 易學易懂·功能超強·適合少量多樣鋸切·
- 觸控式螢幕·搭配數值控制·鋸切精準·
- 刀具間隙補償裝置(油壓式)·



#### FHC-485NC

- Servo motor feed drive
- Feed accuracy up to 0.01mm
- Adjustable floating vise.
- 送料採伺服馬達驅動·
- 送料精度可達0.01mm·
- 可調式浮動夾鉗·



#### FHC-485NC

- NC touch controls the silver screen operation leading board
- NC觸控式螢幕操作面板·

## 規格 Specifications

MODEL	型式	FHC-280A	FHC-300A	FHC-350A
Main Drive Motor	鋸片驅動馬達	H Type 3.0HP/1.5HP (24Pole 雙極) 50/60 HZ L Type 1.5HP/1.0HP (48Pole 雙極) 50/60 HZ	3.0HP/1.5HP 24P (雙極) 50/60 HZ	4HP/3HP 24 Pole
Blade Speeds	鋸片轉速	H Type 50HZ 100/50 RPM (標準) SOT H Type 60HZ 120/60 RPM (標準) SOT L Type 50HZ 50/25 RPM (特別) OPT L Type 60HZ 60/30 RPM (特別) OPT	H Type 50HZ 58/29 RPM (標準) SOT H Type 60HZ 70/35 RPM (標準) SOT L Type 50HZ 86/43 RPM (特別) OPT L Type 60HZ 105/52 RPM (特別) OPT	
Head Swivel	頭部迴轉角度	90°	90°	90°
Clamping Vise	夾鉗型式	Double (雙邊)	Double (雙邊)	Double (雙邊)
Coolant Pump Motor	冷卻泵馬達	40W	40W	40W
Max. Clamping Capacity	虎鉗最大夾持	—	—	—
Saw Blade Size 鋸片尺寸	Diameter 外徑 mm	HSS Ø250-Ø275(10"-11") Standard (標準) Ø250	HSS Ø250-Ø325(10"-13") Standard (標準) Ø300	HSS Ø250-Ø350(10"-14") Standard (標準) Ø350
	Bore 孔徑 mm	Ø32		
	Pin Holes 銷孔 mm	2 x Ø11 x PCD63		
Bar Feeding Length 送料長度	Single Stroke 單行程 mm	5 - 700 (27")		
	Double Stroke 雙行程 mm	5 - 1400 (54")		
	Three Stroke 參行程 mm	5 - 2100 (81")		
Bar feeding Servo Motor	送料伺服馬達	—		
Hydraulic Pump Motor	液壓泵馬達	—		
Air Pressure(Consumption)	使用空壓壓力	6 kg/cm <sup>2</sup> (120 l/min)	6 kg/cm <sup>2</sup> (120 l/min)	6 kg/cm <sup>2</sup> (120 l/min)
Machine Dimensions(L x W x H)	機械尺寸 mm	2200 x 1200 x 1600	2200 x 1200 x 1600	2200 x 1200 x 1600
Packing Dimensions(L x W x H)	包裝尺寸 mm	2100 x 1050 x 1850	2100 x 1050 x 1850	2100 x 1050 x 1850
	inch	83" x 42" x 73"	83" x 42" x 73"	83" x 42" x 73"
Net Weight	淨重	850 kgs (1870 LBS)	850 kgs (1870 LBS)	900 kgs (1980 LBS)
Gross Weight	毛重	1000 kgs (2200 LBS)	1000 kgs (2200 LBS)	1050 kgs (2310 LBS)

The manufacturer always performs product improvements to achieve the best possible performance. All specifications, dimensions and design characteristics shown in this catalogue are subject to change without notice. (Product specifications are based on the actual machines.)

## 鋸切能力 Cutting Capacity

MODEL	FHC-280A	FHC-300A	FHC-350A	FHC-315AV	FHC-315CNC	FHC-425AV/458AV/475AV/485NC
Head Swivel	90°	90°	90°	90°	90°	90°
■ mm	—	40 x 40	50 x 50	50 x 50	50 x 50	65 x 65
● mm	—	50	60	60	60	76
○ mm	75	90	110	120	120	125
└ mm	75 x 75	90 x 90	100 x 100	115 x 115	115 x 115	125 x 125
□ mm	75 x 75	90 x 90	100 x 100	110 x 110	110 x 110	125 x 125
▭ mm	75 x 75	90 x 90	100 x 100	110 x 110	110 x 110	125 x 125
▩ mm	75 x 70	110 x 50	110 x 50	110 x 50	110 x 50	130 x 80

## 鋸切節距 Recommended Pitch Of Saw Blade

SOLID BAR	PITCH	PIPE	PITCH
實心棒材	節距	管類	節距
Ø10 - Ø15	4 - 6	Thin Pipe 薄管	3 - 6
Ø15 - Ø20	6 - 8	Medium Pipe 中薄管	6 - 8
Ø20 - Ø30	8 - 10	Thick Wall pipe 厚管	8 - 12
Ø30 - Ø50	10 - 12	Choose correct pitch of saw blade for perfect cutting 請使用正確節距之鋸片，確保鋸切效果。	
Ø50 - Ø70	12 - 14		
Ø70 - Ø80	14 - 16		

FHC-315AV		FHC-315CNC		MODEL		型式		FHC-425AV	FHC-475AV	FHC-485AV	FHC-485NC
(變極) 50/60 HZ or 3HP/2 HP (4/8 Pole 變極) 50/60 HZ				Main Drive Motor		鋸片驅動馬達		A: 5HP / 3HP 24 pole雙極(Std.標準) Low 50HZ / 60HZ 7035 rpm High 50HZ / 60HZ 12060 rpm		5HP 2pole 極 A (Opt. 特別) 4pole 極 B (Std. 標準)	
L Type 50HZ 44/22 RPM L Type 60HZ 52/26 RPM (特別)OPT				Blade Speeds		鋸片轉速		B: 3HP 6 pole 極 (opt.選購) 50HZ 3520 rpm 60HZ 4223 rpm		A: H 40RPM-140RPM A: H 70RPM-240RPM (Opt. 特別)	
M Type 50HZ 58/29 RPM M Type 60HZ 70/35 RPM (標準)SOT				A: 4 sections B: 2 sections		A: 4段 RPM B: 2段 RPM				L 20RPM-70RPM B: H 35RPM-120RPM (Std. 標準)	
H Type 50HZ 86/43 RPM H Type 60HZ 105/52 RPM (特別)OPT				Frequency Inverter		變頻器		—		Skw / 7.5 HP	
—				Head Swivel		頭部迴轉角度		L45° 90° R30°			
Single (單邊)				90°		Single (單邊)					
1/8HP (或) 1/2HP				1/8HP (或) 1/2HP		1/8HP (或) 1/2HP					
150				150		150					
HSS Ø250-Ø400(10"-16") Standard (標準) Ø350				HSS Ø250-Ø400(10"-16") Standard (標準) Ø350		HSS Ø250-Ø400(10"-16") Standard (標準) Ø350					
Ø32				Ø32		Ø32					
2 x Ø11 x PCD Ø63				2 x Ø11 x PCD Ø63		2 x Ø11 x PCD Ø63					
5-650 (26")				0-700 (Servomotor)		5-650 (26")					
5-1300 (51")				Complete Cutting Cycle)		5-1300 (51")					
5-1950 (77")				伺服馬達連續循環動作		5-1950 (77")					
—				1 Kw		—					
3HP (4P)				3HP (4P)		3HP (4P)					
20 - 30 kg/cm <sup>2</sup>				20 - 30 kg/cm <sup>2</sup>		20 - 30 kg/cm <sup>2</sup>					
2200 x 1400 x 2000				2200 x 1400 x 2200		2200 x 1400 x 2000					
2280 x 1600 x 2200				2280 x 1600 x 2250		2280 x 1600 x 2200					
90" x 63" x 87"				90" x 63" x 89"		90" x 63" x 87"					
1400 kgs (3080 LBS)				1400 kgs (3080 LBS)		1400 kgs (3080 LBS)					
1600 kgs (3520 LBS)				1600 kgs (3520 LBS)		1600 kgs (3520 LBS)					
Saw Blade Size		鋸片尺寸		Diameter 外径 mm		HSS Ø250-Ø425(10"-17") Standard (標準) Ø350					
Bore 孔徑 mm		Pin Holes 鑽孔 mm		Single Stroke 單行程 mm		Double Stroke 雙行程 mm		Three Stroke 叁行程 mm			
Bar Feeding Length 送料長度		Length 長度顯示 mm		Bar feeding Length 送料馬達		Servo Motor Feeding 送料伺服馬達		Hydraulic Pump Motor 液壓泵馬達 mm		Operation Pressure 工作壓力 mm	
Machine Dimensions(L x W x H) 機械尺寸 inch		Packing Dimensions(L x W x H) 包裝尺寸		Net Weight 淨重		Gross Weight 毛重					

本公司隨時在進行研究改進的工作，因此保有隨時更改設計、規格尺寸及機械機構之權利，產品規格依實物為準，其解釋權歸屬本公司，若有任何變更，恕不另行通知。

### ■ STANDARD EQUIPMENT:

Motor, electrical control system, complete cooling system, pneumatic system or hydraulic system, service tools.

### ■ 標準附件：

馬達、電器控制系統、冷卻系統、油壓系統、調整工具。

### ■ OPTIONAL EQUIPMENT: (Optional)

Saw blade, Movable safety guard, Cutting fluid.

1000 mm Pneumatic-type 1000 mm  
Infeed Length 1200 mm Hydraulic-type 1500 mm  
1500 mm Servomotor-driven 1000 mm

### ■ 特別附件：(選購品)

鋸片，安全護蓋，切削液。

送料長度 1000 mm 氣壓型最長1000 mm  
1200 mm 油壓型最長1500 mm  
1500 mm 伺服馬達送料最長1000 mm



**FONG HO** MACHINERY INDUSTRY CO., LTD.

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