



HIGH PRECISION HYDRAULIC SHEAR MACHINE SERIES

高精密油壓剪床系列



TD0400H5



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CNC / NC折床 · 電機伺服折床 · 剪床 · 沖床 · 成型機 · 各式板金自動化設備
CNC / NC Hydraulic Press Brake, Servo Press Brake, Shear, Press, Forming Machines, Total Automation Solutions

公司沿革 (Milestone)

- 1984 公司創立，生產傳統油壓折床
- 1984, Yeh Chiun was established, and hydraulic press brake production began
- 1987 開發並於翌年正式生產 NC 油壓折床
- 1987, NC hydraulic press brake was developed, and production began
- 1989 開發並於翌年正式生產 CNC 油壓折床
- 1989, CNC hydraulic press brake was developed, and production began
- 1993 生產 CNC 四軸油壓折床
- 1993, Started CNC 4 axes hydraulic press brake production
- 1994 生產 NC 油壓剪床
- 1994, Started NC hydraulic shear production
- 1994 聯盟合作生產 NC、CNC 冷軋板輓輪成型機
- 1994, Formed alliance for NC/ CNC metal cold roll forming machine production
- 1996 生產 CNC 五至十一軸高精度油壓折床
- 1996, CNC hydraulic press brake was upgraded to 5-11 axes, and production began
- 1998 折床正式通過 CE 認證
- 1998, Hydraulic press brake product qualified for CE standard
- 1999 通過 ISO-9002 認證
- 1999, Qualified for ISO-9002
- 2002 通過 ISO-9001 認證
- 2002, Qualified for ISO-9001
- 2004 於中國設立曄俊(昆山)機械工業股份有限公司
- 2004, Founded a plant in Kun Shan, China
- 2004 生產 CNC 電機伺服折床
- 2004, Started CNC servo press brake
- 2005 生產自動化油壓剪床生產線
- 2005, Started automatic hydraulic shearing line production
- 2005 擴大產能，增設曄俊二廠
- 2005, Founded Yeh Chiun plant II
- 2011 全系列產品通過 CE 認證
- 2011, Obtained CE certificates for whole product line
- 2013 擴大產能，擴設曄俊新二廠
- 2013, Due to expansion, founded new Yeh Chiun plant II

追求卓越品質，精益求精 提升競爭優勢，永續經營

PURSUITFOROUTSTANDINGQUALITY,CONTINUOUSIMPROVEMENT.
UPGRADING COMPETITIVE ADVANTAGE, EVERLASTING BUSINESS MANAGEMENT.

「追求卓越品質，精益求精，提升競爭優勢，永續經營」是曄俊公司自1984年創立以來所秉持的企業精神。曄俊工業以專業生產高精度、高品質NC、CNC多軸油壓折床著稱，迄今已在國內、外業界建立良好的口碑與信賴。此外，也提供業界：NC、CNC油壓剪床、油壓沖床、油壓深絞機、油壓合模機、CNC刨槽機、輓輪機以及各式自動化板金成形設備。曄俊工業提供專業、客製化、高性價比的產品，輔以完整確實的售後服務；為客戶創造最大的價值，是我們對每一位客戶的承諾。

"Pursuit for outstanding quality and continuous improvement. Upgrade competitive advantage for everlasting business" has been the entrepreneurial spirit of Yeh Chiun Industrial Company since our inception in 1984. Reputable at home and abroad, Yeh Chiun manufactures high-precision, high-quality NC and CNC multi-axis hydraulic press brake, with a product line including NC, CNC hydraulic shear, hydraulic press, hydraulic deep drawing press, hydraulic die spotting press, CNC V groover, roller forming machine, and a variety of automation solutions of sheet metal fabrication. We provide professional, customized, and high cost-performance products, along with solid after-sales service. Helping customers create maximum values is our commitment to every customer.



高精度油壓剪床YCS

HIGH PRECISION SHEAR MACHINE YCS

本機所有主、配件皆由曄俊公司自行研發、設計，經電腦PRO/ENGINEER 3D 最新版數學三角幾何函數精密程式，自動模擬與計算本機主結構，主結構抗張力、抗壓力強度都在安全範圍值內，經退火完全消除內應力及電腦有限元素分析設計，確保主結構鋼性的強度、硬度、精度穩定不變形。

All parts of the machine are developed and designed by Yeh Chiun Co. Ltd., and the main frame of the machine is calculated by the latest version of high precision 3D software "PRO/ENGINEER". Anti-tension, anti-pressing force and die crowning are limited in safe range. After annealing to remove the stress, it can remain the rigidity and precision of the main structure.

操作簡便、輕鬆學習、高經濟效率、高性能機械 EASY TO OPERATE & HIGH ECONOMIC EFFICIENCY MACHINE



油壓剪床系列附件說明 HYDRAULIC SHEAR SERIES ACCESSORIES



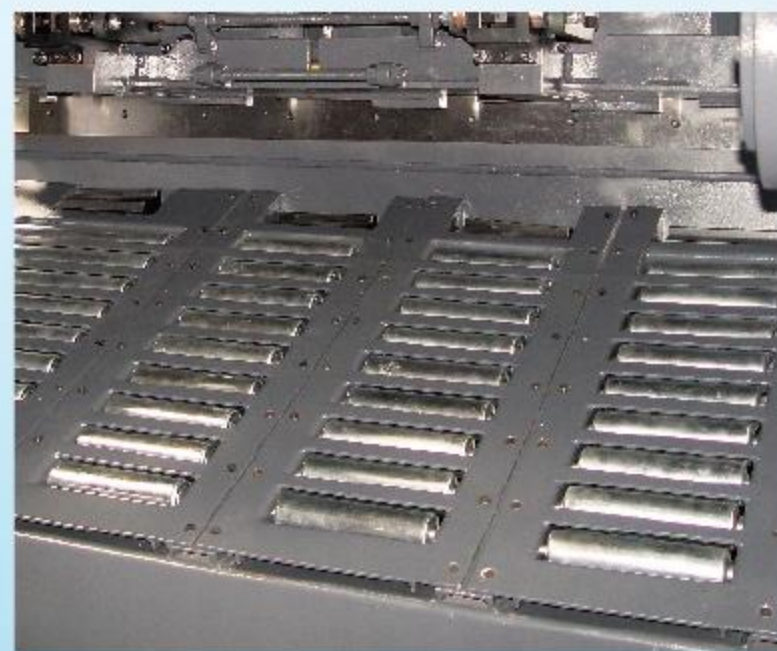
▲ 後規懸吊機構 (標準配備)
Back gauge guiding mechanism (STANDARD)



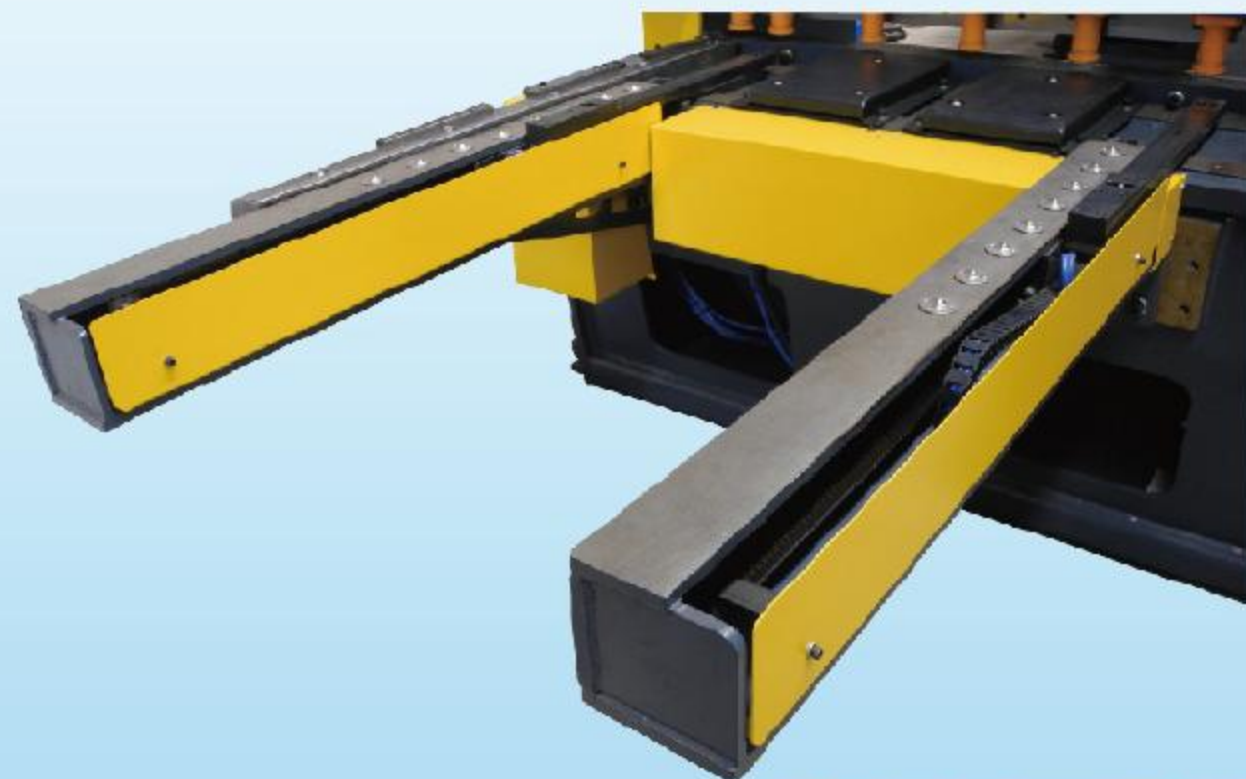
▲ 靠邊直角前規尺及前規定位器 (標準配備)
Square front scale and positioning device (STANDARD)



▲ 兩段式自動後扶料支撐系統 [防刮傷裝置] (選購配備)
Two step automatic back sheet support system [Scratchproof plastic device] (OPTIONAL)



▲ 重型滾輪式落料架(選購配備)
Heavy-duty roller blanking device (OPTIONAL)



▲ 選購配備-自動前規(選購配備)
Auto Front Gauge (OPTIONAL)



▲ 省力滾珠工作台面(標準)
Frictionless ball roller table (Standard)



▲ 省力萬向滾輪座 (重型)
Frictionless ball roller table (For heavy-duty model)



▲ 選購配備 OPTIONAL :
防扭曲機構系統 :

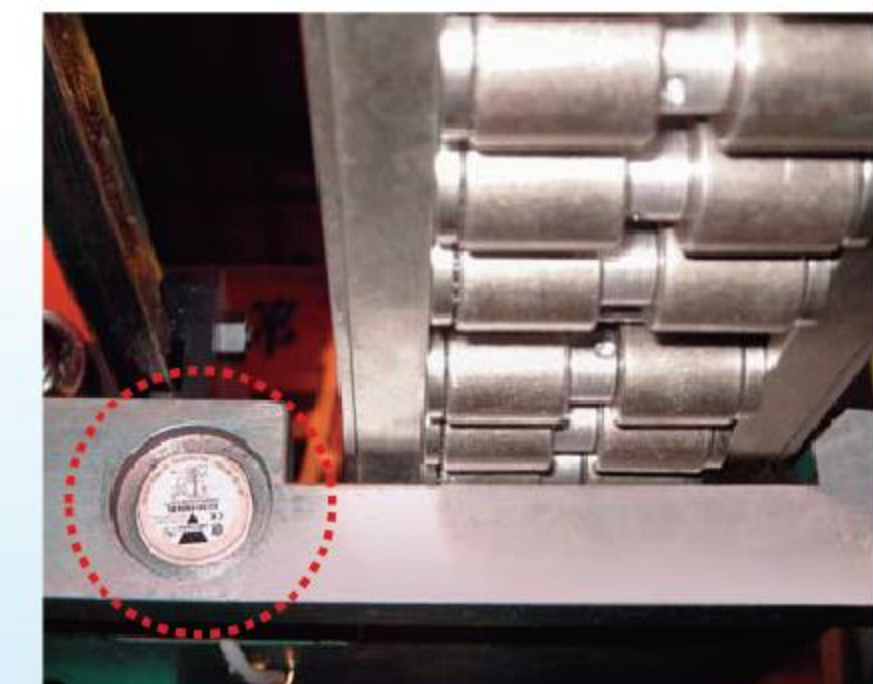
- ★ 防扭曲機構主功能為使主壓力及緩衝力量相輔相成，使剪切動作更順暢，剪切斷面更平整，剪切條板更平坦。
- ★ 油壓迴路系統 (防扭曲系統)。
- ★ 自動刀隙調整。
- ★ 仰角設定可外部遙控。

Twistproof system:

- ★ To balance the main pressure and the cushion force, to make the shearing operation more smoothly, the shearing section more flat, and working more efficiently.
- ★ Hydraulic System (Twistproof system)
- ★ Auto adjustment of blade clearance.
- ★ Remote control available for blade angle adjustment.

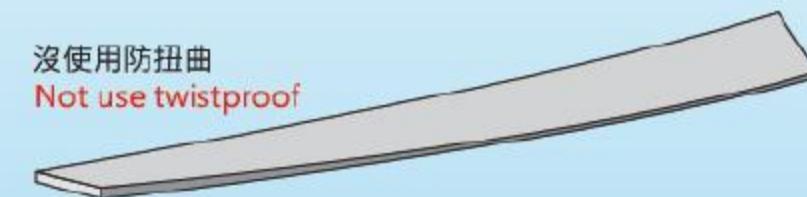


▲ 電磁式扶料機構 (選購配備)
Electromagnetic material support (OPTIONAL)

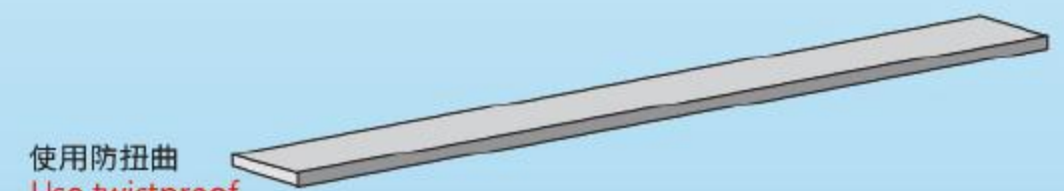


▲ 自動剪切感應系統 (選購配備)
Shearing action sensor (OPTIONAL)

沒使用防扭曲
Not use twistproof

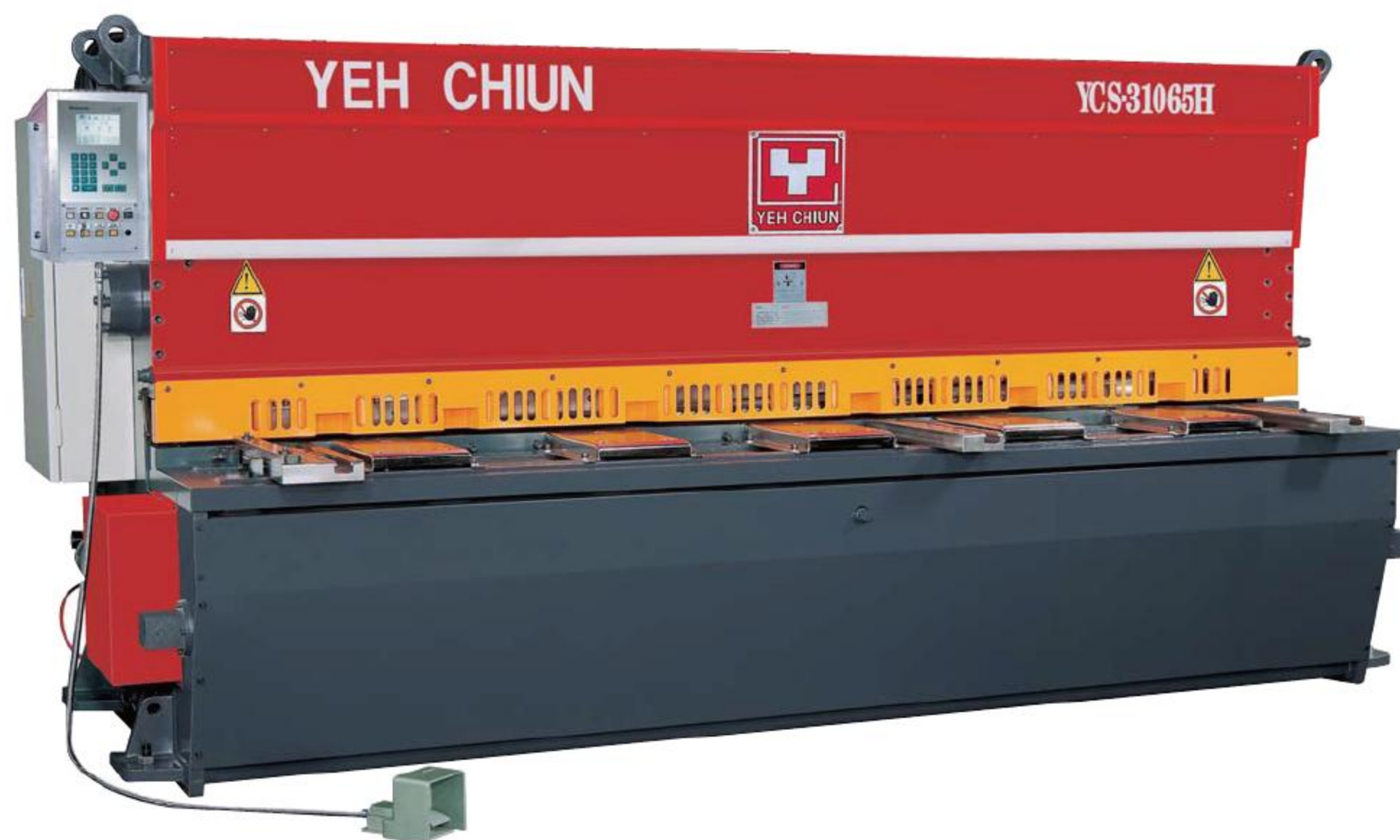


使用防扭曲
Use twistproof



CNC多軸直截式油壓剪床 YCS-HD / YCS-HMI

CNC MULTI-AXIS HYDRAULIC GUILLOTINE SHEAR YCS-HD / YCS-HMI



YCS-HD
DAC-360S控制器
DAC-360S Panel



YCS-HMI
人機介面控制器
HMI Panel

DAC-360S/ HMI 功能 DAC-360S/ HMI FUNCTIONS

- | | |
|-----------------|----------------------------------|
| ▶ 剪刀間隙自動調整 | ▶ Auto Blade Gap Adjustment |
| ▶ 剪切仰角自動調整 | ▶ Auto Blade Angle Adjustment |
| ▶ 剪切長度自動調整 | ▶ Auto Cutting Length Adjustment |
| ▶ 後規長度自動調整 | ▶ Auto Back Gauge Adjustment |
| ▶ 後規行程：800mm | ▶ Back Gauge Travelling: 800mm |
| ▶ 後規精度：+/-0.1mm | ▶ Back Gauge Accuracy: +/-0.1mm |
| ▶ 後規馬達：伺服馬達 | ▶ Back Gauge Motor: Servo Motor |
| ▶ 後規速度：可設定 | ▶ Back Gauge Speed: Adjustable |

※ 上刀/下刀四邊皆可用於剪切

※ UPPER/LOWER BLADE EACH FOUR CUTTING EDGES AVAILABLE

CNC多軸直截式油壓剪床特點與功能：

1. 直截式油壓剪床採可控制液壓迴路系統，經由油壓缸自動調整刀刃仰角，板厚壓力刀隙調整，剪切板件不變形，切斷面平整精準。
2. 本機經由電腦控制輸入板厚值後以安全不超負荷自動調整壓板缸及液壓缸出力，並做最適當剪切。
3. 機構及剪刀座採用鋼板一體，主結構經退火處理，完全消除內應力，控制都集中在機械前面，操作簡便。
4. 具有過負荷安全裝置，確保機台及操作人員的安全。
5. 後規由伺服馬達驅動，精密滾珠導柱螺桿傳動，尺寸定位精準。
6. 後規直線滑軌懸吊式精密導槽座。
7. 具原點測試功能。
8. 具後規尺寸簡易校正系統。
9. 剪切厚板時具有避料預退功能。
10. 本機在任何高伏電磁環境下亦不影響電腦操作。
11. 4軸控制：剪刀間隙、剪切仰角、剪刀行程、後規行程。
12. 輸入剪斷鋼板厚度、剪切長度、材質，控制器會自動計算，機台自動進行調整。
13. 可設定四種材料參數：一般鋼板、不鏽鋼板、鋁板、銅板。(僅限YCS-HD)

※ 自動後扶料架支撐系統可做超長剪切，具有防刮傷裝置。快速配合扶、降動作，亦能使剪切長板件尺寸時，更平整、準確。(選購配備)

~標準配備~

- CNC/ YCS-HD 控制系統
- CNC/ YCS-HMI 控制系統
- 靠邊尺1400mm
- 前支架1400mm
- 前定規固定器
- 省力滾珠工作台
- 燈光投影線裝置
- 安全護手裝置
- 冷卻風扇
- 腳踏開關
- 油壓押板缸
- 防刮傷押板缸裝置
- 保養、操作手冊
- 保養工具 (箱)

CNC MULTIPLE AXES HYDRAULIC GUILLOTINE SHEARS FEATURES:

1. With programmable hydraulic circuit, the blade and shearing gap can be automatically adjusted through hydraulic cylinder. The shear edge is burr free and precise.
2. The computer will, with the input plate thickness, automatically calculate the output tonnage of hold-down cylinders and hydraulic cylinder to ensure smooth shear.
3. The shear body and blade base are made of SS400 steel plates and the internal stress is eliminated by annealing which assures the rigidity of the structure. Control functions are integrated in the front side of the shear for the ease of operations.
4. Overload protection ensures the safety of the shear and the operator.
5. Back gauge is driven by servo motor and precision ball screw for accurate positioning.
6. Back gauge linear slide is overhang by accurate guide.
7. Zero point test function.
8. Easy back gauge calibration.
9. Pre-retreat of back gauge to avoid collision with the thick plate being sheared.
10. The controller maintains functional in the environment of high-voltage electromagnetism.
11. 4 Axes Control: Blade Gap, Blade Angel, Blade Stroke, Back Gauge Travelling.
12. Key in sheet metal thickness, cutting length, material, controller carries out computation and set up machinery automatically.
13. Four material parameters available: Mild Steel, Stainless Steel, Aluminum, Copper(Only YCS-HD)

※ Automatic sheet support system provides extreme long plate shearing and protection from scratch. The support's quick response to plate support and descent makes the shearing even more accurate and smoother. (OPTIONAL)

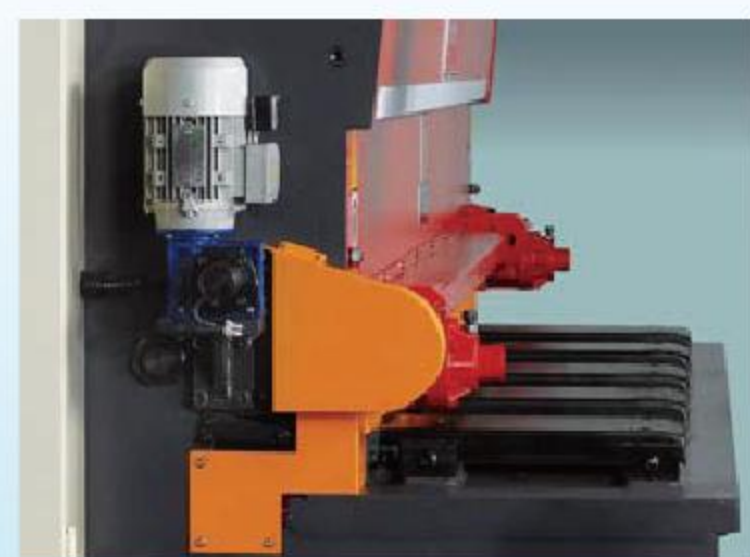
STANDARD ACCESSORIES

- CNC/ YCS-HD Controller System
- CNC/ YCS-HMI Controller System
- Obl Ong Front Scale 1400mm
- Front Frame 1400mm
- Front Gauge Setter
- Frictionless Ball Roller Table
- Shadow Line Device
- Hand Protection Device
- Fan Cooler
- Pedal Switch
- Hold-down Beam Cylinder
- Scratchproof Rubber Push Pad
- Maintenance And Operational Manual
- Tools For Maintenance(Box)

NC直截式油壓剪床 YCS-H系列

NC HYDRAULIC GUILLOTINE SHEAR

YCS-HA Type



- YCS-HA 控制器功能 YCS-HA FUNCTIONS**
- ▶ 剪刀間隙電動調整 ▶ Motorized Blade Gap Adjustment
 - ▶ 剪切仰角電動調整 ▶ Motorized Blade Angle Adjustment
 - ▶ 剪切長度電動調整 ▶ Motorized Cutting Length Adjustment
 - ▶ 後規行程電動調整 ▶ Motorized Back Gauge Adjustment
 - ▶ 後規行程：800mm ▶ Back Gauge Travelling: 800mm
 - ▶ 後規精度：+/-0.1mm ▶ Back Gauge Accuracy: +/-0.1mm
 - ▶ 計數：1-9999 ▶ Counter: 1-9999

- ▲ 刀隙調整結構系統**
Blade clearance adjustment system
- ※ 上刀/下刀四邊皆可用於剪切
※ UPPER/LOWER BLADE EACH FOUR CUTTING EDGES AVAILABLE

- CNC/YCS-HD 系列 CNC/YCS-HD SERIES
- CNC/YCS-HMI 系列 CNC/YCS-HMI SERIES
- NC/YCS-HA 系列 NC/YCS-HA SERIES

規格 SPECIFICATION

型式 Type (Model)	剪切 長度 Shearing Length (mm)	最大板厚 (一般鋼材) Max. Thickness (SS400) (mm)	不鏽鋼 板厚 Stainless Steel Thickness (SUS304) (mm)	喉深 Throat (mm)	最大斜角 (一般鋼材) Max. Angle (SS400)	最小 斜角 Minimum Angle	每分 剪次 Shear/Min	押板缸 (支數) Hold-Down Beam Cylinder (PC)	主機 馬力 Main Motor (HP)	後規 行程 Backgauge Stroke (mm)
YCS-15045H	1550	4.5	3.0	100	2°	1°	27-35	9	10	800
YCS-20045H	2000				2°		26-34	11	10	
YCS-25045H	2500				2°		25-33	13	10	
YCS-31045H	3100				2°		24-32	16	15	
YCS-41045H	4100				2°		17-25	21	15	
YCS-61045H	6100				2°		11-19	30	20	
YCS-15065H	1550	6.5	4.0	100	2°	1°	26-34	9	15	800
YCS-20065H	2000				2°		25-33	11	15	
YCS-25065H	2500				2°		24-32	13	15	
YCS-31065H	3100				2°		21-29	16	20	
YCS-41065H	4100				2°		15-23	21	25	
YCS-61065H	6100				2°		11-19	30	30	
YCS-25080H	2500	8.0	5.0	100	2° 30'	1°	18-26	13	25	800
YCS-31080H	3100				2° 30'		15-23	16	25	
YCS-41080H	4100				2° 30'		12-20	21	30	
YCS-61080H	6100				2° 30'		7-15	30	40	
YCS-150100H	1550	10	6.5	100	2° 30'	1°	22-30	9	30	800
YCS-250100H	2500				2° 30'		18-26	13	30	
YCS-310100H	3100				2° 30'		15-23	16	30	
YCS-410100H	4100				2° 30'		12-20	21	40	
YCS-610100H	6100				2° 30'		7-15	30	50	
YCS-250130H	2500	13	8.5	100	2° 30'	1°	15-21	13	40	800
YCS-310130H	3100				2° 30'		13-19	16	40	
YCS-410130H	4100				2° 30'		10-16	21	50	
YCS-610130H	6100				2° 30'		7-13	30	75	
YCS-250160H	2500	16	10.5	100	2° 30'	1°	11-17	13	50	800
YCS-310160H	3100				2° 30'		9-15	16	50	
YCS-410160H	4100				2° 30'		7-13	21	50	
YCS-610160H	6100				2° 30'		3-9	30	75	
YCS-250200H	2500	20	13	100	2° 30'	1°	10-16	13	100	800
YCS-310200H	3100				2° 30'		8-14	16	100	
YCS-410200H	4100				2° 30'		6-12	21	100	
YCS-610200H	6100				2° 30'		2-8	30	125	
YCS-200250H	2000	25	16.5	100	2° 30'	1°	11-17	10	100	800
YCS-250250H	2500				2° 30'		10-16	13	100	
YCS-310250H	3100				2° 30'		8-13	16	125	
YCS-410250H	4100				2° 30'		6-12	21	125	
YCS-610250H	6100				2° 30'		2-8	30	125	

★本公司不斷研究改進，若規格有任何更改，恕不另行通知。The specifications are subject to change without prior notice as a result of our continuing R&D.

NC直截式油壓剪床 YCS-H系列

NC HYDRAULIC GUILLOTINE SHEAR

YCS-HM Type



手動剪刀間隙調整裝置
Manual Blade Gap Adjustment Device

YCS-HM 控制器功能

- ▶ 剪刀間隙手動調整
- ▶ 剪切長度電動調整
- ▶ 後規行程電動調整
- ▶ 後規行程：800mm
- ▶ 後規精度：+/-0.1mm
- ▶ 計數：1-9999

YCS-HM FUNCTIONS

- ▶ Manual Blade Gap Adjustment
- ▶ Motorized Cutting Length Adjustment
- ▶ Motorized Back Gauge Adjustment
- ▶ Back Gauge Travelling: 800mm
- ▶ Back Gauge Accuracy: +/-0.1mm
- ▶ Counter: 1-9999

※ 上刀/下刀四邊皆可用於剪切

※ UPPER/LOWER BLADE EACH FOUR CUTTING EDGES AVAILABLE

NC/YCS-HM 直截式油壓剪床特點與功能

1. 直截式油壓剪床利用同步油壓缸及上刀滑座直接固定機構原理，以上下垂直式動作剪切，切斷面平整、精準。
 2. 本機具特殊油壓控制裝置，以負荷的大小自動調整押板缸之壓力，可切剪自0.1mm的薄板至25mm的厚板。
 3. 採邏輯式油壓迴路系統，經由順序閥控制，無振動且噪音低，高速及長時間運轉，亦能保持正常油溫及油壓零件穩定性，維持機械正常運作。
 4. 機構及剪刀座採用鋼板一體，主結構經退火處理，完全消除內應力，控制都集中在機械前面，操作簡便。
 5. 具有過負荷安全裝置，確保機台及操作人員的安全。
 6. 後規由剎車馬達驅動，精密滾珠螺桿傳動，尺寸精準確實。
 7. 後規雙U懸吊式精密直線導槽座。
 8. 本機具有後規配備簡易校正系統。
 9. 本機具備厚板避料預退功能。
 10. 本機在任何高伏電磁環境下亦不影響電腦操作。
- ※ 自動後扶料架支撐系統可做超長剪切，具有防刮傷裝置。快速配合扶、降動作，亦能使剪切長板件尺寸時，更平整、準確。(選購配備)

NC/YCS-HM HYDRAULIC GUILLOTINE SHEAR FEATURES

1. Hydraulic guillotine shear acts in a vertical up and down manner, which is enabled by synchronized hydraulic cylinders and direct fixing mechanism of the upper blade. The sheared edge is burr free and precise.
 2. Unique hydraulic control adjusts automatically the output of hold-down cylinders according to the magnitude of the load. Shearing thickness ranges from 0.1mm to 25mm.
 3. Logic hydraulic circuit, controlled by sequence valves functions at a low level of noise with no vibration. Stability as well as normal fluid temperature of hydraulic components can be maintained under high-speed and long-lasting operations to assure consistent performance of the shear.
 4. The shear body and blade base are made of SS400 steel plates which have been annealed for the elimination of internal stress. Control functions are integrated in the front side of the shear for the ease of operations.
 5. Overload protection ensures the safety of the shear and operators.
 6. Back gauge is driven by brake motor and precision ball screw to cut accurately and precisely.
 7. Back gauge dual U overhang linear guide.
 8. Easy back gauge calibration.
 9. Pre-retreat function for thick sheet metal.
 10. The controller maintains functional in the environment of high-voltage electromagnetism.
- ※ Automatic sheet support system provides extreme long plate shearing and protection from scratch. The support's quick response to plate support and descent makes the shearing even more accurate and smoother. (OPTIONAL)

NC/YCS-HM 系列 NC/YCS-HM SERIES

型式 Type (Model)	剪切 長度 Shearing Length (mm)	最大板厚 (一般鋼材) Max. Thickness (SS400) (mm)	不鏽鋼 板厚 Stainless Steel Thickness (SUS304) (mm)	喉深 Throat (mm)	最大斜角 (一般鋼材) Max. Angle (SS400)	每分 剪次 Shear/Min	押板缸 (支數) Hold-Down Beam Cylinder (PC)	主機 馬力 Main Motor (HP)	後規 行程 Backgauge Stroke (mm)
YCS-15045H	1550	4.5	3.0	100	2°	27-35	9	10	800
YCS-20045H	2000				2°	26-34	11	10	
YCS-25045H	2500				2°	25-33	13	10	
YCS-31045H	3100				2°	24-32	16	15	
YCS-41045H	4100				2°	17-25	21	15	
YCS-61045H	6100				2°	11-19	30	20	
YCS-15065H	1550	6.5	4.0	100	2°	26-34	9	15	800
YCS-20065H	2000				2°	25-33	11	15	
YCS-25065H	2500				2°	24-32	13	15	
YCS-31065H	3100				2°	21-29	16	20	
YCS-41065H	4100				2°	15-23	21	25	
YCS-61065H	6100				2°	11-19	30	30	
YCS-25080H	2500	8.0	5.0	100	2° 30'	18-26	13	25	800
YCS-31080H	3100				2° 30'	15-23	16	25	
YCS-41080H	4100				2° 30'	12-20	21	30	
YCS-61080H	6100				2° 30'	7-15	30	40	
YCS-150100H	1550	10.0	6.5	100	2° 30'	22-30	9	30	800
YCS-250100H	2500				2° 30'	18-26	13	30	
YCS-310100H	3100				2° 30'	15-23	16	30	
YCS-410100H	4100				2° 30'	12-20	21	40	
YCS-610100H	6100				2° 30'	7-15	30	50	
YCS-250130H	2500				13	8.5	100	2° 30'	
YCS-310130H	3100	2° 30'	13-19	16				40	
YCS-410130H	4100	2° 30'	10-16	21				50	
YCS-610130H	6100	2° 30'	7-13	30				75	

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NC搖臂式油壓剪床 YCS-S系列

NC HYDRAULIC SWING BEAM SHEAR

YCS-SM Type



▲ 刀隙調整結構系統(蝸桿蝸輪)
Blade Clearance Adjustment System (Wormgear)

- YCS-SM 控制器功能** YCS-SM FUNCTIONS
- ▶ 剪刀間隙電動調整
 - ▶ 剪切仰角電動調整
 - ▶ 剪切長度電動調整
 - ▶ 後規行程電動調整
 - ▶ 後規行程：800mm
 - ▶ 後規精度：+/-0.1mm
 - ▶ 計數：1-9999
- ▶ Motorize Blade Gap Adjustment
 - ▶ Motorize Blade Angle Adjustment
 - ▶ Motorized Cutting Length Adjustment
 - ▶ Motorized Back Gauge Adjustment
 - ▶ Back Gauge Travelling: 800mm
 - ▶ Back Gauge Accuracy: +/-0.1mm
 - ▶ Counter: 1-9999

NC/ YCS-SM 直截式油壓剪床特點與功能

1. 搖臂式油壓剪床利用搖桿支臂機構做精密切剪，無論厚板薄板(0.1mm)都以蝸桿蝸輪電動調整剪刀間隙，操作簡易，一按至板厚標示位置即可得適當的切剪。
 2. 本機具有特殊油壓控制裝置，以負荷的大小自動調整押板油壓缸之壓力，可切剪自0.1mm薄板至25mm厚板。
 3. 採邏輯式油壓迴路系統，經由順序閥控制，無振動且低噪音，高速及長時間運轉油壓系統，能保持正常油溫及油壓零件正常運作。
 4. 機構及剪刀座採用鋼板一體，主結構經退火處理，完全消除內應力，控制都集中在機械前面，操作簡便。
 5. 具有過負荷安全裝置，確保機台及操作人員的安全。
 6. 配裝下刃的機架上之一點為中心，故圓弧運動的上刀架經油壓缸的動作，可得精密切剪。
 7. 搖桿支點經特殊專業設計，刀刃間隙調整簡單；經按鈕，上下刀間隙迅速表示在標點，確保切剪斷面平整、精準及機械之安全性。
 8. 搖桿連接處配備有特殊超負荷軸承，構成精密耐磨的永久性壽命。
 9. 後規由馬達驅動，精密滾珠螺桿傳動，尺寸定位精準確實。
 10. 後規雙U懸吊式精密直線導槽座。
 11. 本機具有後規配備簡易校正系統。
 12. 本機具備厚板避料預退功能。
 13. 本機在任何高伏電磁環境下亦不影響電腦操作。
- ※ 自動後扶料架支撐系統可做超長剪切，具有防刮傷裝置，快速配合扶、降動作，亦能使剪切長板件尺寸時，更平整、準確。(選購配備)

NC/ YCS-SM HYDRAULIC SWING BEAM SHEAR FEATURES

1. Swing beam shear makes precision cuts through the operation of its beam mechanism. The blade clearance can be adjusted by the use of an electric worm gear setter for plates with various thicknesses. Proper shearing can be obtained after the input of plate thickness.
 2. Unique hydraulic control adjusts automatically the output of hold-down cylinders according to the magnitude of the load. Shearing thickness ranges from 0.1mm to 25mm.
 3. Logic hydraulic circuit, controlled by sequence valves functions at a low level of noise with no vibration. Stability as well as normal fluid temperature of hydraulic components can be maintained under high-speed and long-lasting operations to assure consistent performance of the shear.
 4. The shear body and blade base are made of SS400 steel plates which have been annealed for the elimination of internal stress. Control functions are integrated in the front side of the shear for the ease of operations.
 5. Overload protection ensures the safety of the shear and operators.
 6. A point in the frame of lower blade is used as the center of arc movement of upper blade, which offers precision shear through hydraulic cylinder operation.
 7. Special design of swinging beam support offers easy adjustment of blade's clearance. The clearance between blades can be obtained by key-pressing and will be displayed in numerical from with decimal points. The precise clearance guarantees a smooth shear surface as well as shear safety.
 8. The adoption of heavy duty bearings at the beam joints guarantees a precision and wearproof operational life.
 9. Back gauge driven by motor and precision ball screw to shear accurately and precisely.
 10. Back gauge dual U overhang linear guide.
 11. Easy back gauge calibration.
 12. Pre-retreat function for thick sheet metal.
 13. The controller maintains functional in the environment of high-voltage electromagnetism.
- ※ Automatic sheet support system provides extreme long plate shearing and protection from scratch. The support's quick response to plate support and descent makes the shearing even more accurate and smoother. (OPTIONAL)

NC/ YCS-SM 系列 NC/ YCS-SM SERIES

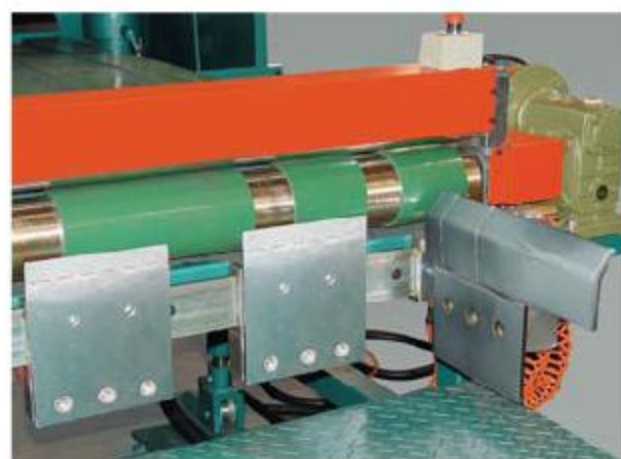
型式 Type (Model)	前切 長度 Shearing Length (mm)	最大板厚 (一般鋼材) Steel Plates (SS400) (mm)	不鏽鋼 板厚 Stainless Steel Plate (SUS304) (mm)	喉深 Throat (mm)	最大斜角 Max Angle (°)	每分 剪次 Shear / Min	押板缸 (支數) Hold-Down Beam Cylinder (PC)	主機 馬力 Main Motor (HP)	後規 行程 Backgauge Stroke (mm)
YCS-15045S	1550	4.5	3.0	250	1° 30'	27-32	9	10	800
YCS-20045S	2000				1° 30'	26-31	11	10	
YCS-25045S	2500			1° 30'	25-30	13	10		
YCS-31045S	3050			1° 30'	24-29	16	15		
YCS-41045S	4050	6.5	4.0	300	1° 30'	17-22	21	15	800
YCS-15065S	1550				1° 30'	26-31	9	15	
YCS-20065S	2000			1° 30'	25-30	11	15		
YCS-25065S	2500			1° 30'	24-29	13	20		
YCS-31065S	3050	10	6.5	300	1° 30'	21-26	16	20	800
YCS-41065S	4050				1° 30'	15-20	21	25	
YCS-61065S	6050			1° 30'	11-16	30	30		
YCS-150100S	1550			13	8.5	300	1° 45'	22-27	
YCS-250100S	2500	1° 45'	18-23				13	25	
YCS-310100S	3050	1° 45'	15-20			16	30		
YCS-410100S	4050	1° 45'	12-17			21	40		
YCS-610100S	6050	16	10.5	300	1° 45'	7-12	30	50	800
YCS-250130S	2500				1° 45'	15-17	13	40	
YCS-310130S	3050			1° 45'	13-15	16	40		
YCS-410130S	4050			1° 45'	10-12	21	50		
YCS-610130S	6050	20	13	300	1° 45'	7-9	30	75	800
YCS-250160S	2500				2°	11-13	13	50	
YCS-310160S	3050			2°	9-11	16	50		
YCS-410160S	4050			2°	7-9	21	50		
YCS-610160S	6050	25	16.5	300	2°	3-5	30	75	800
YCS-250200S	2500				2° 30'	10-12	13	75	
YCS-310200S	3050			2° 30'	8-10	16	75		
YCS-410200S	4050			2° 30'	6-8	21	100		
YCS-610200S	6050	25	16.5	300	2° 30'	2-4	30	100	800
YCS-250250S	2500				2° 30'	10-12	13	100	
YCS-310250S	3050			2° 30'	8-10	16	125		
YCS-410250S	4050			2° 30'	6-8	21	125		
YCS-610250S	6050				2° 30'	2-4	30	125	

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各式油壓剪床自動化 AUTOMATION SOLUTIONS OF HYDRAULIC SHEAR



▼ 自動取料機
Vacuum sheet feeder



▲ 集料正拍機構
Stacking flap mechanism

▼ 自動化集料系統
Automatic stacking system

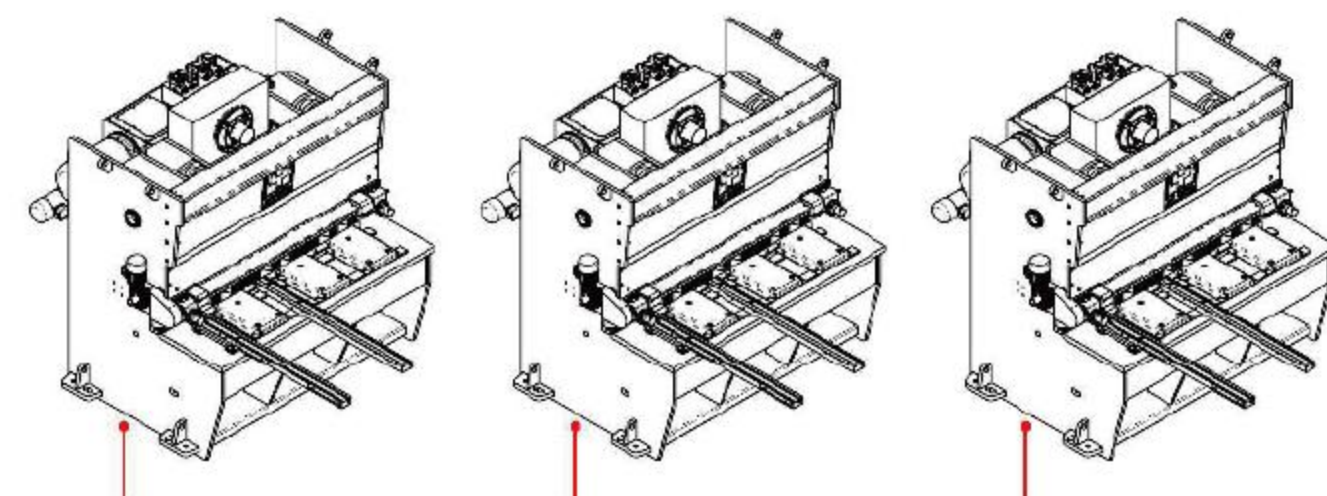


▲ 自動油壓昇降收料平台
Automatic hydraulic sheet stacking lifter



▲ 活動式左右側扶料機構
Movable right and left side stacking correcting flapper

各式油壓剪床自動化 AUTOMATION SOLUTIONS OF HYDRAULIC SHEAR



▲ 支援生產稼動監控
Equipment Activity Monitor Application Available

