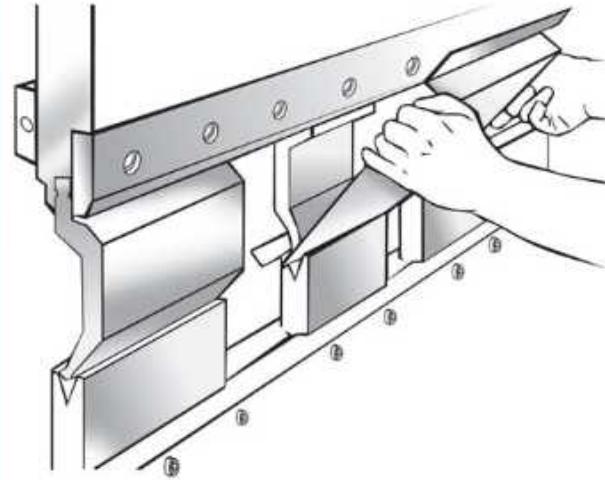




暉俊工業股份有限公司
YEH CHIUN INDUSTRIAL CO., LTD.

YEH CHIUN



公司簡介 Profile

暉俊工業創立於 1984 年，以專業生產精密油壓工具機著稱，在業界建立良好的商譽及口碑。一直以來，暉俊公司戮力於滿足不同客戶的需求，不斷的技术升級，加上數十年來經驗的累積，我們必能實踐『卓越品質，精益求精、提升競爭優勢，永續經營』的經營理念。

Established in 1984, Yeh Chiun industrial co. has built goodwill and earned solid business reputation in sheet metal fabrication industry for engineering high quality hydraulic machines. For decades, Yeh Chiun has determined itself to satisfy many varied customers. With upgrading engineering and our decades manufacturing experience, we can achieve our vision-Pursuit for outstanding quality, continuous improvement. Upgrade competitive advantage, everlasting business.



▲暉俊一廠 Plant I

▼暉俊二廠 Plant II

公司沿革 Milestone

- 1984
公司創立，生產傳統油壓折床
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
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
CNC hydraulic press brake was developed, and production began
- 1993
生產 CNC 四軸油壓折床
Started CNC 4 axes hydraulic press brake production
- 1994
生產 NC 油壓剪床
Started NC hydraulic shear production
- 1994
聯盟合作生產 NC / CNC 冷軋板輥輪成型機
Formed alliance for NC/ CNC metal cold roll forming machine production
- 1996
生產 CNC 五至十一軸高精密油壓折床
CNC hydraulic press brake was upgraded to 5-11 axes, and production began
- 1998
折床正式通過 CE 認證
Hydraulic press brake product qualified for CE standard
- 1999
通過 ISO-9002 認證
Qualified for ISO-9002
- 2002
通過 ISO-9001 認證
Qualified for ISO-9001
- 2004
於中國設立昆山暉俊工業股份有限公司
Founded a plant in Kun Shan, China.
- 2004
生產 CNC AC 伺服高精密油壓折床
Started CNC AC servo press brake
- 2005
生產自動化油壓剪床生產線
Started automatic hydraulic shear production line production
- 2011
全系列產品通過 CE 認證
Obtained CE certificates for whole product line
- 2013
擴大產能，擴設暉俊新二廠
Due to expansion, founded the new Yeh Chiun plant II



暉俊工業股份有限公司
YEH CHIUN INDUSTRIAL CO., LTD.

*High Quality Machine
For Sheet Metal Fabrication*



專業製造：NC CNC 油壓折床·EPB 電機伺服折床·剪床·沖床·
成型機·自動化機電系統整合設備
NC CNC Hydraulic Press Brake, EPB AC Servo Press Brake, Shear, Press,
Forming Machine And Automatic Mechanical Integrated System Professional

產品系列 Products



油壓折床 YCN系列
HYDRAULIC PRESS BRAKE YCN SERIES



油壓深絞成型機 YCT系列
HYDRAULIC STRAIGHT-SIDE PRESS YCT SERIES



油壓合模機 YCT-DS系列
HYDRAULIC DIE-SPOTTING PRESS YCT-DS SERIES



油壓彎板機 YCL系列
HYDRAULIC FOLDING MACHINE YCL SERIES



油壓剪床 YCS系列
HYDRAULIC SHEAR YCS SERIES



油壓沖床 YCT-C系列
HYDRAULIC PRESS YCT-C SERIES



刨V槽專用機 YCV系列
V PLANER YCV SERIES



萬能油壓折床 YCU系列
UNIVERSAL HYDRAULIC PRESS BRAKE YCU SERIES



油壓切角機 YCE系列
HYDRAULIC NOTCHING MACHINE YCE SERIES



電機伺服馬達折床 EPB系列
AC SERVO PRESS BRAKE EPB SERIES



金屬板冷軋輾輪成型機
METAL COLD ROLL FORMING MACHINE





**HIGH PRECISION
HYDRAULIC
SHEAR MACHINE
SERIES**

高精密油壓剪床系列



公司沿革 (Milestone)

- 1984 公司創立·生產傳統油壓折床
- 1987 開發並於翌年正式生產 NC 油壓折床
- 1989 開發並於翌年正式生產 CNC 油壓折床
- 1993 生產 CNC 四軸油壓折床
- 1994 生產 NC 油壓剪床
- 1994 聯盟合作生產 NC、CNC 冷軋板輓輪成型機
- 1996 生產 CNC 五至十一軸高精度油壓折床
- 1998 折床正式通過 CE 認證
- 1999 通過 ISO-9002 認證
- 2002 通過 ISO-9001 認證
- 2004 於中國設立睥俊(昆山)機械工業股份有限公司
- 2004 生產 CNC 電機伺服折床
- 2005 生產自動化油壓剪床生產線
- 2005 擴大產能·增設睥俊二廠
- 2011 全系列產品通過 CE 認證
- 2013 擴大產能·擴設睥俊新二廠
- 1984, Yeh Chiun was established, and hydraulic press brake production began
- 1987, NC hydraulic press brake was developed, and production began
- 1989, CNC hydraulic press brake was developed, and production began
- 1993, Started CNC 4 axes hydraulic press brake production
- 1994, Started NC hydraulic shear production
- 1994, Formed alliance for NC/ CNC metal cold roll forming machine production
- 1996, CNC hydraulic press brake was upgraded to 5-11 axes, and production began
- 1998, Hydraulic press brake product qualified for CE standard
- 1999, Qualified for ISO-9002
- 2002, Qualified for ISO-9001
- 2004, Founded a plant in Kun Shan, China
- 2004, Started CNC servo press brake
- 2005, Started automatic hydraulic shearing line production
- 2005, Founded Yeh Chiun plant II
- 2011, Obtained CE certificates for whole product line
- 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」是睥俊公司自1984年創立以來所秉持的企業精神。睥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。睥俊工業提供專業、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、配件皆由睥俊公司自行研發、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:

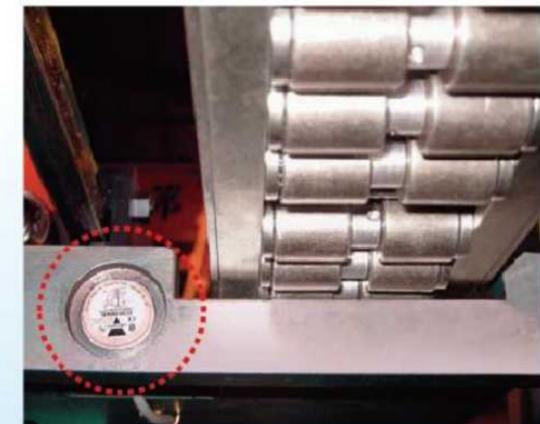
- ★ 防扭曲機構主功能為使主壓力及緩衝力量相輔相成，使剪切動作更順暢，剪切斷面更平整，剪切條板更平坦。
- ★ 油壓迴路系統 (防扭曲系統)。
- ★ 自動刀隙調整。
- ★ 仰角設定可外部遙控。

Twistproof system:

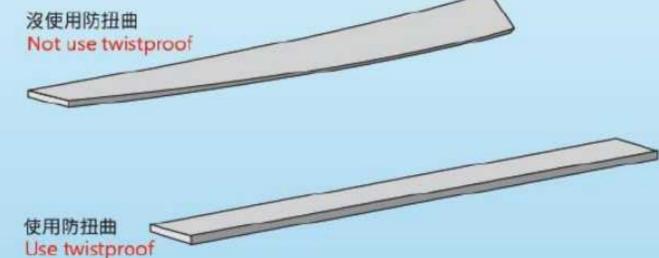
- ★ To balance the main pressure and the cushion force, to make the shearing operation more smoothly, the shearing section more flat, and working more efficiently.
- ★ Hydraulic System (Twistproof system)
- ★ Auto adjustment of blade clearance.
- ★ Remote control available for blade angle adjustment.



▲ 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)



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)

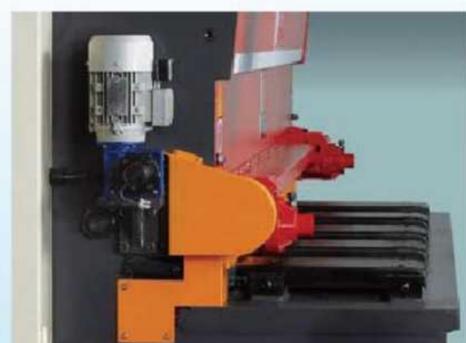
STANDARD ACCESSORIES

- 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'	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	

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NC搖臂式油壓剪床 YCS-S系列

NC HYDRAULIC SWING BEAM SHEAR

YCS-SM Type



YCS-SM 控制器功能

- ▶ 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

YCS-SM FUNCTIONS

- ▶ 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



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

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壓板油壓缸之壓力，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，刀刀間隙調整簡單；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

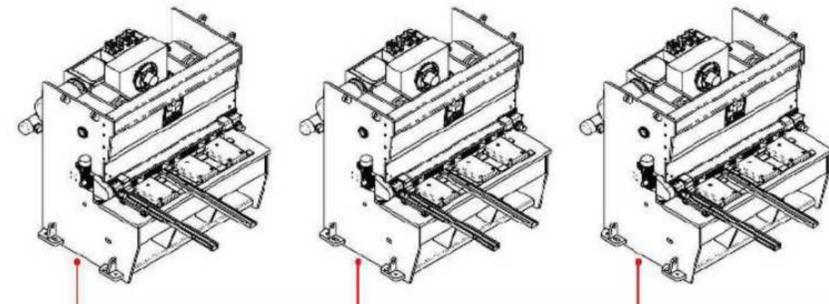


▲ 自動油壓昇降收料平台
Automatic hydraulic sheet stacking lifter

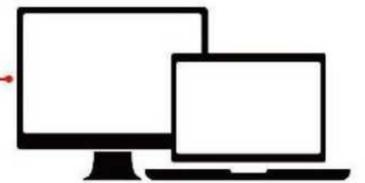


▲ 活動式左右側扶料機構
Movable right and left side stacking correcting flapper

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





YEH CHIUN

曁俊工業

YEH CHIUN INDUSTRIAL

**HIGH PRECISION
HYDRAULIC
PRESS BRAKE
SERIES**

高精密油壓折床系列

YEH CHIUN



YEH CHIUN

追求卓越品質，精益求精 提升競爭優勢，永續經營

*Pursuit for outstanding quality and continuous improvement
Upgrade competitive advantage for everlasting business*

創立於1984年，晔俊工業以生產精密、高品質的油壓工具機著稱，在業界建立良好的商譽及口碑。

採用業界最高規格零組件，搭配世界頂尖的控制器及油壓系統，數十年來所累積的研發設計經驗，加上晔俊一直以來對更高階技術的追求，這一切使我們的油壓折床得以持續不斷地升級，並滿足各個不同客戶的需求。

晔俊工業提供專業、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。

Established in 1984, Yen Chiun is one of the manufacturers in Taiwan of top-quality hydraulic machines. Our company has developed a worldwide reputation for honesty and reliability in the sheet metal fabrication industry over the years.

With high-quality components and parts, world-famous controls and top hydraulic systems, our decades' R&D experiences, Yeh Chiun still keeps pursuing higher level of technology application in the hope that we can continuously upgrade our hydraulic press brakes and satisfy customers with various need.

Yen Chiun offers professional, customized, cost-effective products and the best reliable after-sales service. To create the most value to your business is the promise we give to all our business partners and clients.



CNC 油壓折床 YCN系列 CNC Hydraulic Press Brake YCN Series



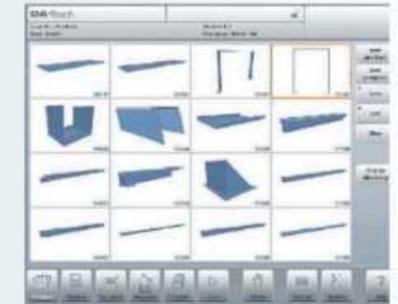
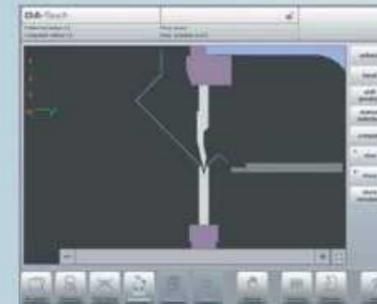
CNC 油壓折床控制系統 CNC Hydraulic Press Brake Controller System

DELEM DA-66T 功能簡介

1. 17" TFT 真彩觸控螢幕
2. 全螢幕觸控式操作
3. 2D觸控式圖形編程
4. 3D產品圖形顯示
5. 自動折彎干涉/碰撞檢測功能
6. 自動計算折彎工序
7. 簡潔單頁式編程操控
8. 模具資料庫(圖像編程及圖像顯示)
9. 模具安全區域計算
10. 16 軸控制

DELEM DA-66T Features

1. 17" colour TFT touch screen
2. Full screen touch control
3. 2D graphic program by touch-screen control
4. 3D product graph display
5. Automatic collision detection
6. Automatic sequence computation
7. One page programming table
8. Graphic tooling library (graphic program & display)
9. Tooling safety zone
10. 16 axes available

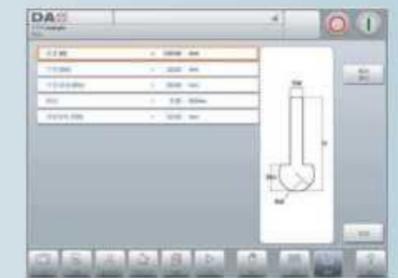


DELEM DA-58T 功能簡介

1. 15" TFT 真彩觸控螢幕
2. 全螢幕觸控式操作
3. 2D觸控式圖形編程
4. 3D產品圖形顯示
5. 自動計算折彎工序
6. 自動折彎干涉/碰撞檢測功能
7. 簡潔單頁式編程操控
8. 模具資料庫(圖像編程及圖像顯示)
9. 模具安全區域計算
10. 5 軸控制

DELEM DA-58T Features

1. 15" colour TFT touch screen
2. Full screen touch control
3. 2D graphic programming by touch-screen control
4. 3D product graph display
5. Automatic sequence computation
6. Automatic collision detection
7. One page programming table
8. Graphic tooling library (graphic program & display)
9. Tooling safety zone
10. 5 axes available



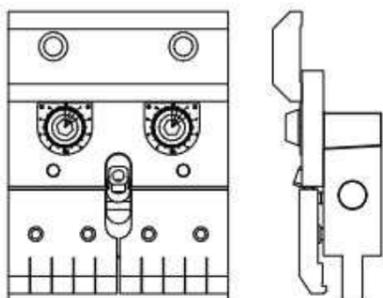
CNC 油壓折床標準配備 (4軸以上) CNC Hydraulic Press Brake Standard Accessories (4 Axes)



歐製光學尺
Euro Optical Scale



整組德國原裝液壓伺服系統 (霍爾比格)
Hydraulic Servo Valve System (Hoerbiger)



安全快速夾具系統 (手動)
Quick-release Safety Clamp (Manual)



後規定位無間隙微調器
Micro Adjuster for Back Gauge



CNC 精密後規
CNC Precision Back Gauge



前規定位微調器
Positioning Device with Front Material Support

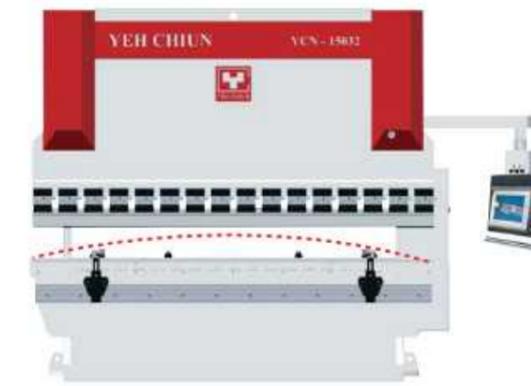


滑行式前扶料架
Slide Front Material Support

CNC 油壓折床選購配備 CNC Hydraulic Press Brake Optional Accessories



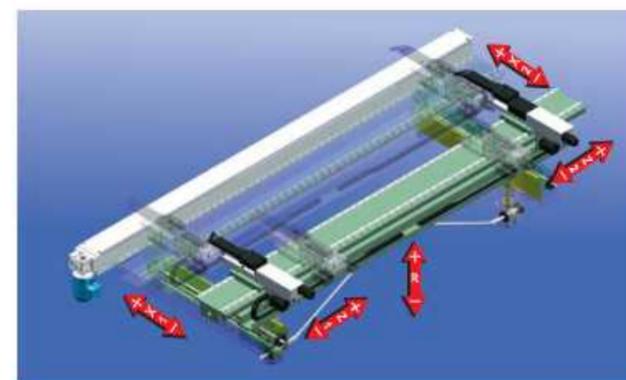
手動撓曲補償系統
Manual Crowning Compensation System



自動撓曲補償系統
Automatic Crowning Compensation System



油壓式撓曲補償系統
Hydraulic Crowning Compensation System



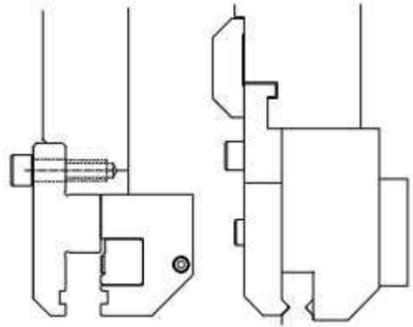
後規多軸選配: X1, X2, Z1, Z2, R,
Back Gauge Optional Axes: X1, X2, Z1, Z2, R,



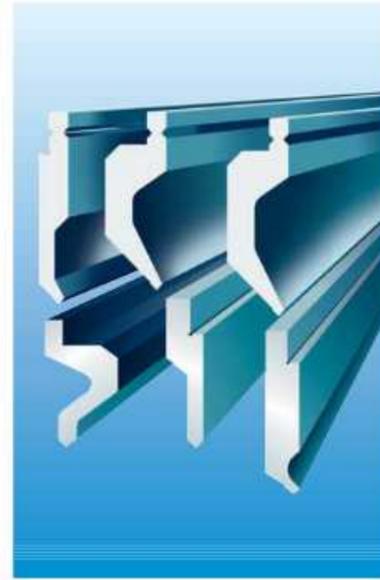
隨動扶料系統
Automatic Sheet Follower

CNC 油壓折床選購配備

CNC Hydraulic Press Brake Optional Accessories



自動油壓夾具系統
Auto Hydraulic Clamping System



各式選配模具
Varied Tooling Packages



PILZ 安全攝像系統
PILZ Safety Camera



AKAS 安全雷射系統
AKAS Safety Laser



SDKELI 安全光柵
SDKELI Safety Light Curtain



側方活動式安全護欄
Movable Safety Side Fence



七軸以上
More Than Seven Axes

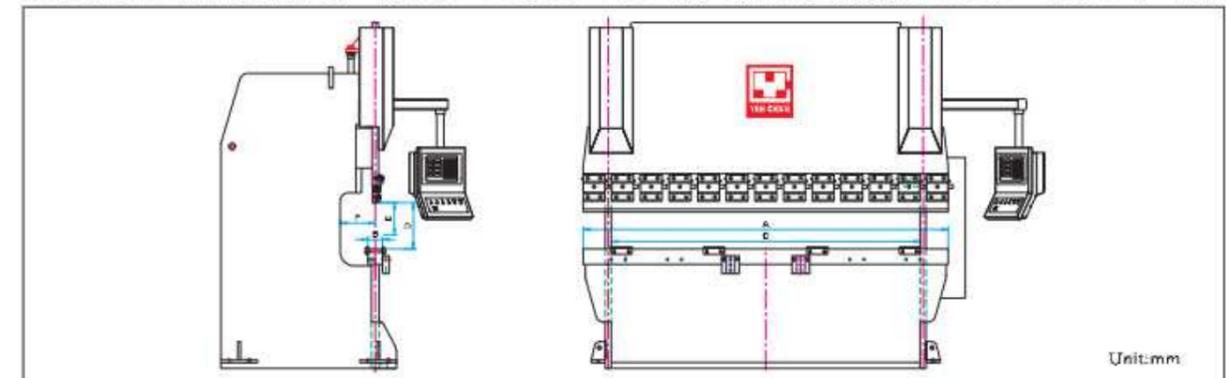


後方安全門
Safety Rear Door

DA-66T / DA-58T CNC 規格 (4軸以上) DA-66T / DA-58T CNC Specification (4 Axes)

型式 Type (Model) DA SYSTEM	曲折能力 Capacity (SS400) (mm)	衝壓能力 Max. Pressure (Ton)	馬力 Motor (HP)	A 台面長 Table Length (mm)	B 台面寬 Table Width (mm)	C 台面內距 Distance Between Housing (mm)	D 最大開距 Daylight (mm)	E 行程 Stroke (mm)	F 喉深 Throat (mm)	下降速度 Lowering Speed (mm/s)	加壓速度 Pressing Speed (mm/s)	回昇速度 Return Speed (mm/s)
YCN-5016	3.5X1600	50	7.5	1600	100	1220	450	250	400	180	1-10	160
YCN-6020	4.0X2000	60	7.5	2000	100	1600	450	250	400	180	1-10	160
YCN-8020	5.0X2000	80	10	2000	100	1600	450	250	400	180	1-10	160
YCN-8025	4.0X2500	80	10	2500	100	2100	450	250	400	180	1-10	160
YCN-10025	4.5X2500	100	15	2500	100	2100	450	250	400	180	1-10	160
YCN-10032	3.5X3200	100	15	3200	100	2600	450	250	400	180	1-10	160
YCN-10042	3.0X4200	100	15	4200	100	3400	450	250	400	180	1-10	160
YCN-12025	5.5X2500	120	15	2500	100	2100	450	250	400	180	1-10	160
YCN-12032	4.0X3200	120	15	3200	100	2600	450	250	400	180	1-10	160
YCN-15025	7.0X2500	150	20	2500	100	2020	450	250	400	180	1-10	160
YCN-15032	5.8X3200	150	20	3200	100	2600	450	250	400	180	1-10	160
YCN-15042	4.5X4200	150	20	4200	100	3400	450	250	400	180	1-10	160
YCN-15050	3.5X5000	150	20	5000	100	4200	450	250	400	180	1-10	160
YCN-20032	7.0X3200	200	25	3200	150	2600	450	250	400	180	1-10	160
YCN-20042	6.0X4200	200	25	4200	150	3400	450	250	400	180	1-10	160
YCN-20050	5.0X5000	200	25	5000	150	4200	450	250	400	180	1-10	160
YCN-20060	4.0X6000	200	25	6000	150	5200	450	250	400	180	1-10	160
YCN-25032	8.0X3200	250	25	3200	150	2600	550	300	400	180	1-10	160
YCN-25042	7.0X4200	250	25	4200	150	3200	550	300	400	180	1-10	160
YCN-25050	5.5X5000	250	25	5000	150	4000	550	300	400	180	1-10	160
YCN-30032	11X3200	300	40	3200	150	2600	550	300	400	100	1-10	90
YCN-30042	8.5X4200	300	40	4200	150	3200	550	300	400	100	1-10	90
YCN-30050	7.0X5000	300	40	5000	150	4000	550	300	400	100	1-10	90
YCN-30060	6.0X6000	300	40	6000	150	5000	550	300	400	100	1-10	90
YCN-40032	15X3200	400	50	3200	150	2600	550	300	400	100	1-7	90
YCN-40042	12X4200	400	50	4200	150	3200	550	300	400	100	1-7	90
YCN-40050	10X5000	400	50	5000	150	4000	550	300	400	100	1-7	90
YCN-40060	8.0X6000	400	50	6000	150	5000	550	300	400	100	1-7	90
YCN-50042	15X4200	500	60	4200	300	3200	550	300	400	100	1-6	70
YCN-50050	12X5000	500	60	5000	300	4000	550	300	400	100	1-6	70
YCN-50060	10X6000	500	60	6000	300	5000	550	300	400	100	1-6	70
YCN-60042	18X4200	600	60	4200	300	3200	600	350	400	100	1-6	70
YCN-60050	15X5000	600	60	5000	300	4000	600	350	400	100	1-6	70
YCN-60060	12X6000	600	60	6000	300	5000	600	350	400	100	1-6	70
YCN-70050	18X5000	700	75	5000	300	4000	600	350	400	100	1-6	65
YCN-70060	14X6000	700	75	6000	300	5000	600	350	400	100	1-6	65
YCN-80050	20X5000	800	100	5000	300	4000	600	350	400	100	1-6	65
YCN-80060	16X6000	800	100	6000	300	5000	600	350	400	100	1-6	65
YCN-90050	22X5000	900	100	5000	300	4000	600	350	400	100	1-6	60
YCN-90060	18X6000	900	100	6000	300	5000	600	350	400	100	1-6	60
YCN-100050	25X5000	1000	125	5000	300	4000	600	350	400	100	1-6	60
YCN-100060	20X6000	1000	125	6000	300	5000	600	350	400	100	1-6	60

為符合TS安全規範，加壓速度將被限制在10mm/sec以內。 In compliance with TS safety regulation, pressing speed would be limited below 10mm/sec.



Unit:mm

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CNC/DA-66T 油壓折床 雙機聯動系列 CNC/DA-66T Hydraulic Press Brake Tandem Series

1000 Ton 大型聯動折床
1000 Ton Tandem Press Brake



CNC/ NC 油壓折床 YCN系列 CNC/ NC Hydraulic Press Brake YCN Series



CNC/ NC 油壓折床控制系統 CNC/ NC Hydraulic Press Brake Controller System

DELEM DA-53T 功能簡介

1. 10.1" TFT 真彩觸控螢幕
2. 全螢幕觸控式操作
3. 最佳折彎工序建議
4. 模具資料庫
5. 三軸控制 (Y, X, R)

DELEM DA-53T Features

1. 10.1" colour TFT touch screen
2. Full screen touch control
3. Optimize bending steps
4. Tooling library
5. 3 axes control (Y, X, R)



DELEM DA-52S 功能簡介

1. 7" TFT 彩色螢幕顯示
2. 快速單頁式編程操控
3. 折彎角度校正功能
4. 數據式編程
5. 模具安全區域
6. 模具資料庫
7. 三軸控制 (Y, X, R)

DELEM DA-52S Features

1. 7" colour LCD display
2. Quick one-page programming
3. Angle correction database
4. Numerical programming
5. Tooling library
6. Tooling safety zones
7. 3 axes control (Y, X, R)

NC-05 功能簡介

1. LED數字顯示
2. 中英文操作面板
3. 可儲存150組程式
4. 折彎角度補正設定
5. X軸控制

NC-05 Features

1. LED numerical display
2. Operation panel: Chinese/ English characteristics
3. Up to 150 programs available
4. Bending angle correction setting
5. X axis control



傳統油壓折床 YCA系列 Conventional Hydraulic Press Brake YCA Series

- ▶ 折彎角度數值化控制
Numerical Bending Angle Control
- ▶ 手動後規
Manual Back Gauge

NC-05 平台式油壓折床 YCN系列 NC-05 Hydraulic Press Brake YCN Series

鋼製傢具專用
Specific For Steel Furniture Production



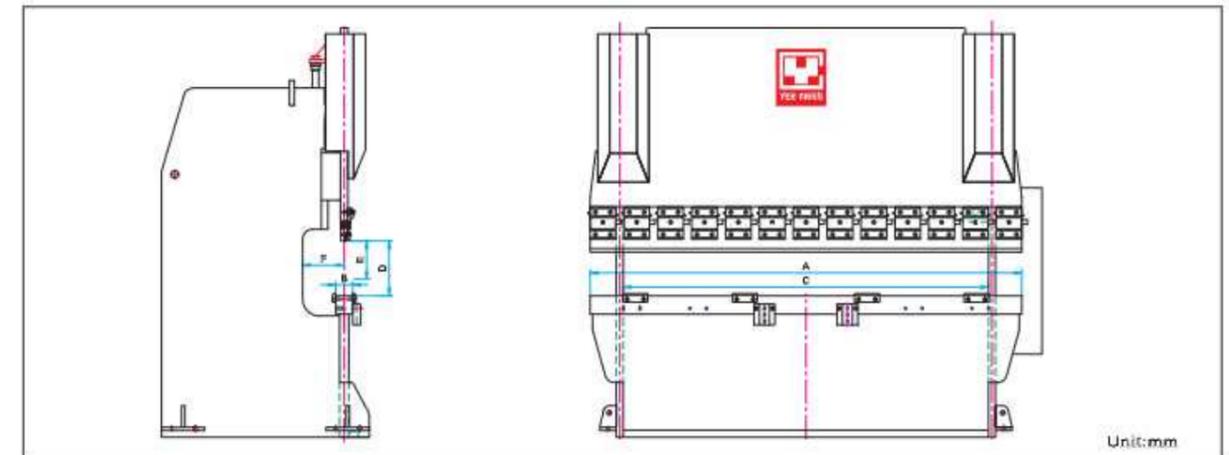
平面抽折專用模具
Deflection Control Die



CNC DA-53T/ DA-52S (3軸) / NC-05 / YCA 規格 CNC DA-53T/ DA-52S (3 Axes) / NC-05 / YCA Specification

型式 Type (Model)	曲折能力 Capacity (SS400) (mm)	衝壓能力 Max. Pressure (Ton)	馬力 Motor (HP)	A 台面長 Table Length (mm)	B 台面寬 Table Width (mm)	C 台面內距 Distance Between Housing (mm)	D 最大開距 Daylight (mm)	E 行程 Stroke (mm)	F 喉深 Throat (mm)	下降速度 Lowering Speed (mm/s)	加壓速度 Pressing Speed (mm/s)	回昇速度 Return Speed (mm/s)
YCN-3013	2.5X1300	30	3	1300	100	1000	350	180	320	135	10	90
YCN-4516	3.2X1600	45	3	1600	100	1220	350	180	320	135	10	90
YCN-4520	2.5X2000	45	3	2000	100	1600	350	180	320	135	10	90
YCN-6020	4.0X2000	60	5	2000	100	1600	350	180	320	120	10	90
YCN-6025	3.0X2500	60	5	2500	100	2100	350	180	320	120	10	90
YCN-8020	5.0X2000	80	5	2000	100	1600	350	180	320	120	10	90
YCN-8025	4.0X2500	80	5	2500	100	2100	350	180	320	120	10	90
YCN-10025	4.5X2500	100	7.5	2500	100	2100	350	180	320	100	10	90
YCN-10032	3.5X3200	100	7.5	3200	100	2600	350	180	320	100	10	90
YCN-10042	3.0X4200	100	7.5	4200	100	3400	350	180	320	100	10	90
YCN-15025	7.0X2500	150	10	2500	150	2020	450	250	320	100	10	90
YCN-15032	5.8X3200	150	10	3200	150	2600	450	250	320	100	10	90
YCN-15042	4.5X4200	150	10	4200	150	3400	450	250	320	100	10	90
YCN-15050	3.5X5000	150	15	5000	150	4200	450	250	320	100	10	90
YCN-20032	7.0X3200	200	15	3200	250	2600	450	250	320	100	8-9	90
YCN-20042	6.0X4200	200	15	4200	250	3400	450	250	320	100	8-9	90
YCN-20050	5.0X5000	200	20	5000	250	4200	450	250	320	100	8-9	90
YCN-20060	4.0X6000	200	20	6000	250	5200	450	250	320	100	8-9	90
YCN-30032	11X3200	300	25	3200	300	2600	500	300	400	100	8-9	80
YCN-30042	8.5X4200	300	25	4200	300	3200	500	300	400	100	8-9	80
YCN-30050	7.0X5000	300	30	5000	300	4000	500	300	400	100	8-9	80
YCN-30060	6.0X6000	300	30	6000	300	5000	500	300	400	100	8-9	80
YCN-40032	15X3200	400	30	3200	300	2600	500	300	400	100	7	76
YCN-40042	12X4200	400	40	4200	300	3200	500	300	400	100	7	76
YCN-40050	10X5000	400	40	5000	300	4000	500	300	400	100	7	76
YCN-40060	8.0X6000	400	40	6000	300	5000	500	300	400	100	7	76
YCN-50042	15X4200	500	45	4200	400	3200	500	300	400	100	6	70
YCN-50050	12X5000	500	45	5000	400	4000	500	300	400	100	6	70
YCN-50060	10X6000	500	45	6000	400	5000	500	300	400	100	6	70

為符合TS安全規範，加壓速度將被限制在10mm/sec以內。 In compliance with TS safety regulation, pressing speed would be limited below 10mm/sec.



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折床特別式樣

Varied Press Brake Available



龍門型折床
Gate-frame Press Brake



CE安規油壓折床
Hydraulic Press Brake with CE Safety Standard



TS、CE安規伺服折床
Servo Press Brake with TS、CE Safety Standard

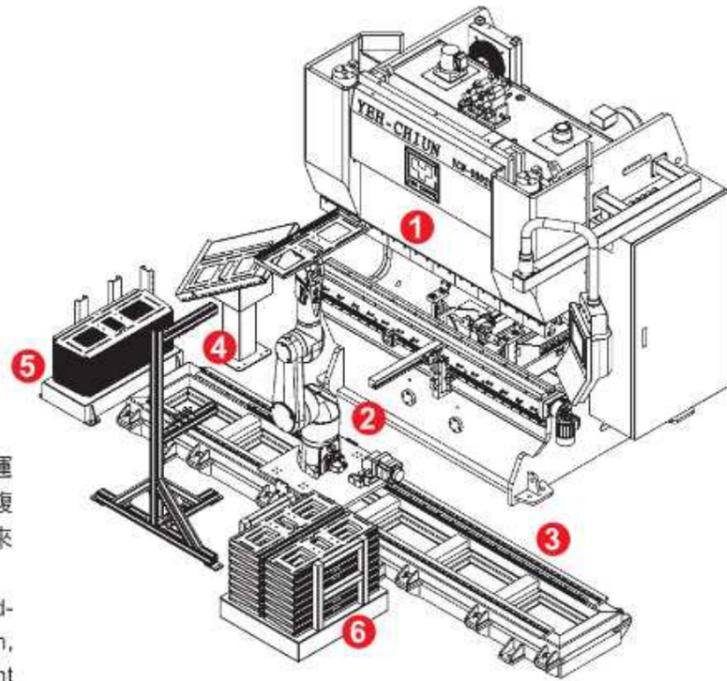
自動化折彎

Total Automation Solutions of Bending

量多樣繁→全自動智能折彎工作站

High Variety, High Volume Production → Auto Bending Cell

- 1 折床
Press Brake
- 2 機械手臂
Robot
- 3 移動軌道
Track
- 4 板件定位裝置
Repositioning Device
- 5 材料區
Material Station
- 6 成品擺放區
Product Unloading Zone



智能折彎工作站兼具制式化生產效能及個別化的運用彈性，可穩定、有效率地完成各種不同變化且複雜的折彎工程。自動化與智慧科技的結合，是未來邁向智慧工廠不可或缺的設備之一。

Auto bending cell has both the effectiveness of standardization and the total flexibility of personalization, capable of variety, complicated bending in constant speed. It is the combination of automatic and smart tech, one of the necessary factors of smart factory in the future.





YEH CHIUN

萬能油壓折床YCU系列

**UNIVERSAL HYDRAULIC PRESS BRAKE
YCU SERIES**



**暉俊工業股份有限公司
YEH CHIUN INDUSTRIAL CO., LTD.**

YEH CHIUN

YCU SERIES 規格 SPECIFICATION

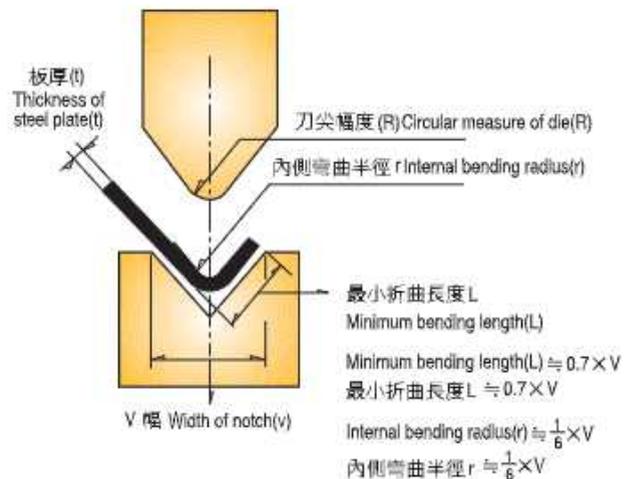
型式 Type (Model)	曲折能力 Capacity (SS400) (mm)	衝壓能力 Max. Pressure (Tons)	馬力 Motor (HP)	台面長 Table Length (mm)	台面寬 Table Width (mm)	台面內距 Distance Between Housing (mm)	最大開距 Daylight (mm)	行程 Stroke (mm)	喉深 Throat (mm)	裝箱尺寸 (長×寬×高) Packing Size (L×W×H) (mm)
YCU-350	3.2X1260	35	3	1260	300	470	320	120	600	1500x1400x2300
YCU-400	3.2X1560	40	3	1560	300	470	320	120	600	1800x1400x2300
YCU-450	3.2X1830	45	5	1830	300	580	350	150	600	2100x1450x2500
YCU-650	3.2X2000	65	5	2000	300	580	350	150	600	2300x1450x2500

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折曲壓力表 PRESSING PRESSURE CHART

板厚 Thickness of steel plate(t)/mm	0.6-4.0	4.5-8	9-25
V幅 Width of notch(v)/mm	(6-8)xt	(8-10)xt	(10-12)xt



YEH CHIUN 曜俊工業股份有限公司 YEH CHIUN INDUSTRIAL CO., LTD.		V 型模寬 V	曲板半徑 r	最小折曲長度 L	Pressing pressure chart Steel plate(45Kg/mm ²) Length 1000mm Curvature pressing pressure(ton) 曲板能量表 鋼板(45Kg/mm ²) 長度1000mm 曲板壓力(ton)															
機 種 Model		板 厚 t																		
能 力 Tonnage Capacity	ton	0.5	1.0	1.2	1.6	2.0	2.3	2.6	3.2	3.6	4.5	6	9	12	16	19	22	25	30	
曲板長度 Overall Bending Length	mm	6	1	4	3	11														
機台框距 Distance Between Frames	mm	8	1.5	5.5	2	8	12													
開喉深度 Throat Depth Of Side Frames	mm	10	1.5	7	2	7	10	17												
行 程 Ram Stroke	mm	12	2	8.5		6	8	14	22											
動作油量 Hydraulic Oil Capacity	ℓ	16	2.5	11		6	11	17	22											
電 源 Electric Power	3φ v Hz	20	3	14		9	13	17	22											
主機馬達 Main Motor	HP	25	4	18		11	14	18	27											
製造日期 Date Manufacture		32	5.5	23		11	14	21	27											
製造號碼 Serial NO.		40	6.5	28		11	17	21	34											
機台重量 Weight	ton	50	8	35		14	17	27	50											
		63	10	45		14	21	38	85											
		80	13.5	57		14	21	38	85											
		100	16	71		24	54	95												
		125	20	89		43	76	135												
		160	26	113		60	106	149												
		200	35	140		85	119	160												
		250	42	175		95	128	165	238											



曜俊工業股份有限公司
YEH CHIUN INDUSTRIAL CO., LTD.

AGENT:



晔俊工業
YEH CHIUN INDUSTRIAL

AUTOMATION ENERGY-SAVING HIGH PRECISION

HYDRAULIC PRESS

YCT/C/CG/H/F SERIES

智能化節能高精密油壓成型機

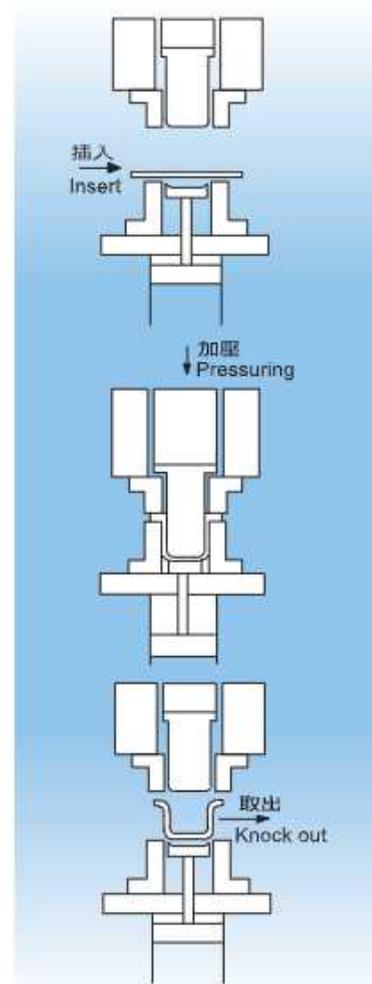


YEH CHIUN

油壓深絞成型機 YCT系列 Hydraulic Straight-Side Press YCT Series



油壓深絞成型機 YCT系列 Hydraulic Straight-Side Press YCT Series



特點 FEATURES

本機專為金屬板等深抽拉引成型加工而特殊設計之高精度專用機，成型能力由100噸到2000噸均可承製。

此機型針對現今生產速度及機械之安全的要求，採用特別之迴路以達至其安全性及高速性。

- 安全、確實的控制系統，操作簡單，作業效率高。
- 油壓裝置設計使用邏輯迴路方式，防漏、防震性能特佳，外觀整潔，保養簡便。
- 嚴格的品質管制，專業化的生產，性能優越，精度確實，服務迅速。

These hydraulic press are specially designed for precision deep drawing of metal plates. Available in 100 to 2000 tons, offer high efficiency and accuracy.

Our design adopt special loop control system in order to meet the modern industrial requirement of high speed production and extremely safety.

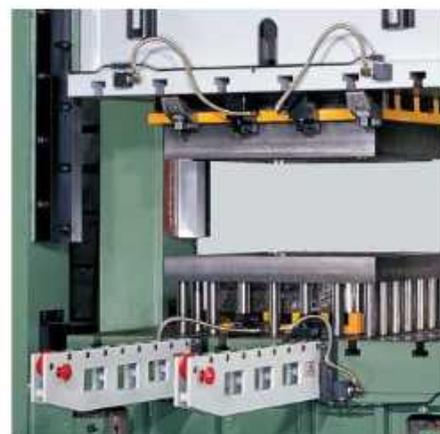
- Safe and accurate control systems, simple operation and high efficiency.

- Special features: adopting logical hydraulic system, anti-leaking anti-vibration, beautiful appearance and easy to maintenance.

- Specializing in manufacturing hydraulic bending machines, strict quality control, integrated process to finish precision products and after-sale services.

油壓深絞成型機 YCT系列

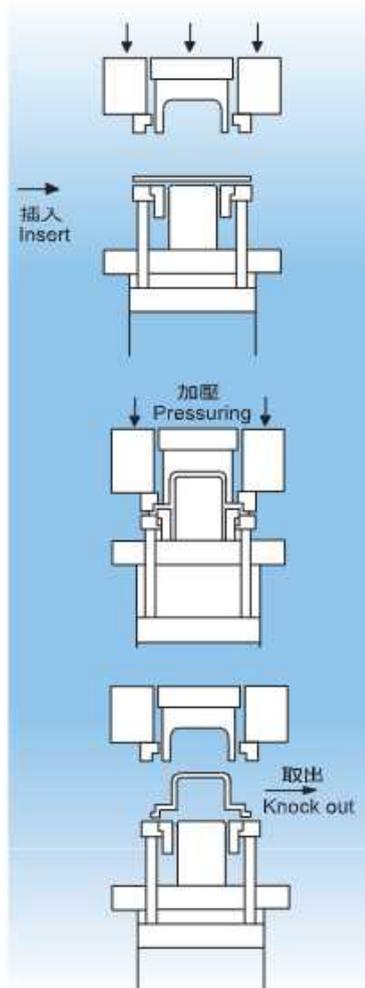
Hydraulic Straight-Side Press YCT Series



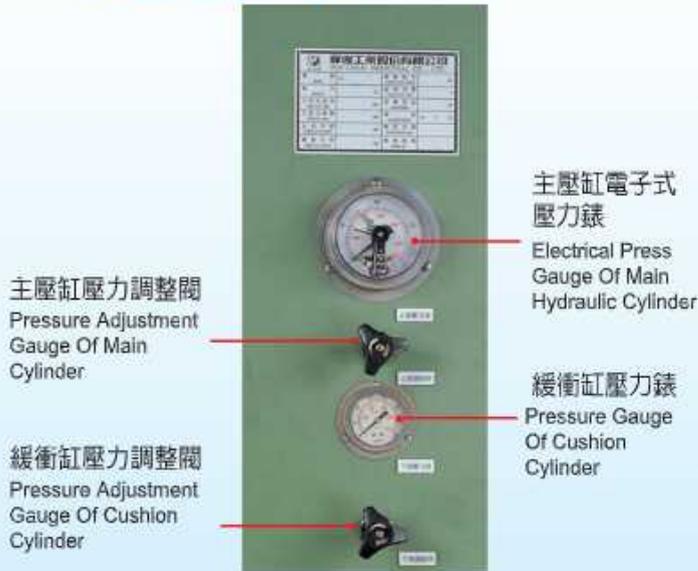
▲ 特殊附件
OPTIONAL ACCESSORIES
快速換模系統
Quick Die Change Systems

人機介面數位系統
Human-Machine
Interface Controller
System

舉模器及油壓夾具
控制系統
Control System
For Die Lifter And
Hydraulic Fixture



附件 ACCESSORIES



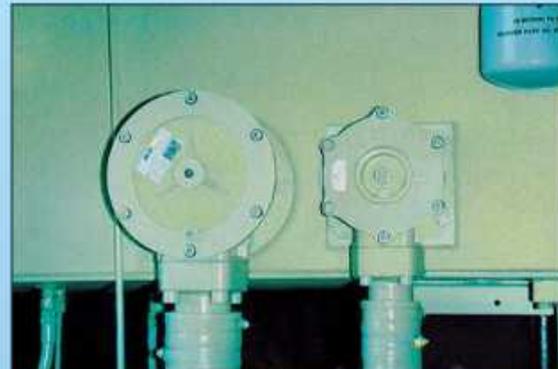
▲ 人機操作界面 (選配)
Human-machine Interface Controller (Optional)



▲ 電機系統操作盤
Electrical Operation Panel



▲ 邏輯式油路板 HYDRAULIC LOGIC MANIFOLD
油壓單元排列整潔，並以邏輯系統的油路板配管，以方便維護。
Hydraulic unit is arranged orderly and tidily, and mated with logic systematic oil-passage plate & piping for convenient maintenance.

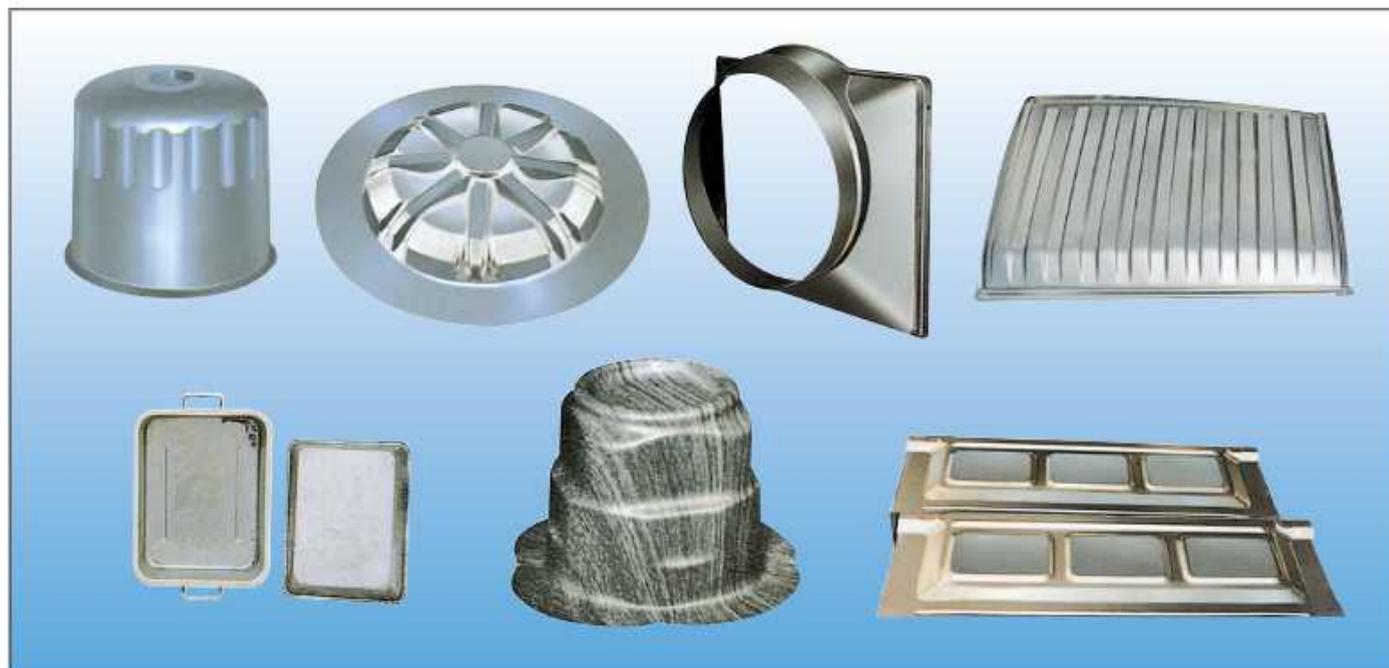


▲ 濾油網 OIL FILTER
濾油網裝置於油箱外以方便清洗。
Oil filter is located outside of oil tank for easy cleaning.

YEH CHIUN

YCT深絞成型成品例

YCT STRAIGHT-SIDE PRODUCTS EXAMPLES



規格 SPECIFICATION

型式 Type (Model)	出力 Capacity (Ton)	工作台面積 Table Size (mm)	最大開距 Daylight (mm)	行程 Stroke (mm)	緩衝能力 Cushion Capacity (ton)	緩衝行程 Cushion Stroke (mm)	下降速度 Descending Speed (mm/sec)	加壓速度 Pressing Speed (mm/sec)	上昇速度 Ascending Speed (mm/sec)	電動機 Drive Motor (HP)
YCT-100	100	800X700	650	500	30	180	200-250	15-20	250	20
YCT-150	150	1000X850	800	600	50	200	200-250	15-20	250	25
YCT-200	200	1200X1000	950	700	70	250	200-250	15-20	250	30
YCT-250	250	1350X1100	1000	800	80	250	200-250	15-20	250	40
YCT-300	300	1500X1200	1100	800	100	300	200-250	10-15	250	50
YCT-400	400	1800X1300	1200	800	140	300	200-250	10-12	250	60
YCT-500	500	2000X1500	1400	1000	180	350	200-250	10-12	250	75
YCT-600	600	2000X1500	1400	1000	200	350	250	10-12	250	100
YCT-800	800	2500X1800	1500	1000	250	400	250	10-12	250	125
YCT-1000	1000	3000X2000	1800	1200	300	500	250	10-12	250	150
YCT-1200	1200	3200X2400	1800	1300	450	450	300-350	10-20	250	175
YCT-1500	1500	3600X2400	2000	1500	500	500	300-350	10-20	250	200

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油壓C型沖床 YCT-C系列

C-Frame Hydraulic Press YCT-C Series

YCT-C Series



特點 FEATURES

- 此油壓機為C形狀，因所有的零件都安裝於機體內，因此機械的操作既安全又容易。
- 此機外型簡單、操作簡便。
- 此機屬於多種用途，本廠也能因應特殊需求而製成不同的特殊形狀及功能。
- The machine structure is C-frame. All the parts are including in machine body, the operation is safe and simple.
- Design is simple and free of trouble.
- The machine is multiple purpose, we are able to modify the design and enhance functions to meet your special requirements.

用途 APPLICATIONS

1. 軸及套筒類之壓入及取出。
 2. 鈹金的折曲及深絞拉引。
 3. 各種材料的矯正及成型、切斷及沖孔。
 4. 適合於壓縮試驗用。
 5. 電腦機外殼及鈹金零件。
 6. O A鋼製傢具抽屜、軌道零件。
 7. 空調冷氣機外殼零件。
 8. 建築產業機器零件製造。
1. Press in and push out of shafts and sockets.
 2. The bending and deep drawing of sheet metal.
 3. Straighten, forming, shear and punching.
 4. Compression testing.
 5. Production of computer cabinet and parts
 6. Office furniture components including drawer, rails.
 7. Cabinet and components of refrigeration and air conditioner.
 8. Architecture industrial machine components manufacture.

特殊附件

全數值式控制定位系統

特點：人機介面全數值式磁力尺控制定位，
±公差0.05mm。

OPTIONAL ACCESSORIES

TNC (Total Numerical Control) Positioning System

FEATURES : Human-Machine Interface

TNC (Total Numerical Control)

Magnetic Positioning ±0.05mm.

油壓C型沖床 YCT-CG系列 CG-Frame Hydraulic Press YCT-CG Series

YCT-C Series



YCT-CG Series



特殊附件
OPTIONAL ACCESSORIES
安全電眼開關
Safety Sensor Switch



規格 SPECIFICATION

型式 Type (Model)	出力 Capacity (Ton)	工作台面 Table size (mm)	最大開距 Daylight (mm)	行程 Stroke (mm)	下降速度 Descending Speed (mm/sec)	加壓速度 Pressing Speed (mm/sec)	上昇速度 Ascending Speed (mm/sec)	馬達 Motor (HP)
YCT-C10	10	550X425	450	300	160	10	170	3
YCT-C20	20	600X425	450	300	160	15	160	5
YCT-C30	30	600X500	450	300	170	14	160	7.5
YCT-C40	40	700X500	500	300	170	14	160	10
YCT-C50	50	700X600	500	350	180	14	180	10
YCT-C80	80	700X600	500	350	180	14	180	15
YCT-C100	100	750X600	600	400	200	14	200	15
YCT-C150	150	900X700	700	450	200	14	200	20
YCT-C200	200	1000X800	700	450	200	10	200	25
YCT-C300	300	1000X800	700	450	200	10	200	30

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油壓四柱型沖床 YCT-H系列 4-Post Hydraulic Press YCT-H Series

特點 FEATURES

- 此油壓機為四柱型，因所有的零件都安裝於機體內，因此機械的操作既安全又容易。
- 此機外型簡單、操作簡便。
- 此機屬於多種用途，本廠也能因你的特殊需求而製成不同的特殊形狀及功能。
- The machine structure is 4-Post. All the parts are including in machine body, the operation is safe and simple.
- Design is simple and free of trouble.
- The machine is multiple purpose, we are able to modify the design and enhance functions to meet your special requirements.

用途 APPLICATIONS

1. 軸及套筒類之壓入及取出。
 2. 鈹金的折曲及深紋。
 3. 各種材料的矯正及成型、切斷及沖孔。
 4. 適合於壓縮試驗用。
 5. 電腦機外殼及鈹金零件。
 6. O A 鋼製傢具抽屜、軌道零件。
 7. 高科技複合材料壓合加工。
1. Press in and push out of shafts and sockets.
 2. The bending and deep drawing of sheet metal.
 3. Straighten, forming, shear and punching.
 4. Compression testing.
 5. Production of computer cabinet and parts
 6. Office furniture components including drawer, rails.
 7. High tech composite material press process.



規格 SPECIFICATIONS

型式 Type (Model)	出力 Capacity (Ton)	工作台面 Table size (mm)	最大開距 Daylight (mm)	行程 Stroke (mm)	下降速度 Descending Speed (mm/sec)	加壓速度 Pressing Speed (mm/sec)	上昇速度 Ascending Speed (mm/sec)	馬達 Motor (HP)
YCT-H10	10	550X425	450	300	120	10	100	3
YCT-H20	20	600X425	450	300	120	15	100	7.5
YCT-H30	30	600X500	450	300	120	14	100	10
YCT-H50	50	700X600	500	350	120	14	120	15
YCT-H100	100	750X600	600	400	120	14	120	20
YCT-H150	150	900X700	800	550	120	14	120	25
YCT-H200	200	1000X800	800	600	120	10	120	30
YCT-H300	300	1000X800	800	600	120	10	120	40

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CNC 高功率光纖雷射切割機 AL-CE CNC FIBER LASER CUTTING MACHINE AL-CE

符合CE、UL 標準安規，精心打造出最優質的光纖雷射技術、電腦技術、精密機械技術於一體的高端雷射切割機。

【產品優勢】——高精度、高效率、高穩定性能

1. 模組化控制系統、控制精準、反應迅速
2. 切割速度快，斷面平整、生產成本低
3. 優化除塵系統，創造良好的工作環境
4. 全自動交換平台，智能、高效、便捷
5. 機電一體化、操作簡便、節省空間
6. 進口電腦操作系統，高端伺服電機，穩定高效
7. 全系列標配安全門，符合國際電控安全標準
8. 全系列標配切割區域監控攝影機，隨時監測
9. 全系列標配氣壓檢測、冷水機、雷射器錯誤警報，控制安全可靠
10. 全系列標配高壓比例閥，氧氣、氮氣、自動切換，設備整體集成性強

規格 SPECIFICATION

型式 TYPE (MODEL)	雷射功率 LASER POWER (W)	工作台面 TABLE SIZE (mm)	總裝機耗電功率 TOTAL POWER CONSUMPTION (KW)	外觀尺寸(長x寬x高) PACKING SIZE (L x W x H) (mm)
YC-AL3015CE	3000-12000 (可選) (Optional)	3000*1500	25<80	8800*3000*2000
YC-AL4020CE/4025CE	3000-12000 (可選) (Optional)	4000*2000/4000*2500	25<80	10000*3500*2000/ 11000*3900*2000
YC-AL6020CE/6025CE	3000-12000 (可選) (Optional)	6000*2000/6000*2500	25<80	15100*3500*2000/ 15100*4000*2000



雙平台雷射切割機 LS-CE

FIBER LASER CUTTING MACHINE LS-CE

符合CE、UL 標準安規，精心打造出最優質的光纖雷射技術、電腦技術、精密機械技術於一體的高端雷射切割機。

規格 SPECIFICATION

型式 TYPE (MODEL)	雷射功率 LASER POWER (W)	工作台面 TABLE SIZE (mm)	總裝機耗電功率 TOTAL POWER CONSUMPTION (KW)	外觀尺寸(長x寬x高) PACKING SIZE (L x W x H) (mm)
YC-LS3015CE	500-12000 (可選) (Optional)	3000*1500	12<80	8800*3000*2000
YC-LS4020CE/4025CE	500-12000 (可選) (Optional)	4000*2000/4000*2500	12<80	10000*3500*2000/ 11000*3900*2000
YC-LS6020CE/6025CE	500-12000 (可選) (Optional)	6000*2000/6000*2500	12<80	15100*3500*2000/ 15100*4000*2000



單平台雷射切割機 LS FIBER LASER CUTTING MACHINE LS

規格 SPECIFICATION				
型式 TYPE (MODEL)	雷射功率 LASER POWER (W)	工作台面 TABLE SIZE (mm)	總裝機耗電功率 TOTAL POWER CONSUMPTION (KW)	外觀尺寸 (長x寬 x 高) PACKING SIZE (L x W x H) (mm)
YC-LS3015	500-4000 (可選) (Optional)	3000*1500	12<30	4800*2300*2000
YC-LS4015/4020	500-4000 (可選) (Optional)	4000*1500/4000*2000	12<30	6000*2700*2000/ 6000*3200*2000
YC-LS6015/6020	500-4000 (可選) (Optional)	6000*1500/6000*2000	12<30	8100*2300*2000/ 8300*3200*2000



YEH CHIUN

油壓合模機系列

HYDRAULIC DIE SPOTTING PRESS SERIES



YEH CHIUN

特點

1. 中座翻轉台盤自動翻轉180度系統。
2. 氣動式中座上極限安全鎖。
3. 中座翻轉台盤油壓固定鎖。
4. 下工作台盤油壓定位鎖定系統。
5. 下工作台盤自動集線裝置。
6. 光學尺精密定位裝置。
7. 自動控制，人機介面操作系統。
8. 比例閥、壓力、流量系統。
9. 比例電子閥精密合模系統。
10. 滑道防塵伸縮式護罩。
11. 中座滑道自動潤滑系統。



FEATURES

1. Slide table reverse 180° system.
2. Pneumatic slide TDC lock.
3. Slide table hydraulic lock.
4. Bolster hydraulic positioning lock system.
5. Bolster automatic hub device.
6. Optical scale precision positioning device.
7. Automatic Human-machine interface operation system.
8. Ratio valve, pressure and flow system.
9. Ratio electric valve precision die spotting system.
10. Slide dust proof expansion sheath.
11. Slide glide-path automatic lubrication system.

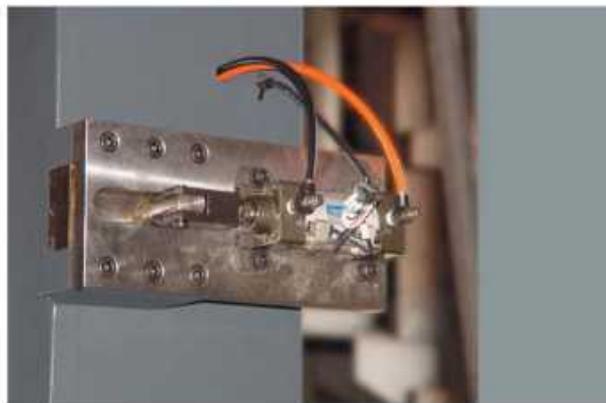


油壓合模機系列附件說明

HYDRAULIC DIE SPOTTING PRESS SERIES ACCESSORIES



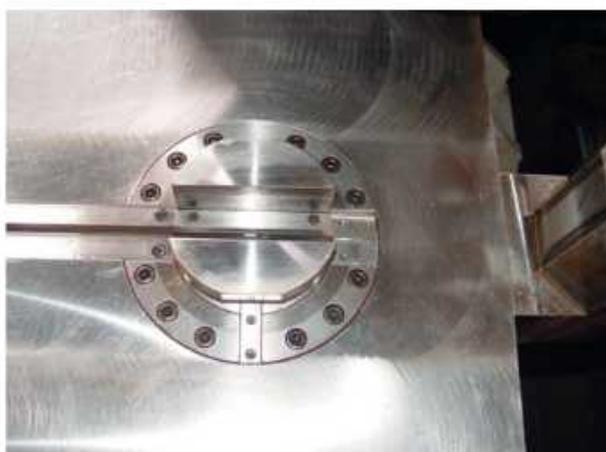
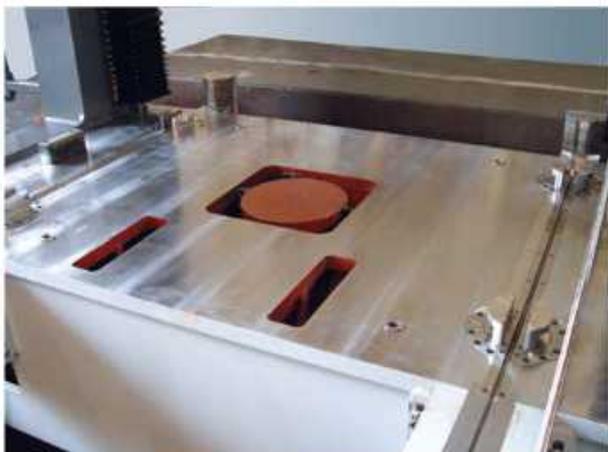
▲中座翻轉台盤油壓固定鎖
Slide table hydraulic lock



▲氣動式中座上極限安全鎖
Pneumatic slide TDC lock



▲人機介面操作系統
Human-machine interface operation system



▲下工作台盤油壓定位鎖定系統
Bolster hydraulic positioning lock

規格 SPECIFICATION

型式 Type (Model) YCT-DS	加壓能力 Pressing Capacity (Ton)	上升能力 Ascending Capacity (Ton)	工作台面積 Table Area (mm)	最大開距 Daylight (mm)	行程 Stroke (mm)	反轉能力 Reverse Capacity (Ton)	反轉角度 Reverse Angle (°)	移載能力 Load Capacity (Ton)	馬力 Motor (HP)
YCT-50/75 DS	50/75	24	1000X800	1000	1000	2	90/180	4	10
YCT-100 DS	100	28	1300X1000	1200	1200	2.5	90/180	5	15
YCT-100 DS	100	32	1600X1200	1300	1300	3	90/180	6	15
YCT-150 DS	150	35	1600X1200	1500	1500	4	180	8	20
YCT-150 DS	150	38	1800X1300	1600	1600	5	180	11	25
YCT-200 DS	200	40	2000X1500	1700	1700	7	180	15	30
YCT-200 DS	200	45	2500X1500	2000	2000	10	180	20	30
YCT-300 DS	300	60	3000X2000	2500	2500	15	180	30	40
YCT-500 DS	500	80	3600X2400	2700	2700	20	180	40	50

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晔俊工業股份有限公司
YEH CHIUN INDUSTRIAL CO., LTD.

經銷商(AGENT):



YEH CHIUN

油壓切角機 YCE 系列

**HYDRAULIC NOTCHING MACHINE
YCE SERIES**

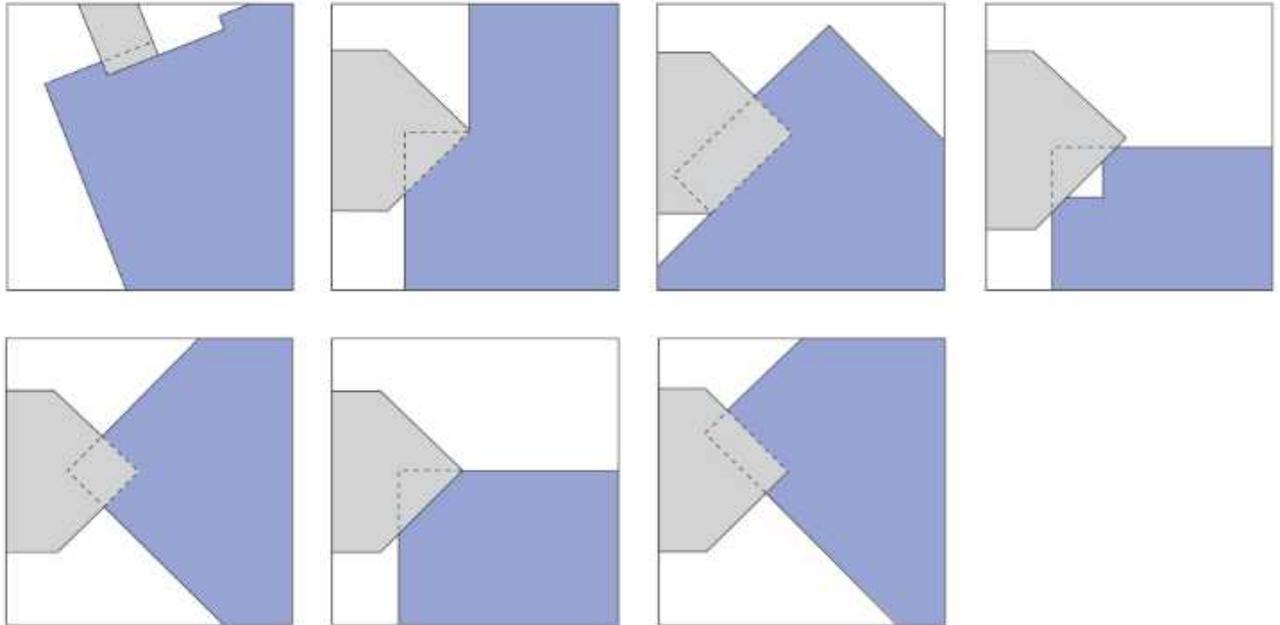


**暉俊工業股份有限公司
YEH CHIUN INDUSTRIAL CO., LTD.**

YEH CHIUN

適用於下示圖軟鋼、不繡鋼板切角及切緣

Applicable in cutting angles, edges of soft steel and plates shown in below drawings.



規格 YCE SERIES SPECIFICATION

型 式 MODEL		YCE-220	YCE-220S
尺 寸 SIZE	最 大 MAX. CUTTING ANGLE (SS400) (mm)	45° X 220 X 220	6.0 X 220 X 220
	切 角 MAX. CUTTING EDGE (SS400) (mm)	20 X 50 X 100	3.0 X 50 X 100
行 程 STROKE	最 大 (mm)	50	60
馬 達 MOTOR	切 邊	3HP	5HP
油 壓 HYDRAULIC	沖 壓 缸 出 力 CYLINDER	15 TON	20 TON
	沖 壓 壓 力 MAX. PRESSURE	140 KG/cm ²	140 KG/cm ²
	回 油 泵 PUMP	30 l/MIN(60HZ)	30 l/MIN(60HZ)
		25 l/MIN(50HZ)	25 l/MIN(50HZ)
油 箱 容 積 TANK	40 l	40 l	
毛 重 GROSSWEIGHT		950KG	1000KG
裝 箱 尺 寸 (長 × 寬 × 高) BOXING SIZE (mm)		1170 X 990 X 1300	1170 X 990 X 1300

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YEH CHIUN INDUSTRIAL CO., LTD.

AGENT:

- **可調式油壓雙彎鈹機YCL-S系列**
ADJUSTABLE HYDRAULIC DOUBLE FOLDING MACHINE YCL-S SERIES
- **油壓彎鈹機YCL系列**
HYDRAULIC FOLDING MACHINE YCL SERIES
- **手動折床YCB系列**
MANUAL FOLDING MACHINE YCB SERIES





可調式油壓雙彎鈹機 YCL-S 系列



■ 主要用途

1. OA鋼製鐵櫃箱體
2. 大型刀庫工具庫箱體
3. 冷凍、冷氣箱體

■ MAIN PURPOSE:

1. OA steel case and cabinet
2. Tooling storage box and cabinet
3. Refrigeration and air conditioner cabinet

■ 落地式操作箱面板說明

- 電源指示燈：電源有無入力的指示。
 - 手動、自動：手動為檢視每個動作是否有異常或試料用，自動為正式生產。
 - 電源開關：開關電源力入。
 - 前進、寸動：翻板的動作，選擇前進或寸動。
 - 泵浦啟動：油壓馬達的開啟開關。
 - 泵浦停止：油壓馬達的停止開關。
 - 緊急停止：動作停止。
 - 彎板（左、右）：在手動模式選擇左邊或右邊機台動作。
彎板（單邊、一行程、雙邊）
 - 單邊：在自動模式下，選擇彎板左或右，機台做單一折彎。
 - 一行程：在自動模式下，上座同時下降至定位點，先做右邊成型再做左邊成型完成後，上座同時上昇。
 - 雙邊：在自動模式下，上座同時下降至定位點，左右兩邊同時成型。
 - 長度參數：所需成型，工作之中間尺寸。
- ▶ 可調距: 380 ~ 1050 mm
- ◎ 油壓同步彎折
 - ◎ 前規位置可互換

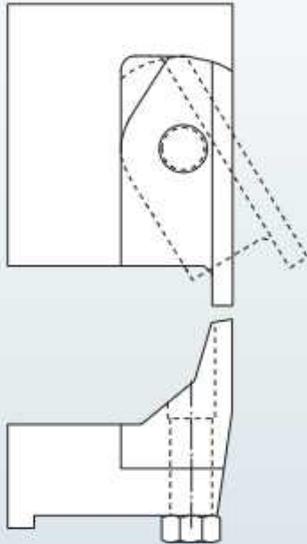


■ FLOOR TYPE OPERATION PANEL DESCRIPTION:

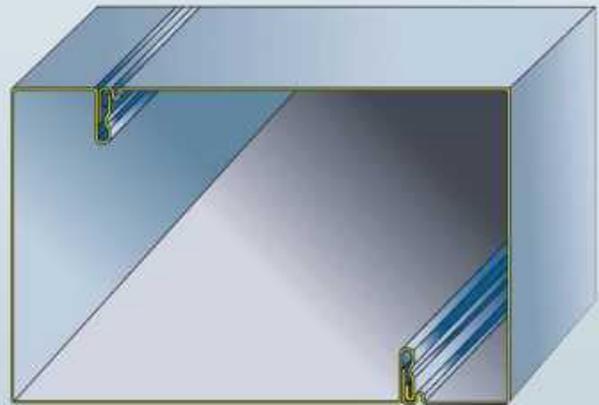
- Power on/off indicator light: show status of power input.
 - Manual / Automatic switch: Manual is used to test or check exceptional situation in machine, automatic is for productions.
 - Power switch: Turn power on and off.
 - Forward / forward inching switch: mode of folding, Operator can select forward or forward inching.
 - Pump start button: power on for hydraulic pump.
 - Pump stop button: power off for hydraulic pump.
 - Emergent stop button: for emergency stop.
 - Folding (Right / Left): Can specify left side or right side to be in action.
Folding (single side, single cycle, double side)
 - Single side: Under automatic mode, operator can select to fold right or left side of steel plate.
 - Single cycle: Under automatic mode, upper tools descend to preset position automatically, folding the right side of plate, then left side of plate and then upper tool ascend to original position automatically.
 - Double side: Under automatic mode, upper tool descend to preset position and folding the right side and left side of plate in the same time.
 - Length parameter: Medium dimension of the plate to be folded.
- ▶ Range of adjustable: 380 ~ 1050 mm
- ◎ Hydraulic synchronous folding
 - ◎ Gauge position is interchangeable



■ 活葉組立圖
DUAL POSITION BLADE



■ 成品例
APPLICATION SAMPLES



■ 規格 SPECIFICATION

型號 Model	板曲尺寸 Folding Length (mm)	板曲能力 Folding Capacity (mm)	最小彎度 Minimum Folding	彎曲角度 Folding Angle	主馬達 Main Motor (HP)
YCL-860S	860	2	90°	任何角度 Any Angle	3
YCL-1060S	1060	2	90°	任何角度 Any Angle	3
YCL-1260S	1260	2	90°	任何角度 Any Angle	5
YCL-1560S	1560	3	90°	任何角度 Any Angle	5

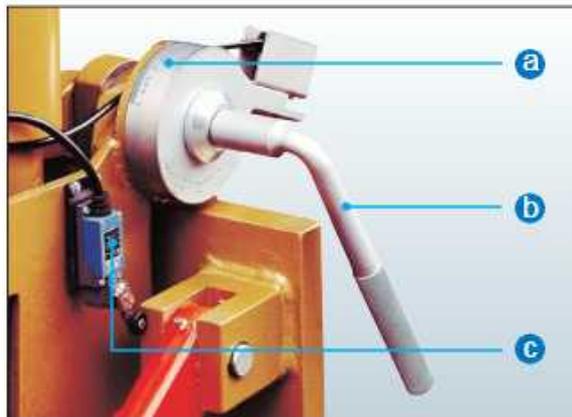
油壓彎鈹機 YCL 系列



■主要用途 MAIN PURPOSES

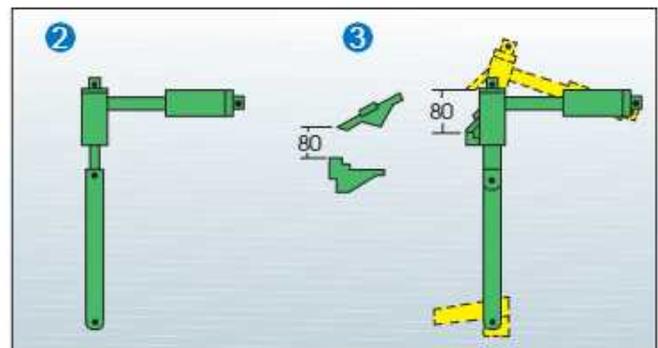
1. 空調風管 Air conditioning duct
2. 冷凍庫體、車箱 Refrigerator body and truck body
3. 組合式高隔間板 Modular furniture panels

- ① 角度由 $180^{\circ} \sim 60^{\circ}$ 可以調整
Angle adjustable from $180^{\circ} \sim 60^{\circ}$



- a. 刻度盤 Index plate
- b. 刻度盤把手 Handle of index plate
- c. 折曲彎鈹停止開關 Turning plate stop switch

- ② 插入空間的四種特殊方向調整方法才是最簡單的操作。
The special four directions adjustment method for space of insertion is simplest operation.



- ③ 金屬鈹的插入空間為其他相同機器空間之五倍。

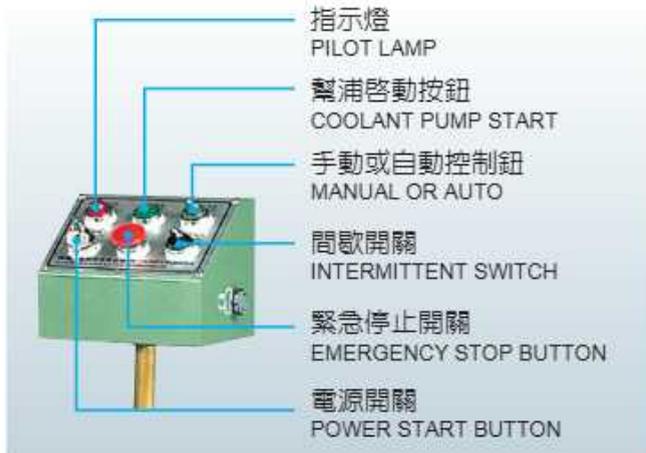
The space for insertion of the sheet metal is 5. times of the space to other similar machines.

- ④ 刀片係凹凸栓相接，因此全部刀片之應力能夠一致而無鬆弛現象，此外刀片長度可按需要而加以調整及組合，特殊的凹口在設計上可符合箱型彎曲過程之需要。

Blades are connected with convex bolt, so the stress of whole blade set is unified without being loosen. Besides, the blade length can be adjusted and assembled according to the requirement. Special notch is designed to meet for folding process of box-shaped workpiece.

⑤ 油脂潤滑裝置 Grease lubricating device

⑥ 控制箱 Controller box



⑦ 折曲彎板座固定螺絲

Fixing screw of turning plate

⑧ 調整折曲彎板上下緊迫螺絲

Up & down screws to adjust the folding plate

⑨ 機油潤滑裝置

Motor oil lubricating device

⑩ 油壓腳踏開關

Oil pressure pedal switch

a. 成型腳踏開關

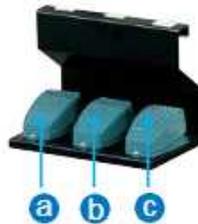
Forming pedal switch

b. 下降腳踏開關

Descending pedal switch

c. 上升腳踏開關

Ascending pedal switch



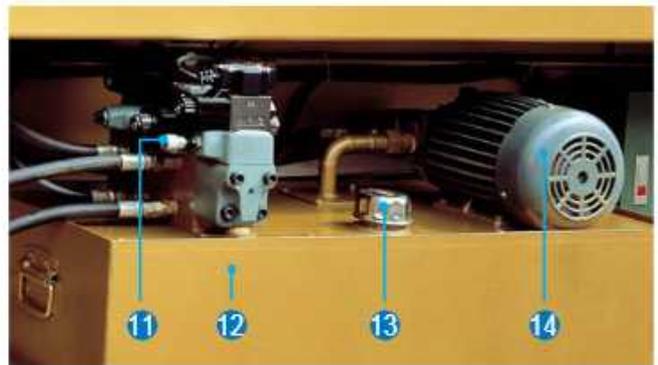
⑪ 壓力調整閥

Pressure adjusting valve

⑫ 油箱 Oil box

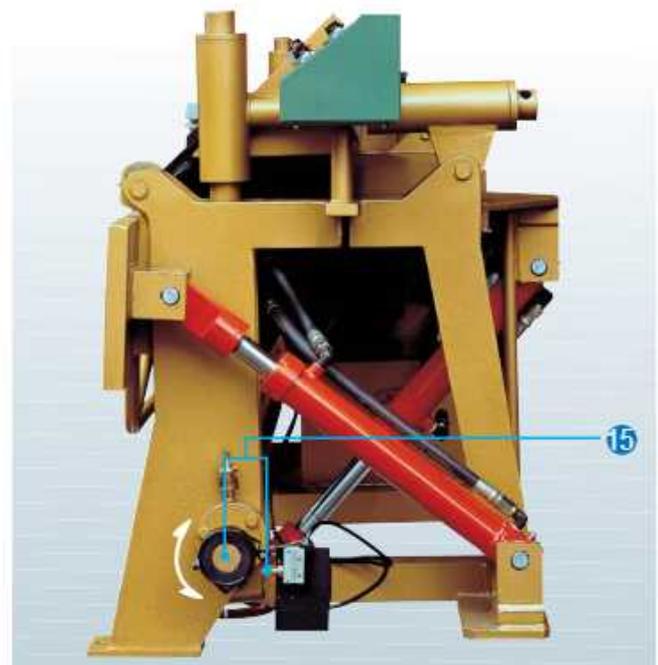
⑬ 加油口 Oil mouth

⑭ 馬達 Motor



⑮ 刀口高度調整開關

Blade height adjusting switch



規格 SPECIFICATION

型號 Model	板曲尺寸 Folding Length (mm)	板曲能力 Folding Capacity (mm)	最小彎度 Minimum Folding	彎曲角度 Folding Angle	重量 Weight (Kgs)	主馬達 Main Motor (HP)	裝箱尺寸 Packing Size(mm)		
							長 (L)	寬 (W)	高 (H)
YCL-1230	1230	1.6	60°	任何角度 Any Angle	650	3	2050	850	1250
YCL-1830	1830	1.6	60°	任何角度 Any Angle	1000	3	2700	850	1250
YCL-2030	2030	1.6	60°	任何角度 Any Angle	1200	3	2850	850	1250
YCL-2440	2440	1.6	60°	任何角度 Any Angle	1500	3	3300	850	1300
YCL-3030	3030	1.6	60°	任何角度 Any Angle	2500	3	3900	850	1350
YCL-4000	4000	1.6	60°	任何角度 Any Angle	3800	3	4800	1000	1500
YCL-4500	4500	1.6	60°	任何角度 Any Angle	4200	5	5300	1200	1800
YCL-5000	5000	1.6	60°	任何角度 Any Angle	5600	5	5800	1200	1600
YCL-6000	6000	1.6	60°	任何角度 Any Angle	7000	5	7000	1200	1800

手動折床 YCB系列

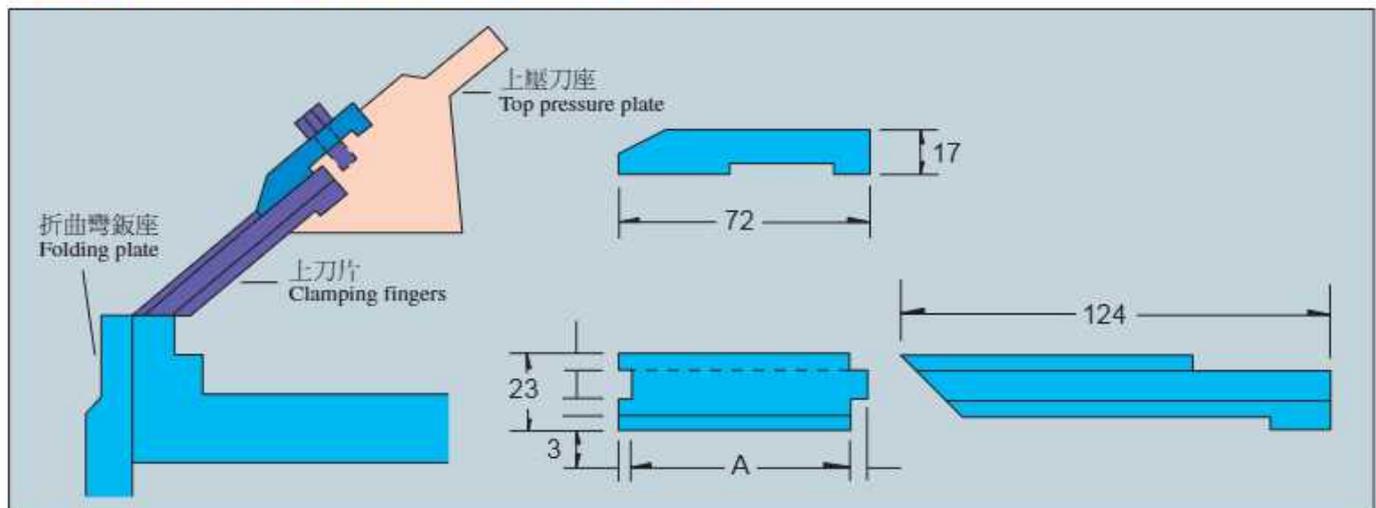


彎曲能力 FOLDING CAPACITY

A : 薄鋼板 Mild steel
B : 不鏽鋼板 Stainless steel

單位：片數 / mm
UNIT: PIECE/mm

型式 S	厚度 T	長度 L				
		1mm	1.2mm	1.6mm	1.8mm	2mm
YCB-1230	A	1230	1230	1000	800	600
	B	1000	800	700	600	400
YCB-1830	A	1830	1500	1200	1000	800
	B	1600	1200	1000	800	600
YCB-2030	A	2030	1600	1400	1200	1000
	B	1800	1400	1200	1000	800
YCB-2440	A	2440	2200	2200	1800	1600
	B	2200	2000	1800	1600	1400
YCB-3030	A	3030	2800	2600	2400	2200
	B	2800	2600	2400	2200	2000

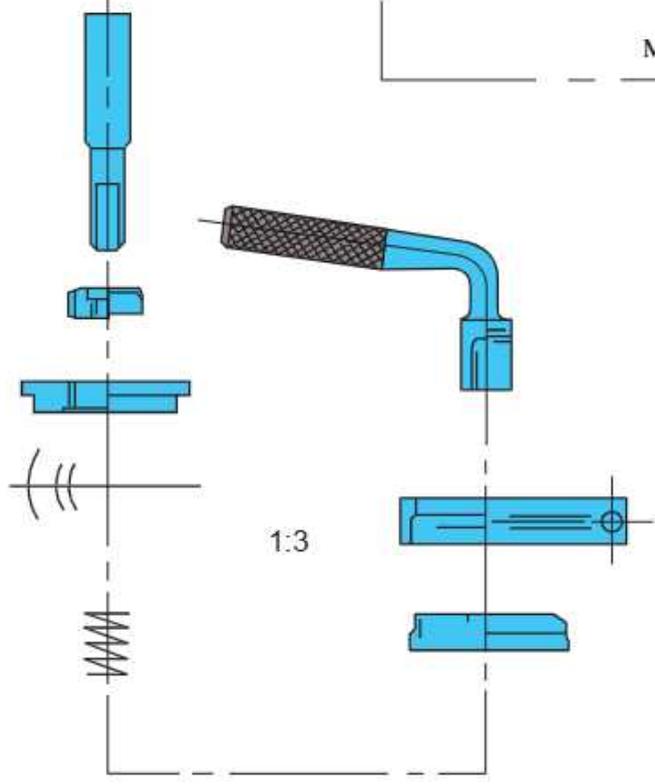
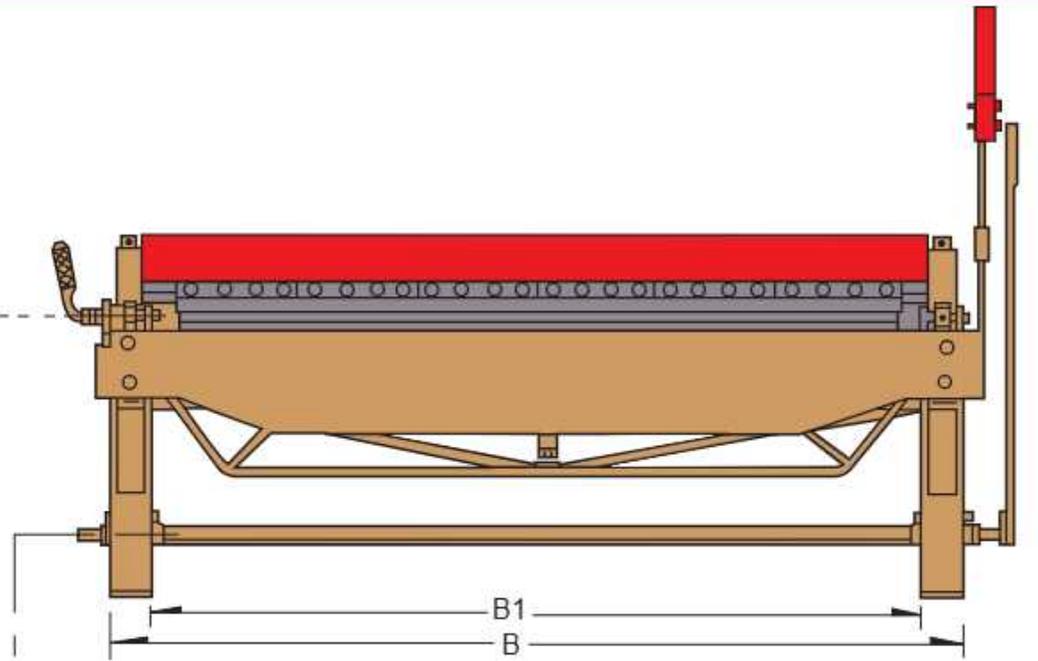
上壓刀座 UPPER CLAMPING FINGERS

上壓刀座刀片尺寸 PRESSURE KNIFE

單位：片數 / mm
UNIT: PIECE/mm

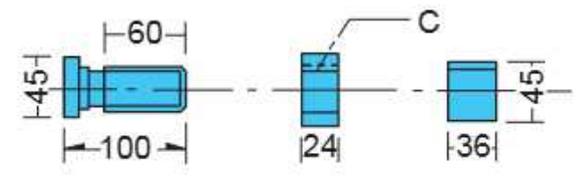
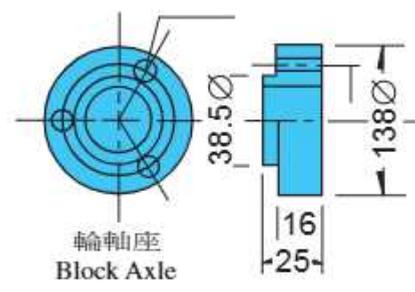
型式 TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13
長度 LENGTH	45	75	95	115	135	165	175	200	235	250	295	315	345

規格 SPECIFICATION

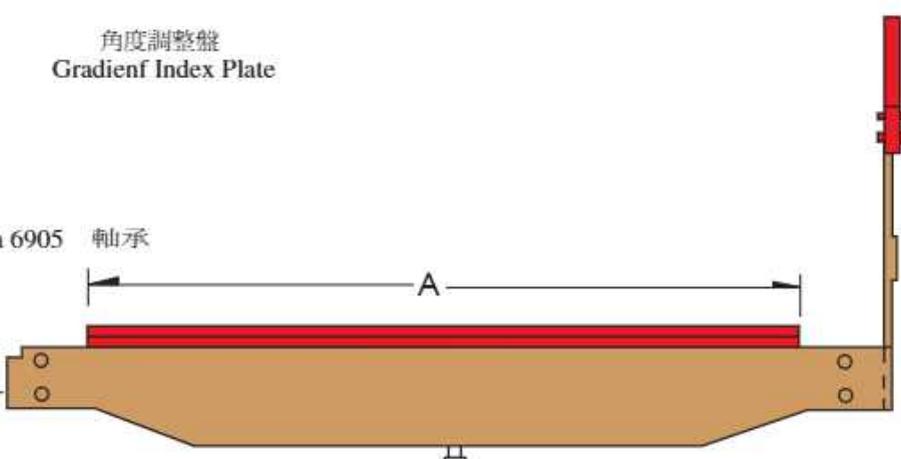
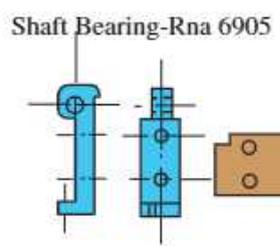
型號 Model	板曲尺寸 Folding Length (mm)	板曲能力 Folding Capacity (mm)	重量 Weight (Kgs)	最小彎度 Minimum Folding	彎曲角度 Folding Angle	裝箱尺寸 Packing Size(mm)		
						長(L)	寬(W)	高(H)
YCB-1230	1230	1.6	550	60°	任何角度 Any Angle	2080	850	1250
YCB-1830	1830	1.6	900	60°	任何角度 Any Angle	2700	850	1250
YCB-2030	2030	1.6	1000	60°	任何角度 Any Angle	2850	850	1250
YCB-2440	2440	1.6	1250	60°	任何角度 Any Angle	3300	850	1250



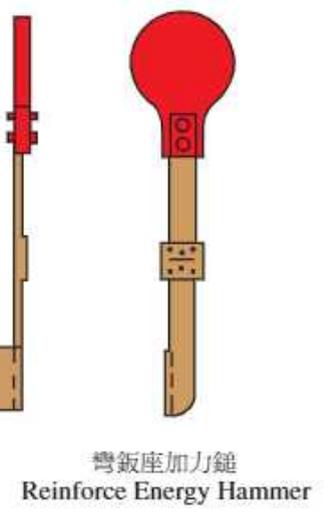
角度調整盤
Gradient Index Plate

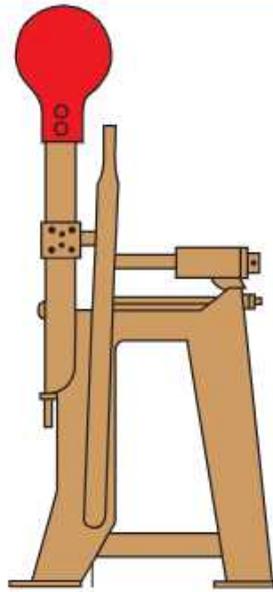


角度緊迫螺絲
Reinforcement Screw

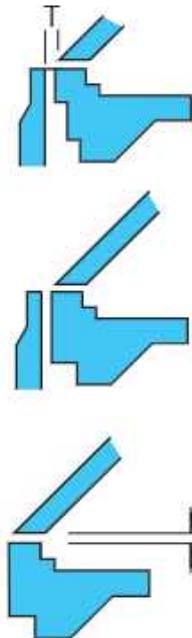
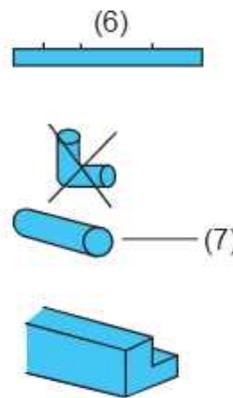
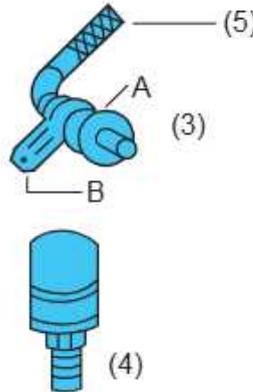
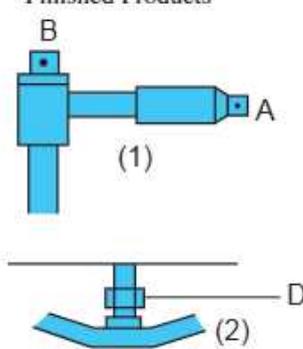


角度補償
Angle Compensate C





機器調整方法說明

**Machine Processing Method-Illustrations
Finished Products**

 偏心壓力桿
Eccentric Pressure Rod

 上壓刀座鬆緊調整螺絲
Pressure Adjustment Screw

使用及維護說明：

1. 調整壓力板的厚度：利用附件（板手）將B件向四方調整到適當的大小。
2. 調整彎板座螺絲（D）能承受適當壓力（可補正角度）。
3. 角度調整：①使指標刻度指向所需的角。
②調整容差角度（B）到達所需角。
③分度盤（內部有120個刻度齒）。
4. 潤滑軸承。
5. 分度盤緊壓把手。
6. 在彎曲加工時應注意在加工物件上不得有焊接點或突出物。
7. 不得加工圓鐵及棒類。

附註：本機器在設計上具有多項功能，可以彎曲任何不同角度之需要。鋼製傢俱、冷氣冷凍箱、空調四方管及補強線折曲。其特殊功能，可用來製造任何角度、直線、或弧型的箱子，以因應客戶之需求本公司製造此機種已有二十多年的經驗，每一機件均經本公司精心設計研發。

※ 本公司不斷研究改進，若規格有任何更改，恕不另行通知。

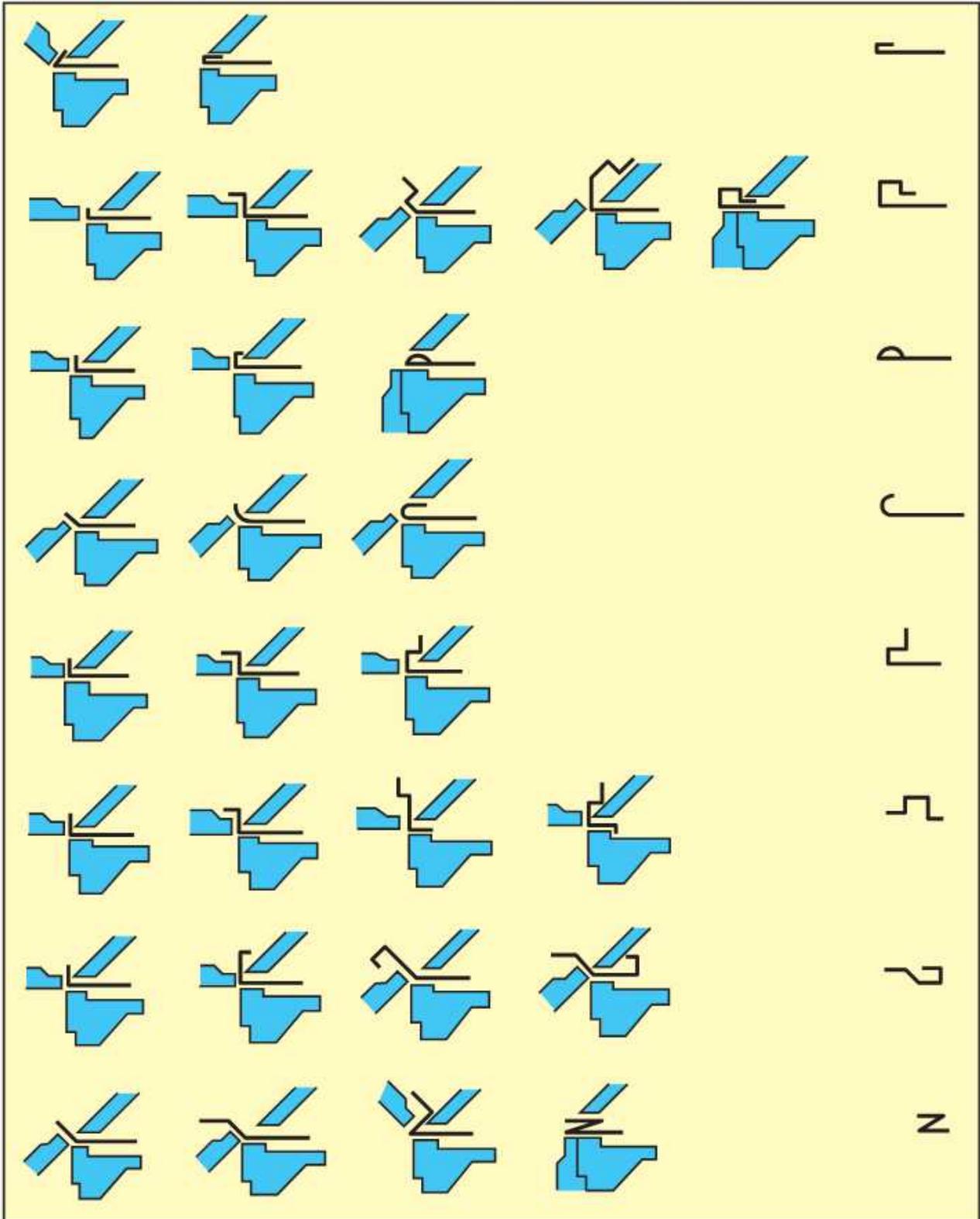
Directions of Use and Maintenance:

1. To adjust the thickness of pressure plate: Adjust properly the part B in four directions with the accessory (wrench rod).
2. To adjust folding plate screw (D) for bearing properly the pressure.
3. Angle adjusting: (1) Make index graduation aim at the required angle.
(2) Adjust tolerance angle screw B to the required angle.
4. Lubricating for the shaft bearing.
5. Be sure to tighten screw for the index plate. (There are 120 graduations inside)
6. Take note that the material to be folded is free of welding spots or other spots on the surface.
7. Rod and round iron are not allowed.

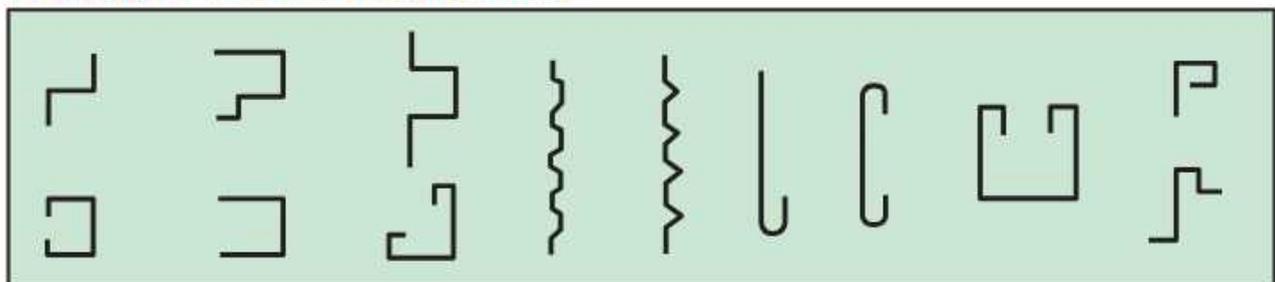
Remark: This machine is designed with multi-function for angle bending, box folding, & edge folding, etc. With special function, it can be operated for all angled, straight lined, and curvature shaped boxes. It is manufactured by us with twenty yearlong of experience. Each part of the machine is designed carefully by our company without imitation to any design or style of domestic and overseas factories.

※ Under our continuous R&D, for any change in specifications without prior notice.

■ 折曲形狀簡單範例 ILLUSTRATIONS OF TYPICAL FOLDING PROCESS



■ 彎鈹樣本 FOLDING SAMPLES





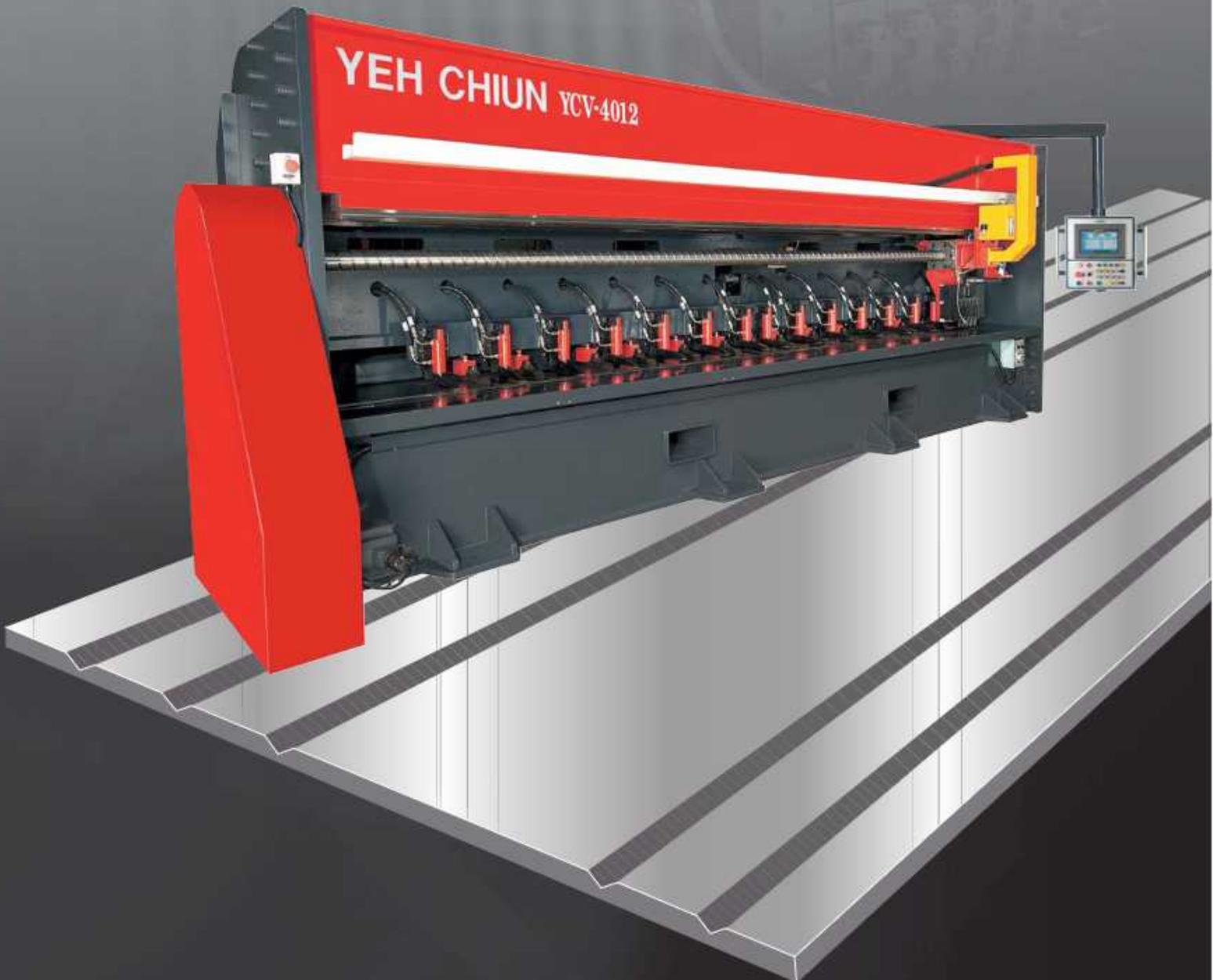
晔俊工業
YEH CHIUN INDUSTRIAL

CNC 3 AXES CONTROL

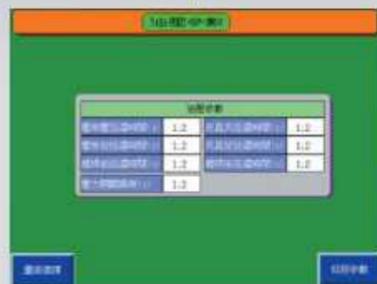
V PLANNER

YCV SERIES

CNC三軸同步控制刨V槽專用機



觸控式人機介面系統
Human machine interface system



CNC三軸控制 不鏽鋼板 刨V槽專用機 YCV SERIES

本機為不鏽鋼及其他金屬板材，加工折曲銳角之刨V槽的專用機械設備。

特點：

1. 機械長度視加工物之長短設定，刨刀行程可自行設定。刨刀運轉速度平穩、安全且快速。
2. CNC三軸同步控制，可半自動、自動加工。
3. 半自動、自動夾、壓、鬆開板料，一次完成。
4. 刨刀與壓板距離微小(3mm)，所刨出的V槽極為均勻、平整。
5. 操作簡便，無經驗或女性人員在操作學習時，容易上手，輕鬆省時又省力。
6. 低噪音迴路系統，可在工業區或工業大樓裡使用，無噪音之慮。
7. 本機對金屬板料進行V型開槽，使折彎後的工件得到非常小的R圓角，使長板料及特殊折彎板料在較小噸位折彎機也能進行折曲並保證精度。

CNC 3 AXES CONTROL STAINLESS STEEL PLATE V PLANER YCV SERIES

FOR PROCESSING ACUTE ANGLE OF V SLOT OF STAINLESS STEEL AND OTHER KIND OF METAL MATERIAL.

FEATUERS:

1. Processing length depends on working piece length. Planer tool's stroke is adjustable. Planer working speed is stable and fast.
2. CNC 3 axes control, with semi-auto/auto processing function.
3. Be able to clamp and hold the working piece in semi-auto/auto function. All operation can be done in once.
4. The distance between planer tool and pressing plate is very small (3mm). The planned V slots are even.
5. Easy to operate. Amateurs or female workers also can operate the machine easily.
6. Low noise. Be able to operate the machine in industrial buildings.
7. After planning the V slots on sheets, it can use small tonnage hydraulic press brake to bend the sheet.



X-Y-Z微調手輪
X-Y-Z micro-adjusting hand wheel



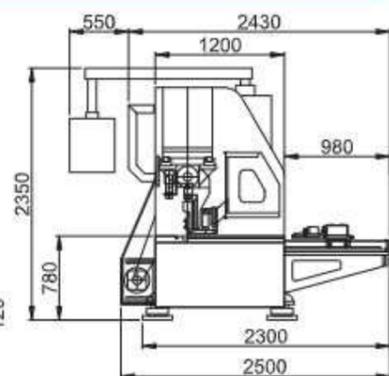
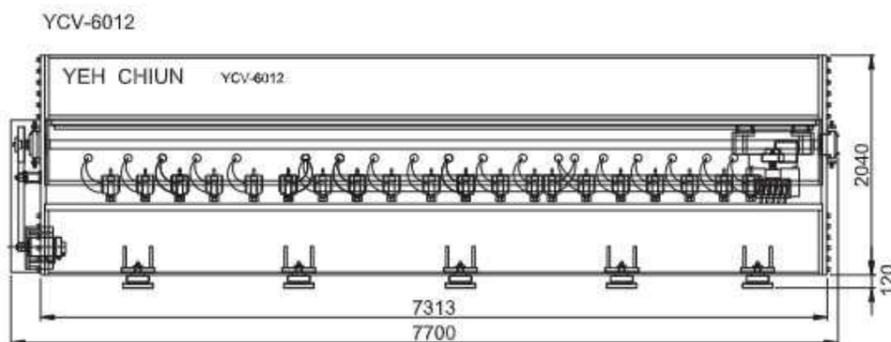
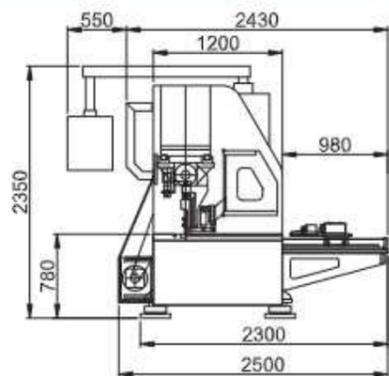
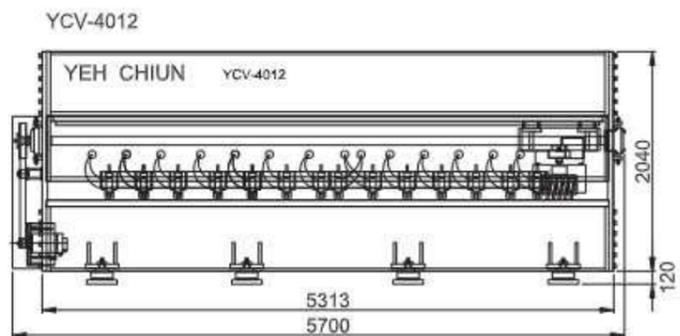
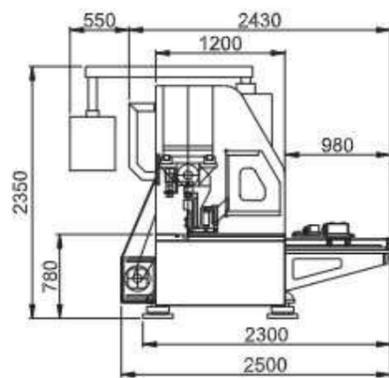
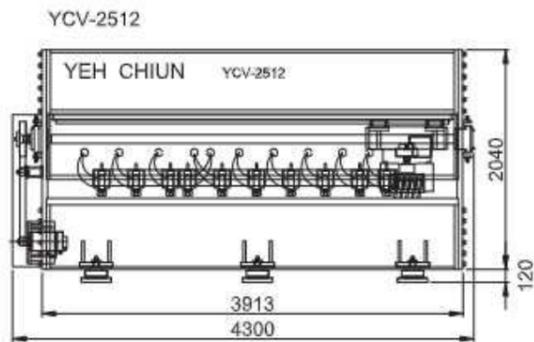
可棄式刀具
Disposable planer tool



刨刀座 Planer tool seat

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

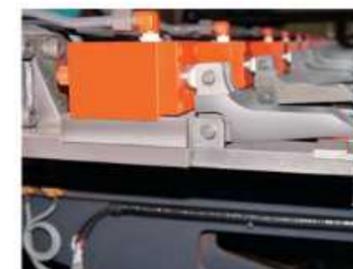
機械規格尺寸 Machine Specifications and Dimensions



五刀式刨槽機 較同等機型提高4-5倍生產效率 5 PLANER-TOOL PLANER 4~5 TIMES HIGHER MANUFACTURING EFFICIENCY



後拖料AC伺服馬達傳動結構
Back sheet support AC servo motor driven structure



後拖料夾具組
Back sheet support clamp



前油壓夾具 (壓板)
Front hydraulic clamp (pressing plate)



主機螺桿輔助汽缸組
Main screw auxiliary cylinder set



主機螺桿輔助結構
Main screw auxiliary structure



噴氣油霧系統
Air and cutting oil spraying system

機 種 TYPE (Model)		YCV-2512	YCV-4012	YCV-6012
加工能力 CAPACITY	材 料 MATERIAL	SUS304 (不銹鋼板)		
	板 長 度 LENGTH (mm)	300-2500	300-4000	300-6000
	板 寬 度 WIDTH (mm)	30-1200		
	板 厚 度 THICKNESS (mm)	1.5~2.0 (3mm特殊規格 3mm is for special usage)		
機 械 規 格 MACHINE SIZE	機 械 本 體 / 重 量 MACHINE / NW (L x H x W / mm) (Ton)	3880 x 2000 x 2300 / 10t	5400 x 2135 x 2300 / 18t	8080 x 2350 x 2300 / 25t
	油 壓 迴 路 (箱) / 重 量 HYDRAULIC CIRCUIT / NW (L x H x W / mm) (kg)	860 x 600 x 600 / 110kg		
	控 制 盤 / 重 量 CONTROL PANEL / NW (L x H x W / mm) (kg)	1660 x 600 x 550 / 140kg		
	操 作 盤 / 重 量 OPERATION PANEL / NW (L x H x W / mm) (kg)	420 x 490 x 270 / 20kg		
加工速度 SPEED	正 常 切 削 NORMAL CUTTING SPEED (M / Min)	25-40		
	最 快 切 削 FASTEST CUTTING SPEED (M / Min)	25-40		
	送 板 後 退 DELIVERY SHEET BACKWARD SPEED (mm / Min)	300-600		
	送 板 前 進 DELIVERY SHEET FORWARD SPEED (mm / Min)	300-600		
MOTOR	主 機 切 削 MAIN MOTOR (kW)	AC SERVO MOTOR 9.1kw		
	送 板 定 位 POSITIONING MOTOR (kW)	AC SERVO MOTOR 2.0kw		
	進 刀 PLANER TOOL MOTOR (kW)	AC SERVO MOTOR 0.4kw		
	油 壓 HYDRAULIC MOTOR (kW)	3.75kw		

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High Technology Machine



晔俊工業
YEH CHIUN INDUSTRIAL

CNC HIGH PRECISION SERVO PRESS BRAKE EPB SERIES

CNC 高精密電機伺服折床



CNC 電機伺服折床 EPB系列 CNC Servo Press Brake EPB Series



雙軸式
Twin-motor



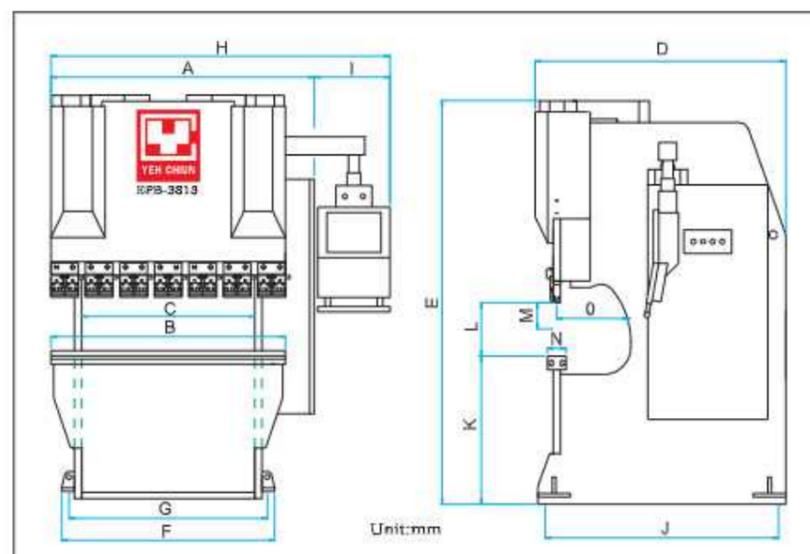
單軸式
Single-motor



TD0400H5

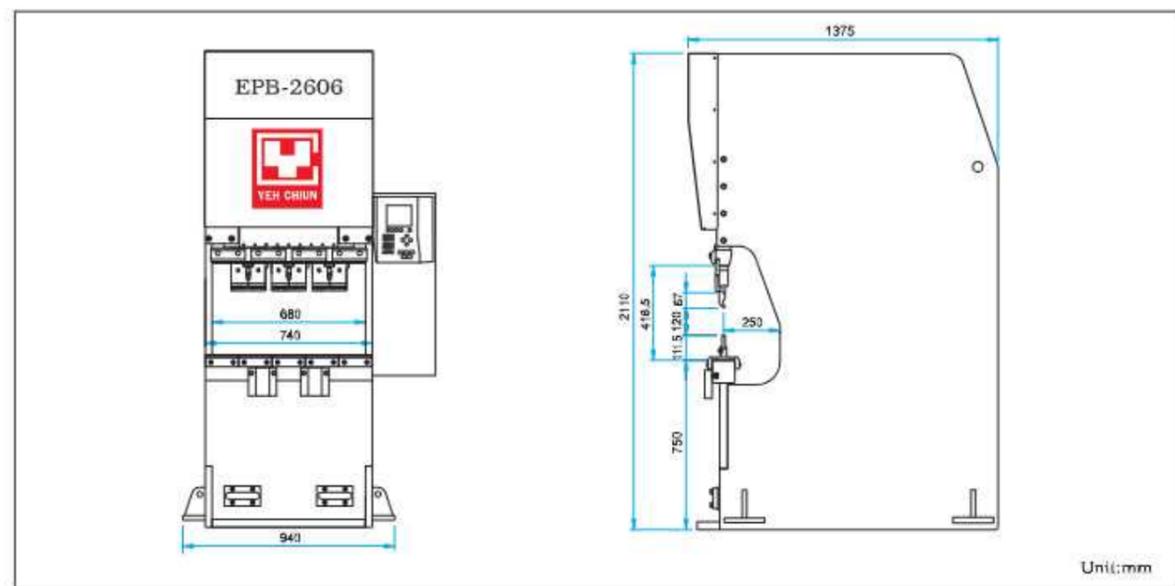
機械規格尺寸 Machine Specifications and Dimensions

Item 規格	型式 (Model)	EPB-2606	EPB-3813	EPB-5816	EPB-5820	EPB-8025
曲折能力 Capacity	(ton)	26	38	58	58	80
折曲長度 Bending Length	(mm)	600	1300	1600	2000	2500
行程 Stroke Length	(mm)	120	120	120	160	160
速度 Speed	下降 Lowering	(mm/s)	1~150	1~150	1~120	1~120
	加壓 Pressing	(mm/s)	0.2~10	0.2~10	0.2~10	0.2~10
	回昇 Return	(mm/s)	100~150	100~150	100~150	100~150
AC伺服馬達 AC servo motor / (Y)	(kw)	4.2				
AC伺服馬達 AC servo motor / (Y1,Y2)	(kw)		4.2	4.6	4.6	7.2
角度定位精度 Angle Positioning Accuracy	(mm)	±0.01	±0.01	±0.01	±0.01	±0.01
後規 Backgauge	馬達 AC servo motor	(kw)	0.7	0.7	0.7	0.7
	定位精度 Positioning Accuracy	(mm)	0.03	0.03	0.03	0.03
	速度 Speed	(m/min)	MAX. 30	MAX. 30	MAX. 30	MAX. 30
	行程 Stroke	(mm)	250	250	250	250
R軸行程 R axis stroke	(mm)	100	100	100	100	100
重量 N.W.	(kg)	2330	3000	3600	4000	6000



機械尺寸 DIMENSIONS (mm)

	EPB-3813	EPB-5816	EPB-5820	EPB-8025
A	1450	1750	2150	2650
B	1300	1600	2000	2500
C	900	1100	1500	2000
D	1390	1450	1450	1500
E	2250	2450	2450	2490
F	1180	1480	1880	2380
G	1100	1400	1800	2300
H	1880	2200	2600	3100
I	420	420	420	420
J	1290	1350	1350	1400
K	820	900	900	900
L	325	325	345	345
M	95	95	95	95
N	103	103	103	103
O	410	250	250	250



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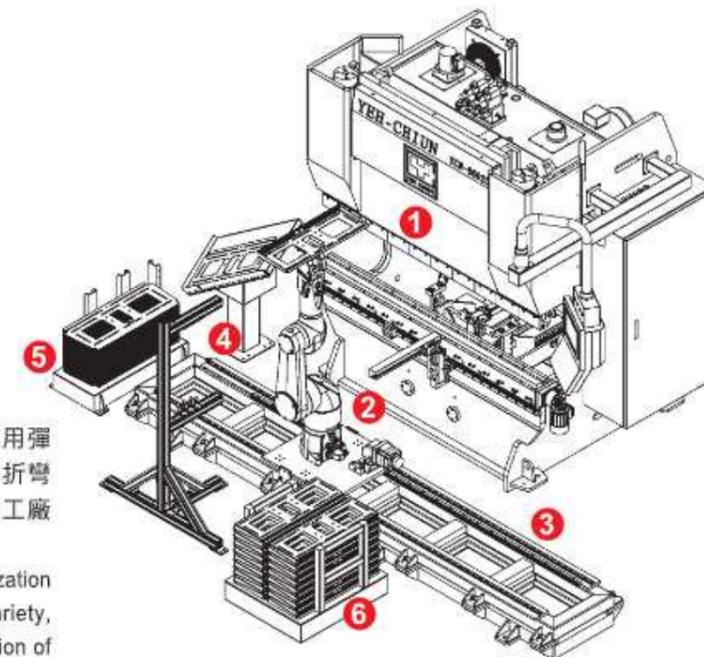
自動化折彎

Total Automation Solutions of Bending

量多樣繁 → 全自動智能折彎工作站

High Variety, High Volume Production → Auto Bending Cell

- 1 折床 Press Brake
- 2 機械手臂 Robot
- 3 移動軌道 Track
- 4 板件定位裝置 Repositioning Device
- 5 材料區 Material Station
- 6 成品擺放區 Product Unloading Zone



智能折彎工作站兼具制式化生產效能及個別化的運用彈性，可穩定、有效率地完成各種不同變化且複雜的折彎工程。自動化與智慧科技的結合，是未來邁向智慧工廠不可或缺的設備之一。

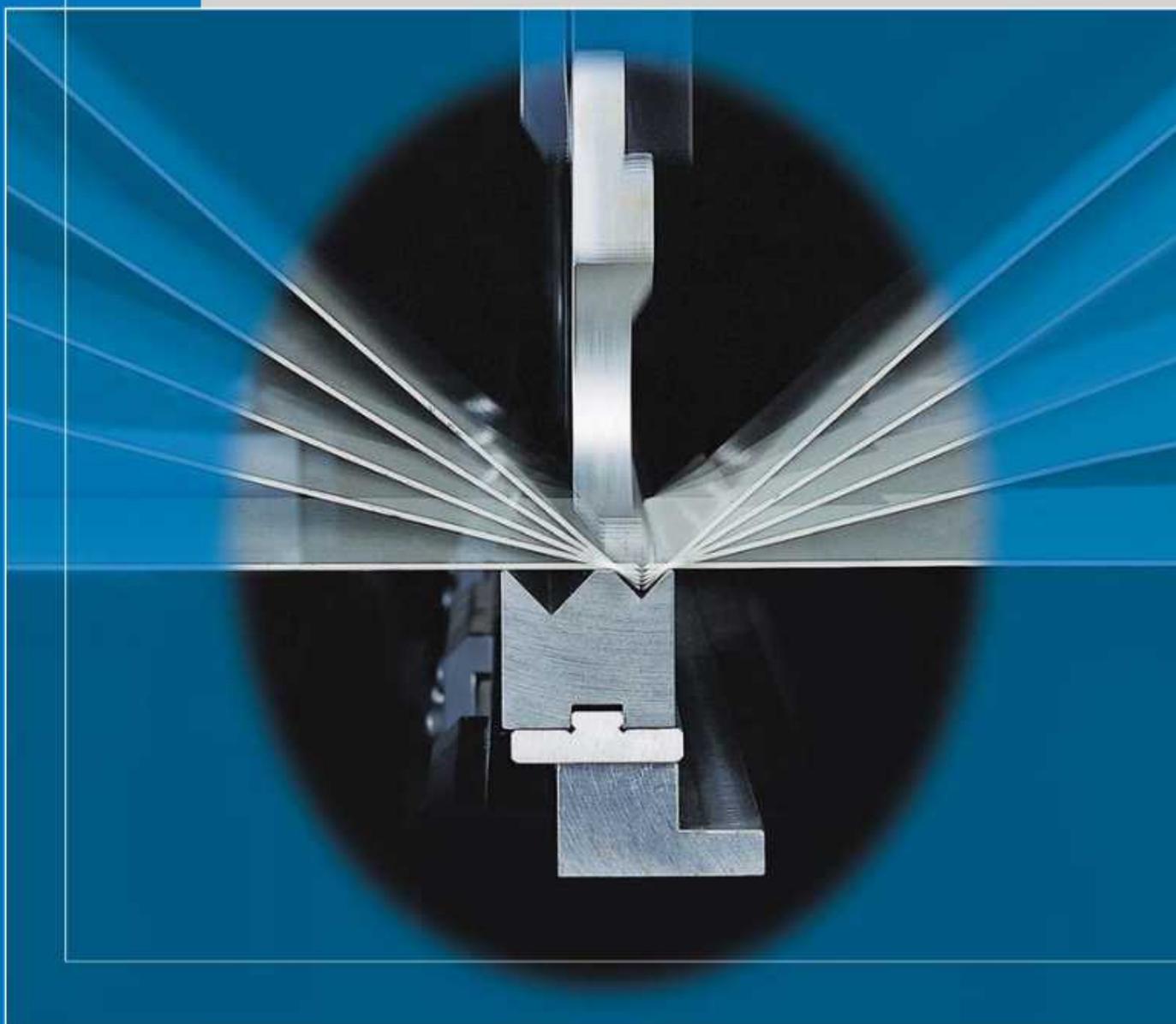
Auto bending cell has both the effectiveness of standardization and the total flexibility of personalization, capable of variety, complicated bending in constant speed. It is the combination of automatic and smart tech, one of the necessary factors of smart factory in the future.



高精密油壓折彎模具

- 上刀系列
- 底模系列
- 特殊模具製品

TOOLING LIST FOR PRESS BRAKE
PUNCHES / DIES / OPTIONAL MOULD ACCESSORIES



YEH CHIUN

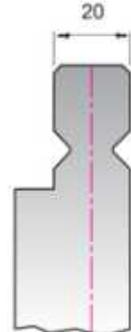
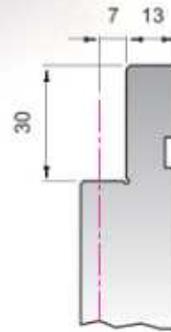
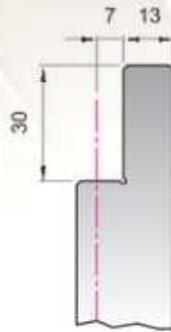
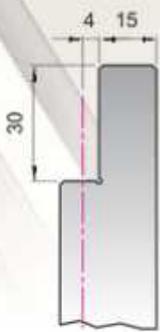
刀頭 DIE TONGUES

標準夾用 Safety Tongue

標準夾用 Safety Tongue

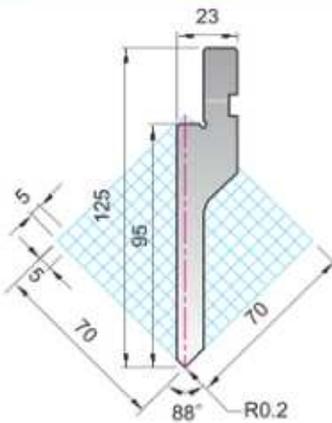
快速夾用 Quick-Release Tongue

油壓夾用 Hydraulic-Clamp Tongue

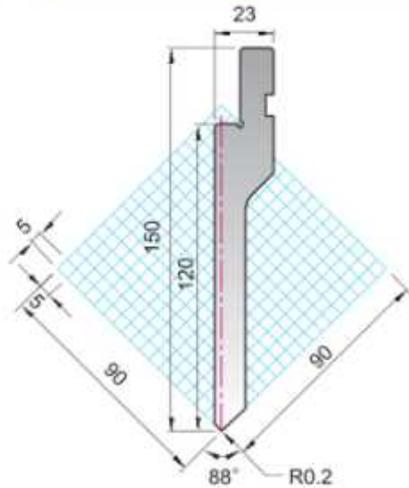


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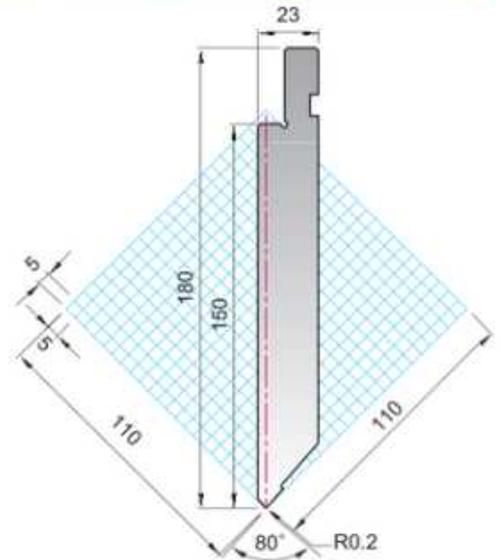
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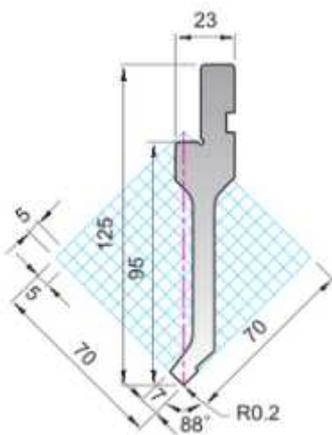
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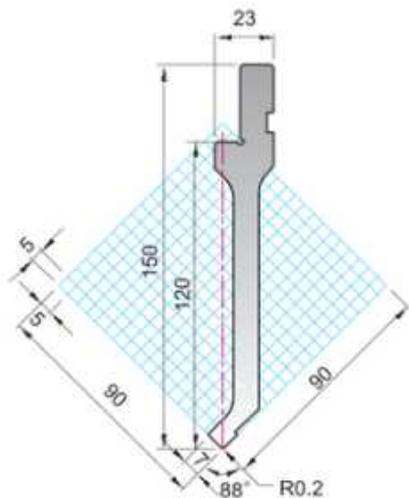
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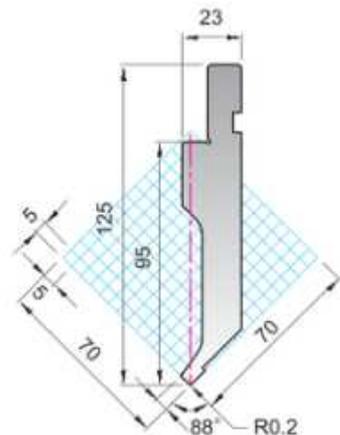
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NO.113B

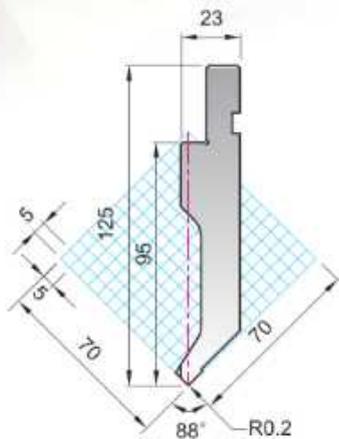


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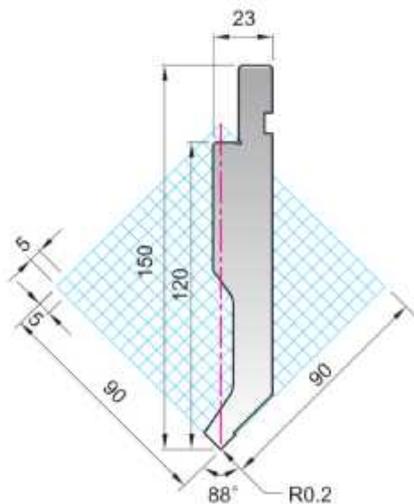


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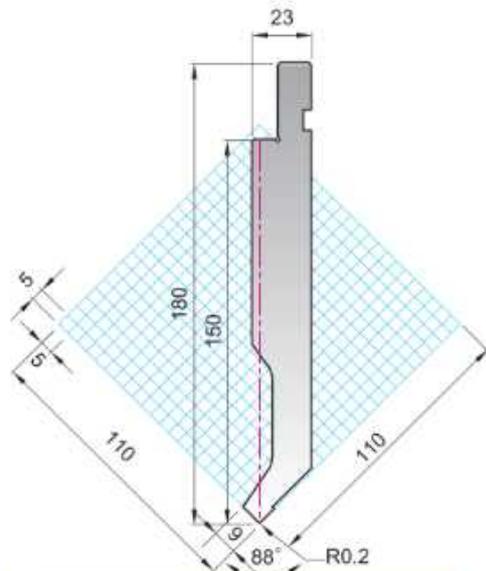
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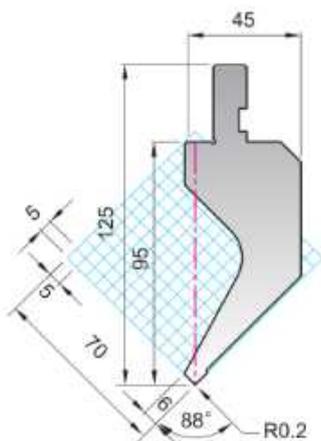
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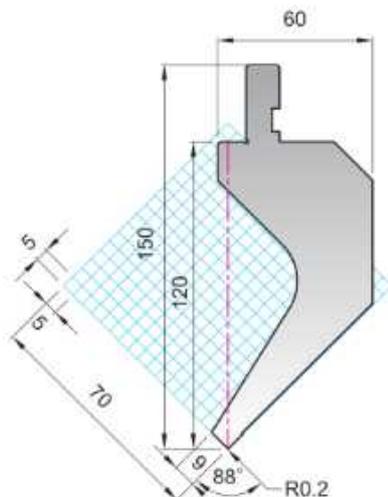
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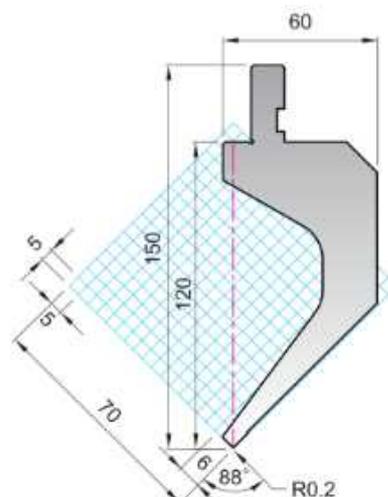
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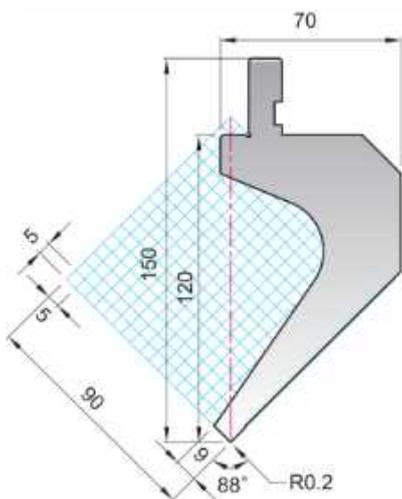
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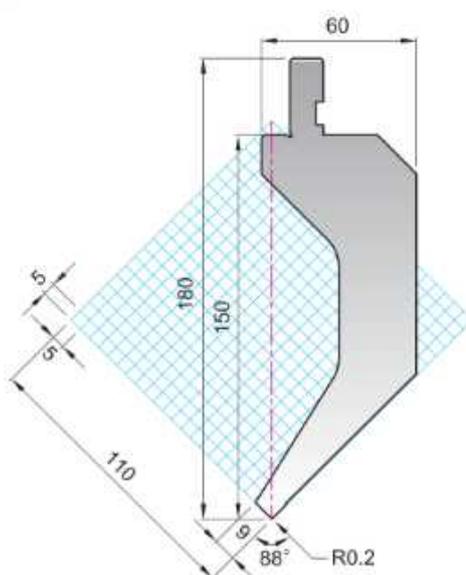
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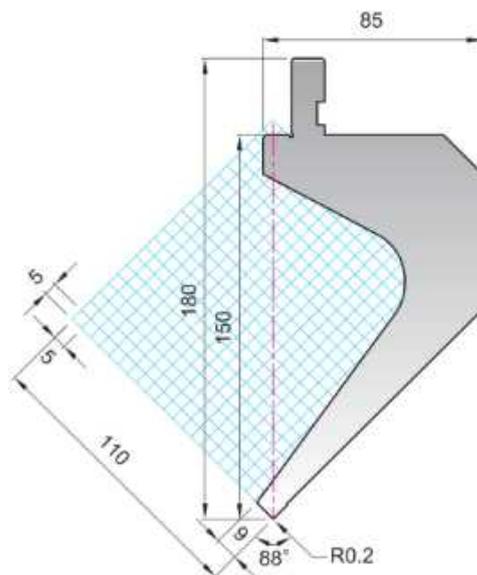
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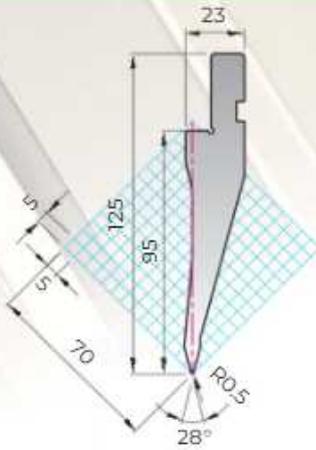


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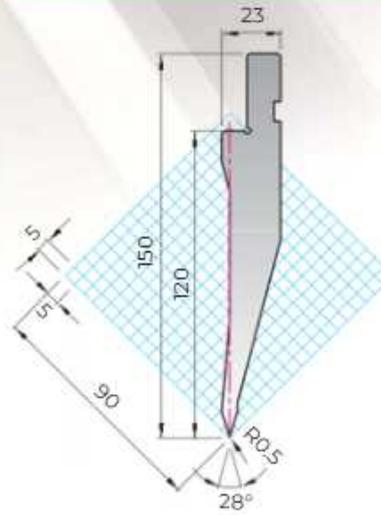


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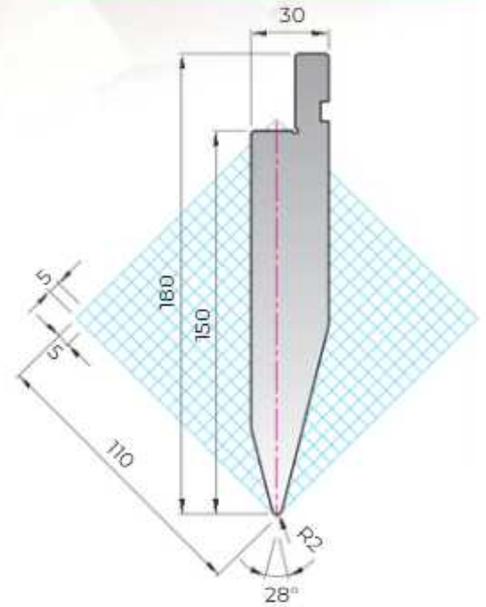
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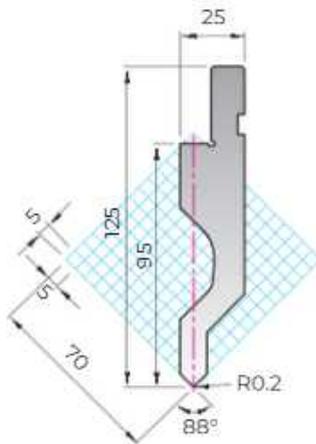
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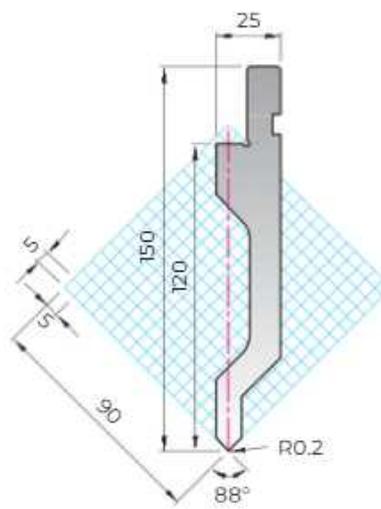
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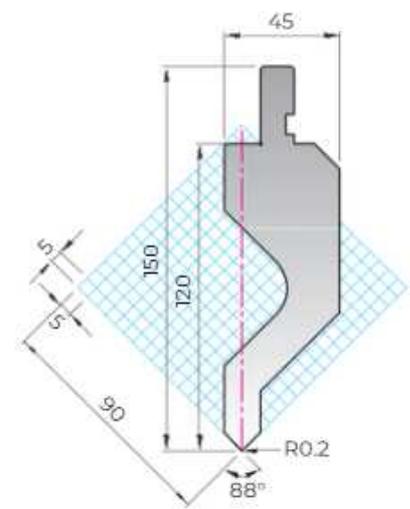
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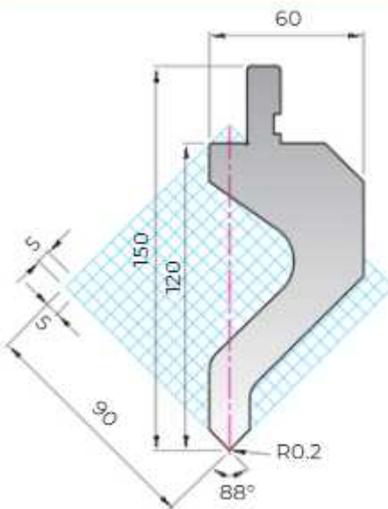
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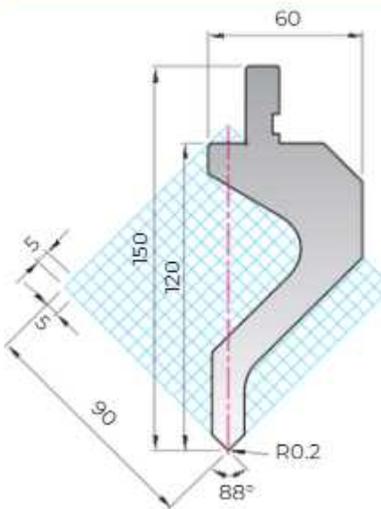
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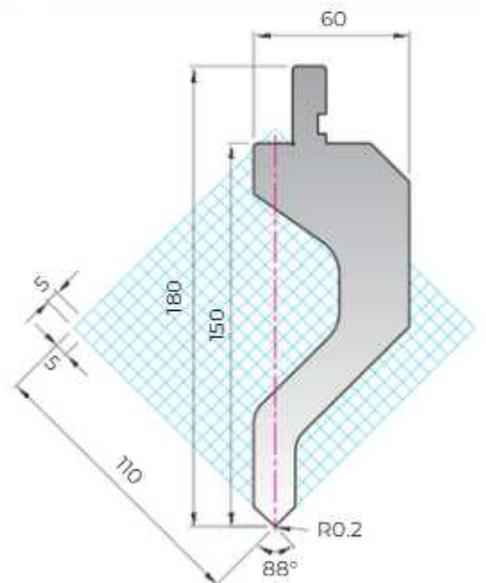
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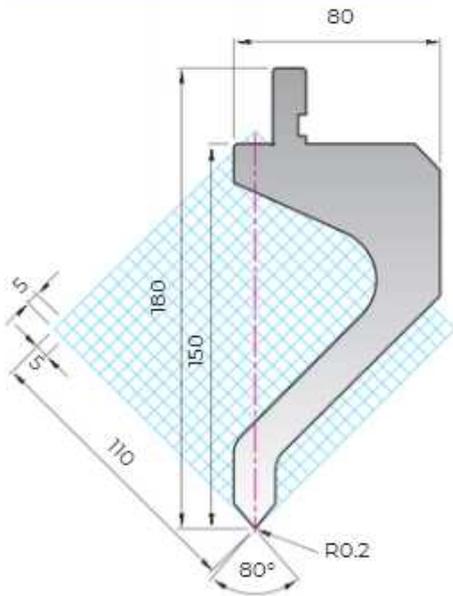


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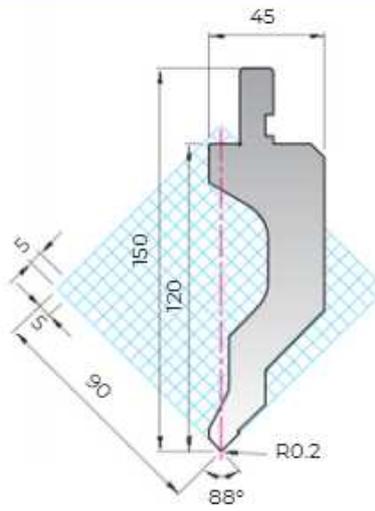


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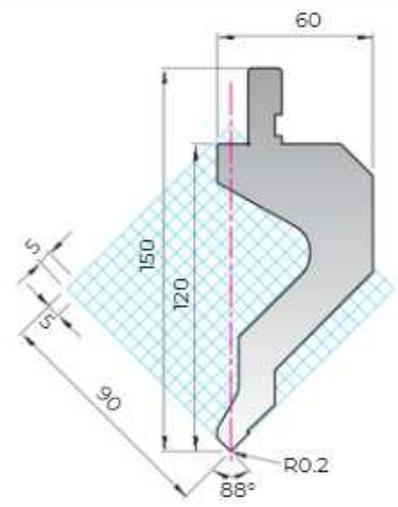
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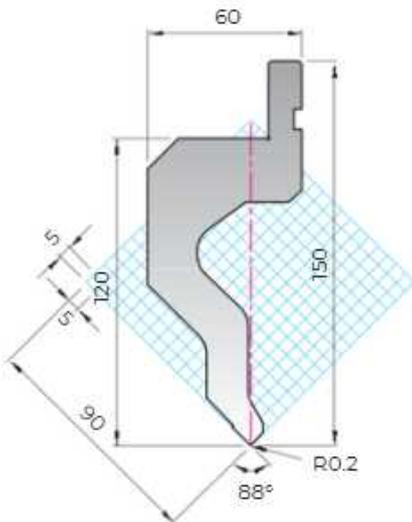
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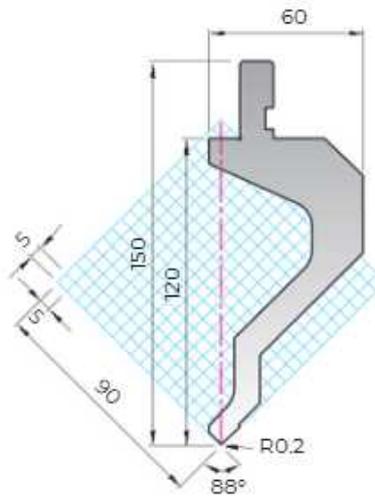
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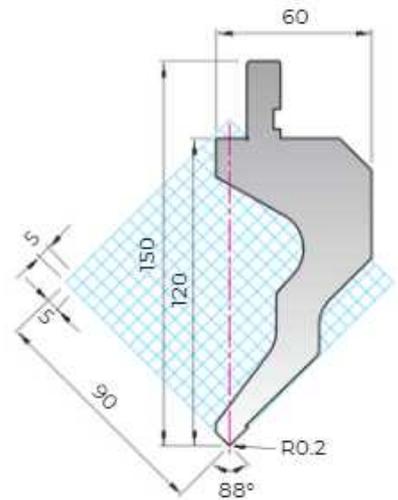
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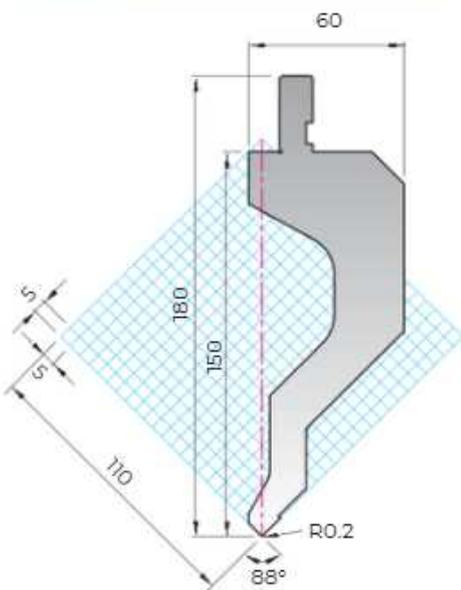
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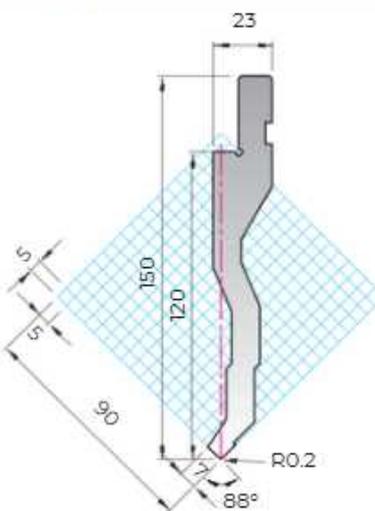
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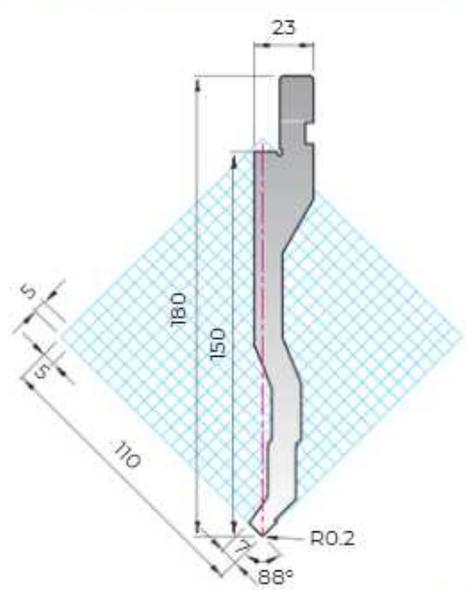
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NO.120B



NO.120C



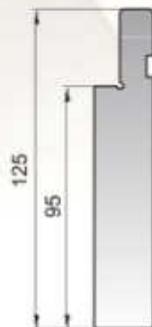
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上刀 PUNCHES

NO.121



NO.124A



NO.124B



NO.134



NO.131-1



NO.131-2



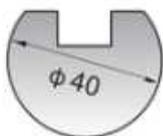
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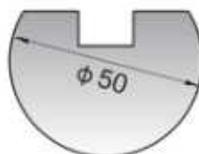
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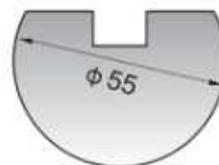
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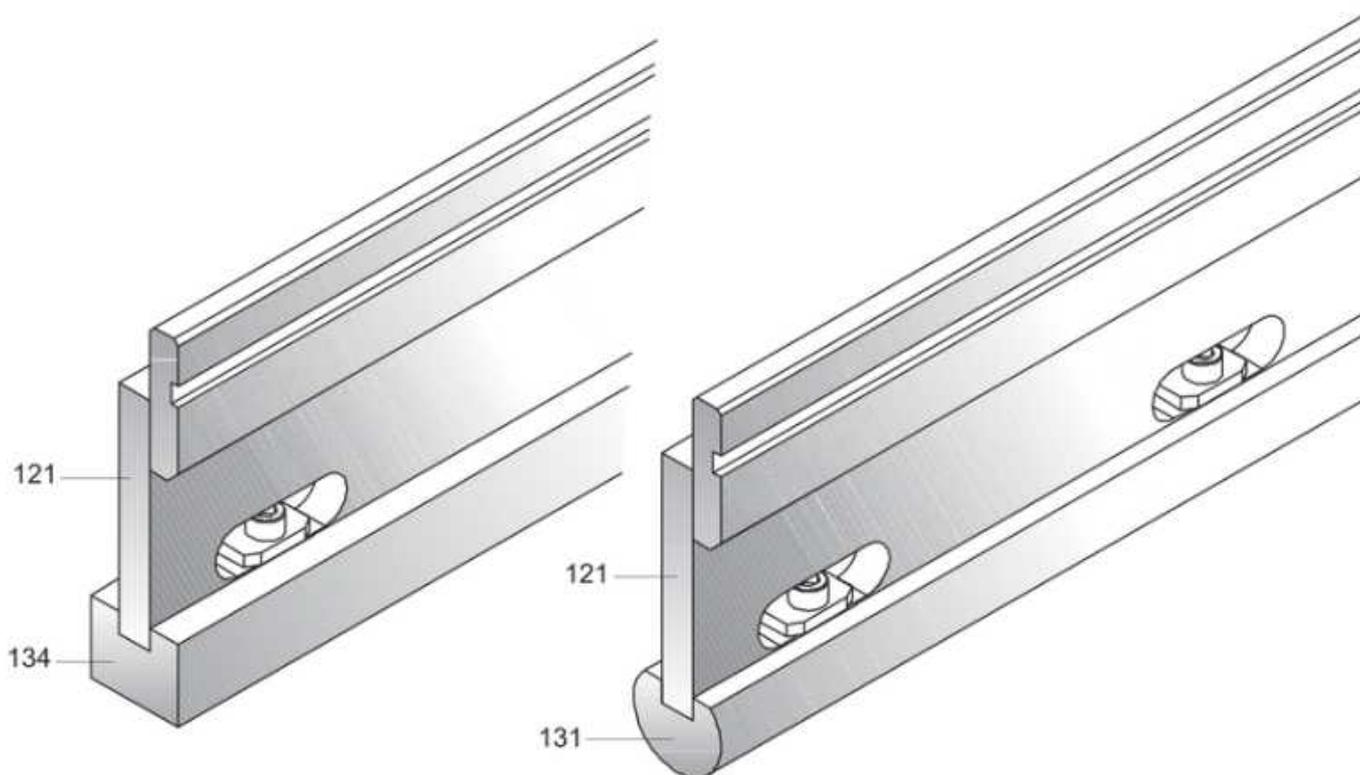
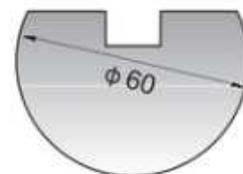
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NO.131-7

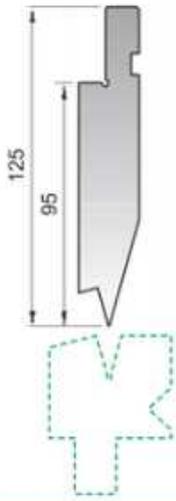


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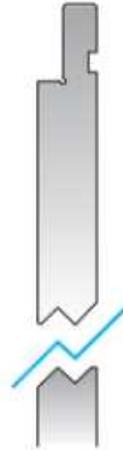
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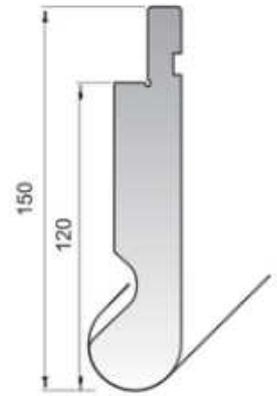
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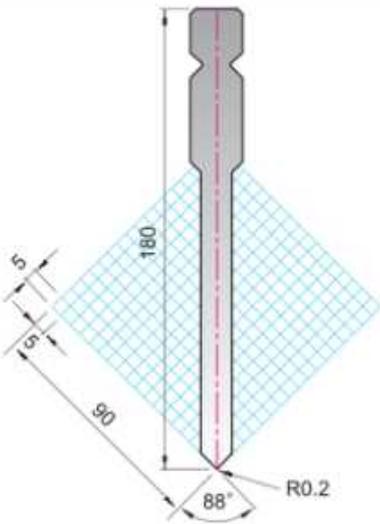
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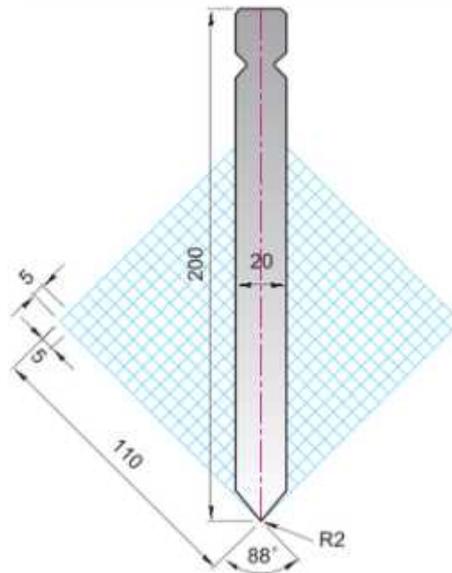
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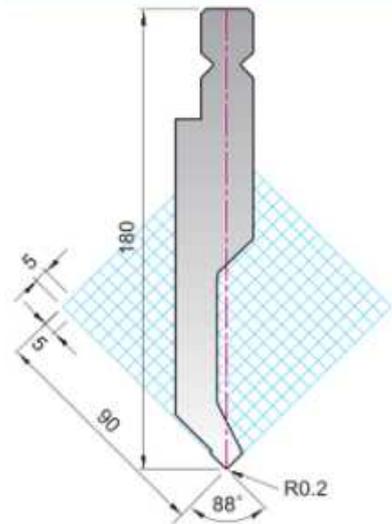
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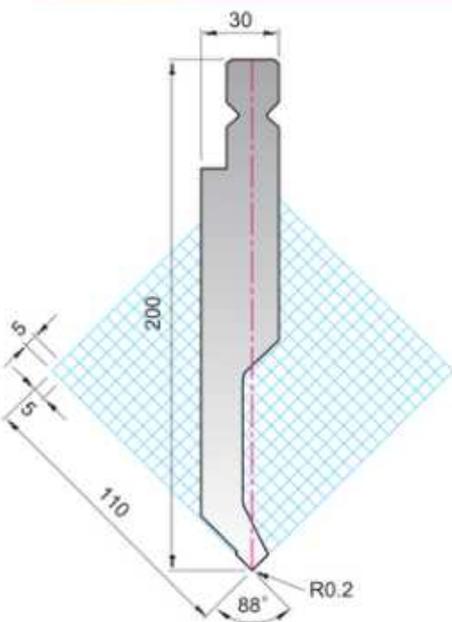
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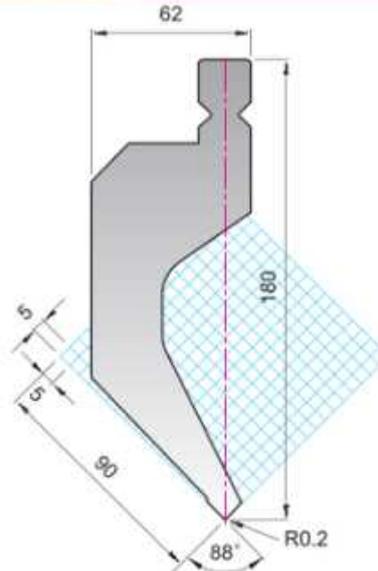
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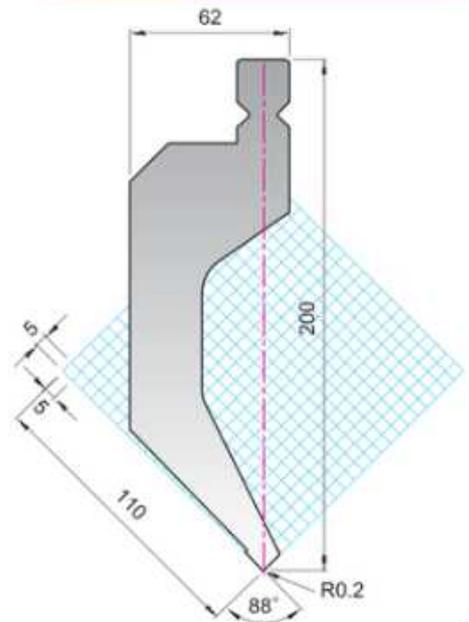
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NO.115CHY



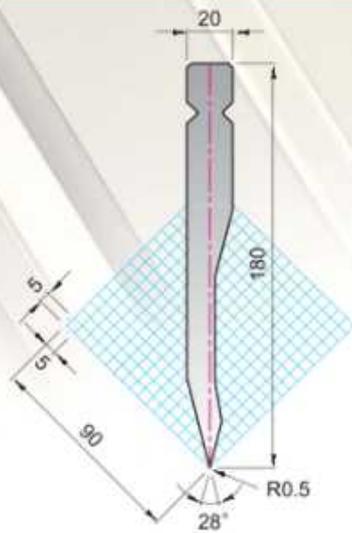
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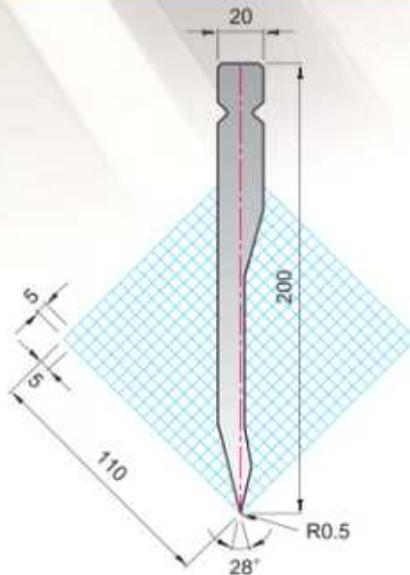
YEH CHIUN

上刀 PUNCHES

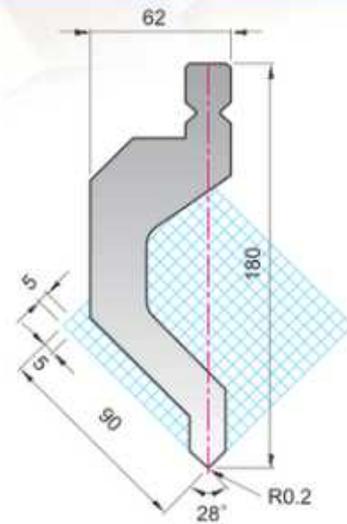
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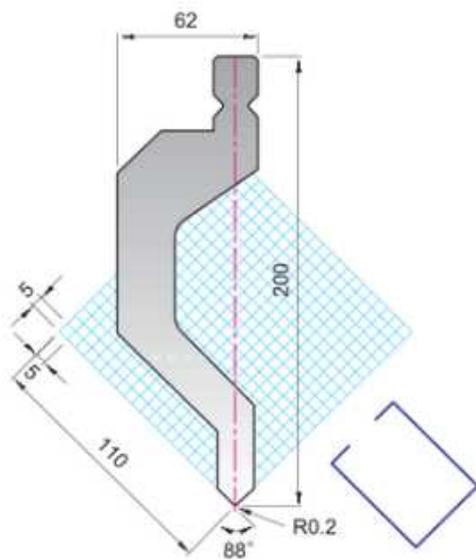
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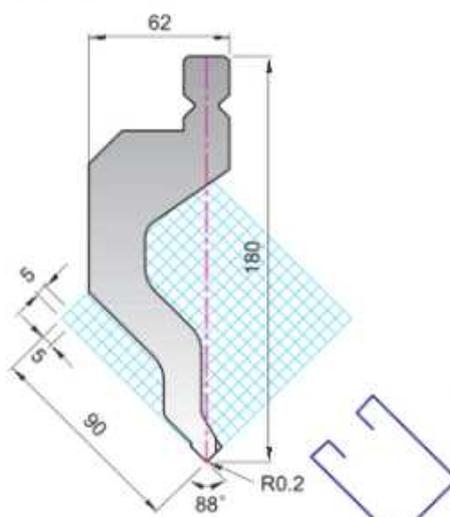
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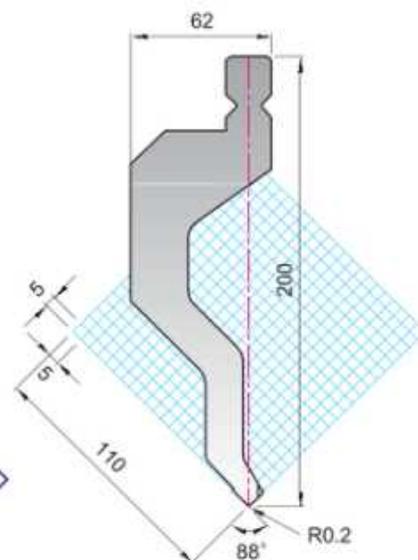
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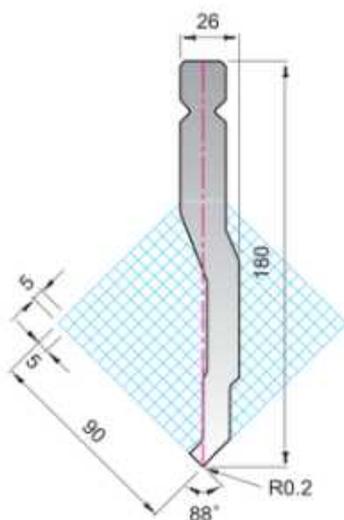
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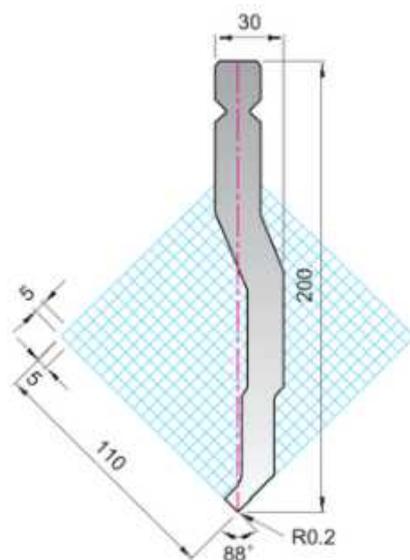
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NO.120CHY



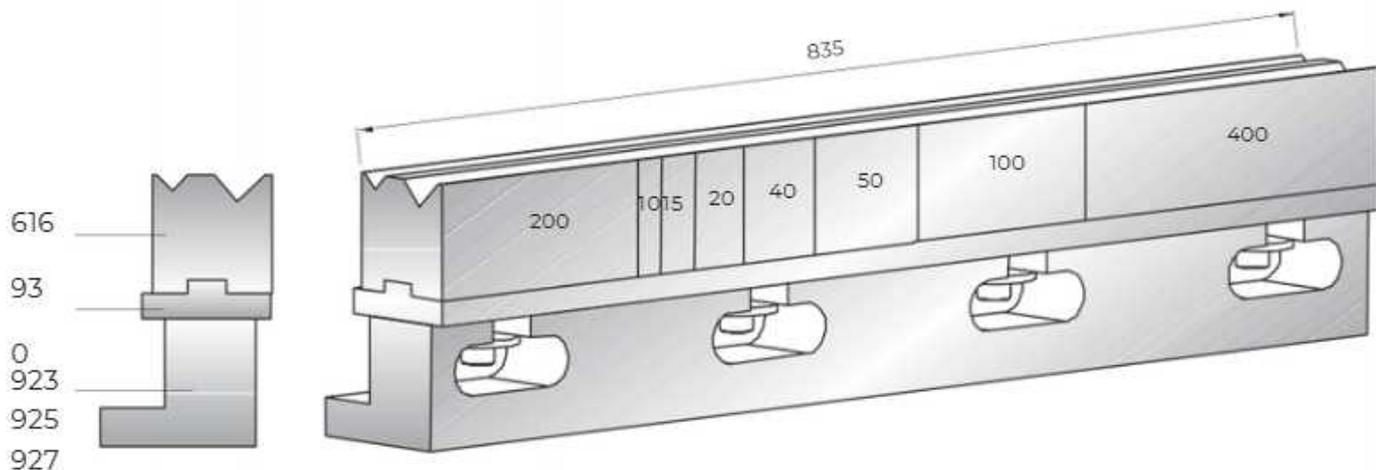
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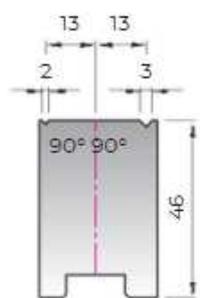
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SLIDE DIE

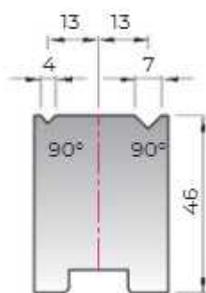


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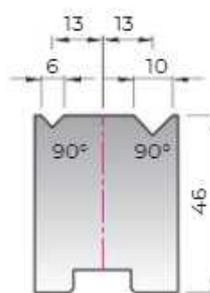
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NO.616-1



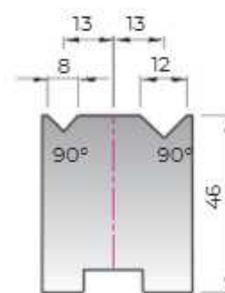
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NO.616-2

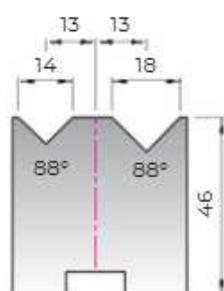


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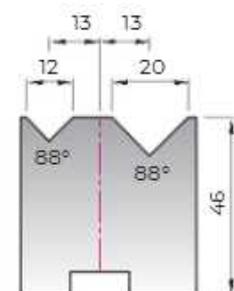
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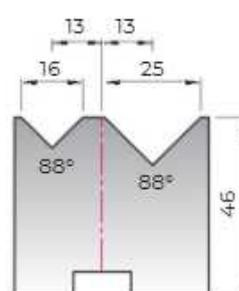
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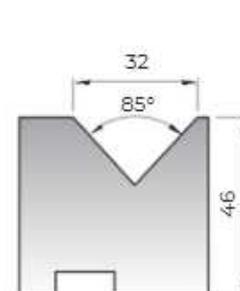
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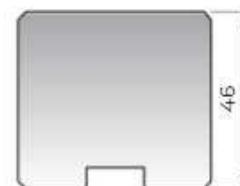
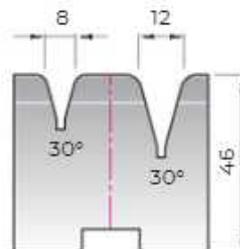
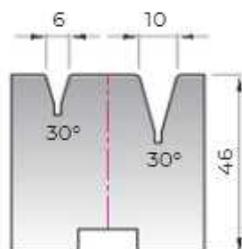
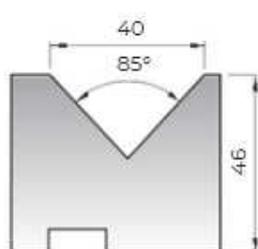
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NO.616-10



NO.616-11



YEH CHIUN

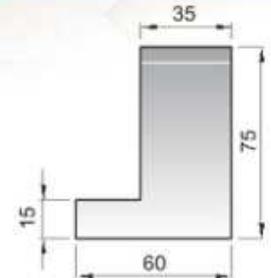
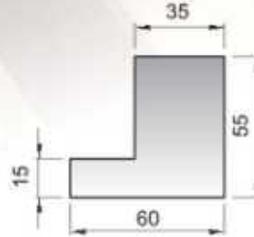
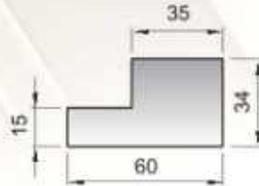
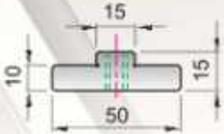
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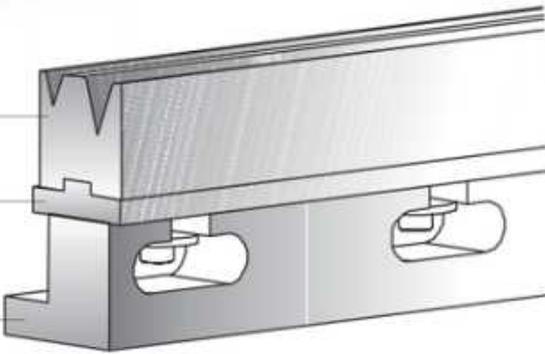
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616-9
616-10

930

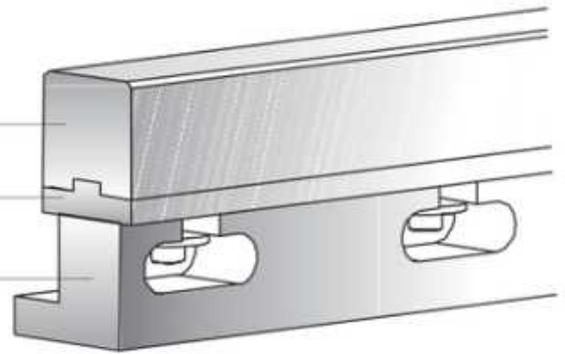
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616-11

930

923
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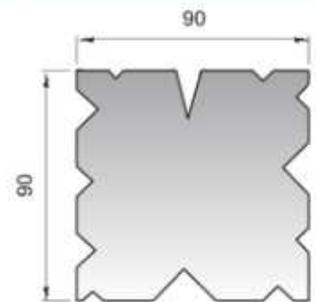
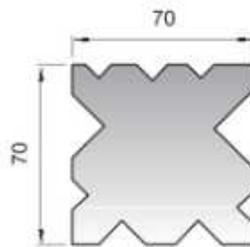
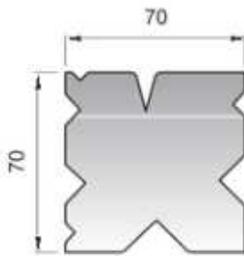


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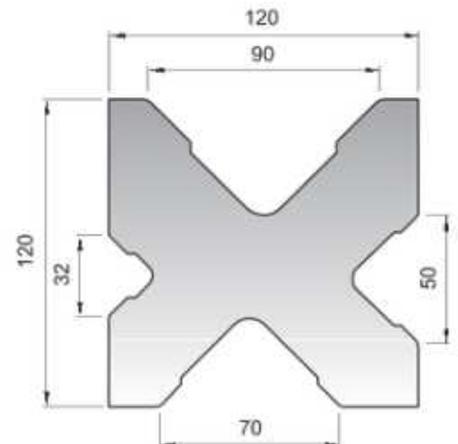
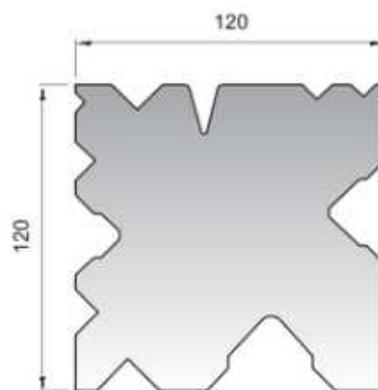
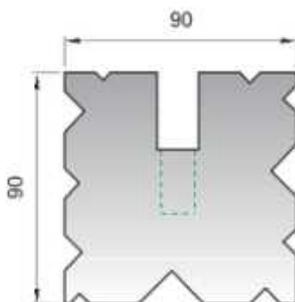
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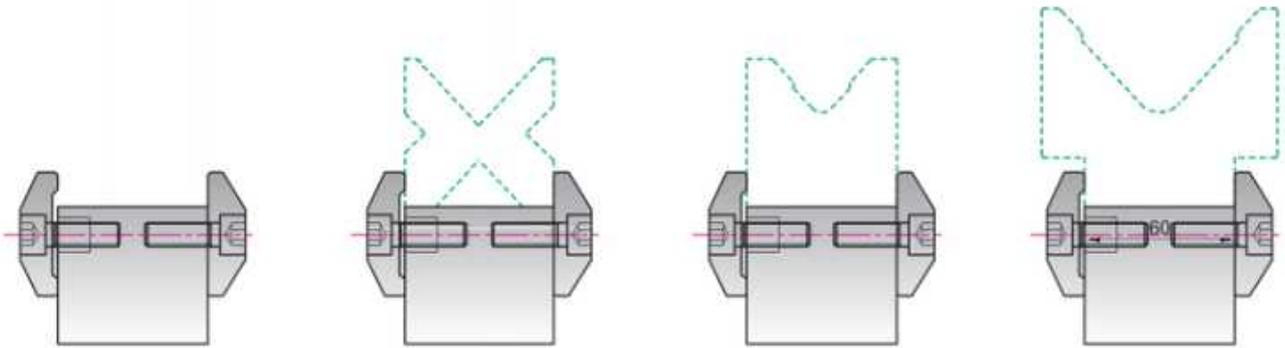
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NO.615D-2

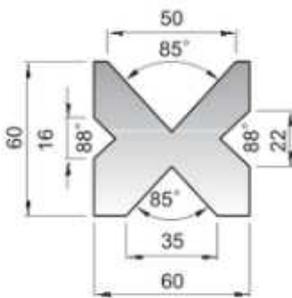


單槽底模 1-V DIE

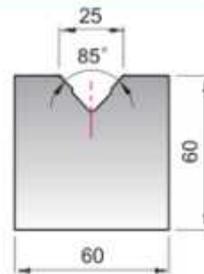
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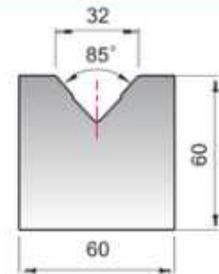
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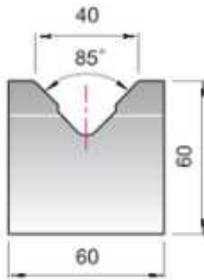
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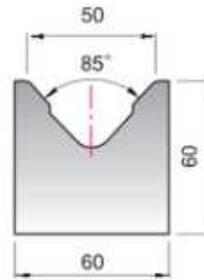
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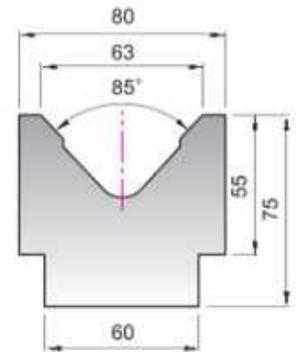
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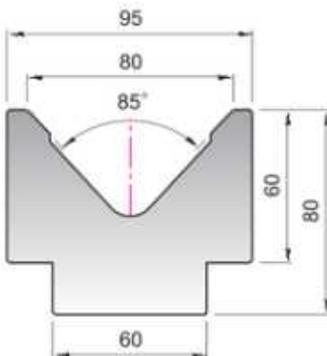
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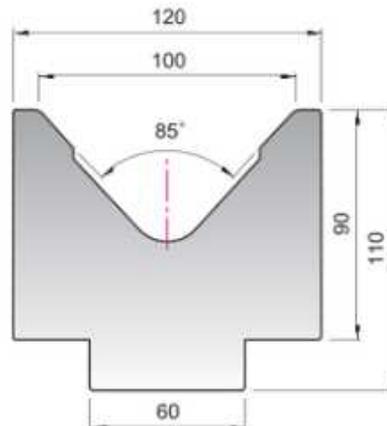
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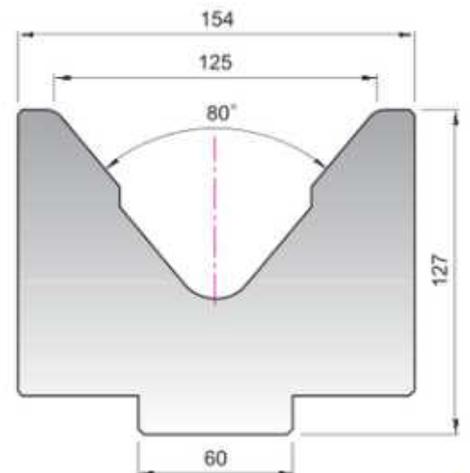
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NO.613A-7

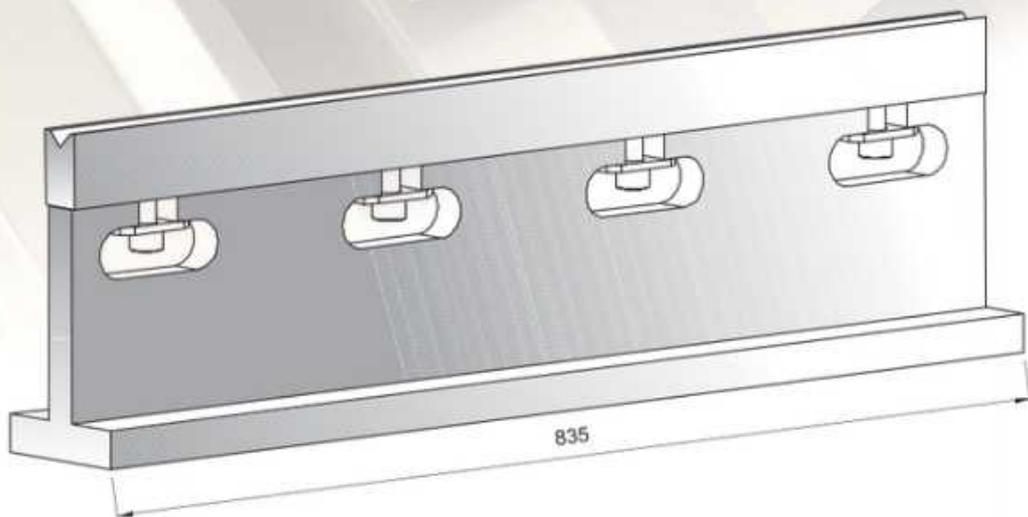
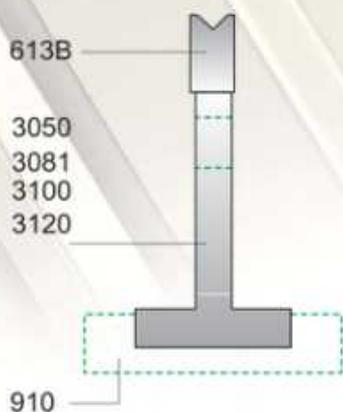


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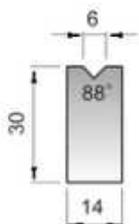


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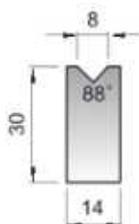
單槽底模 1-V DIE



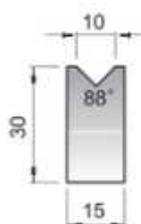
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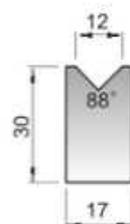
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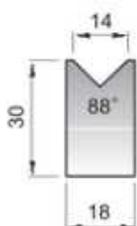
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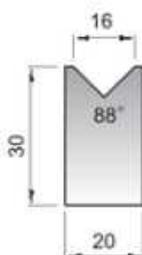
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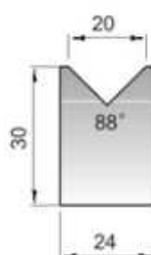
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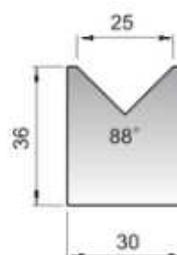
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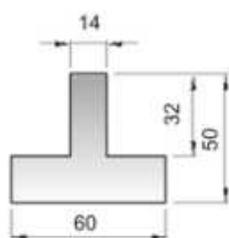
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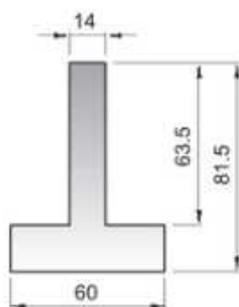
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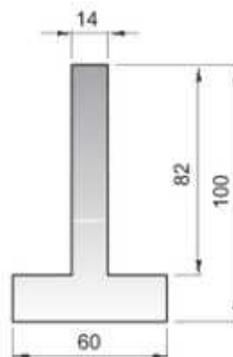
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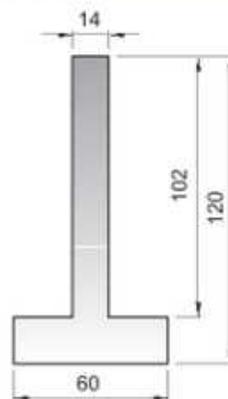
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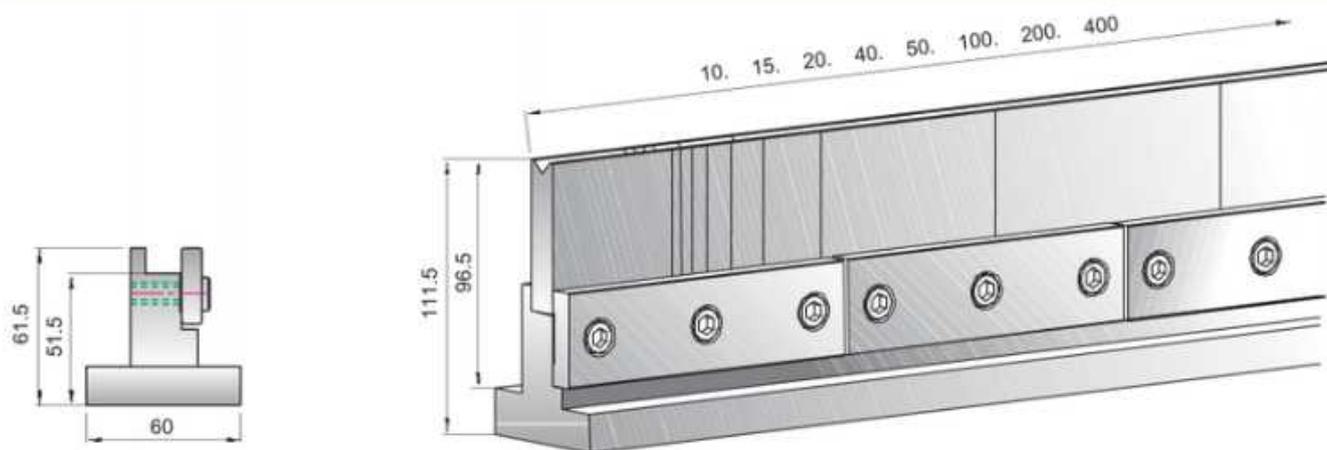


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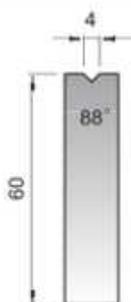


單槽底模 1-V DIE

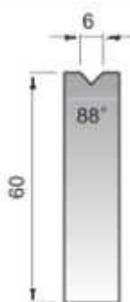
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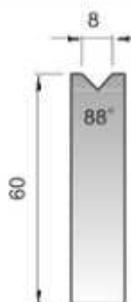
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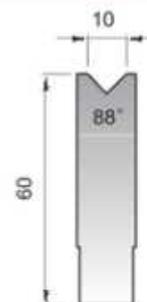
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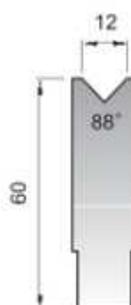
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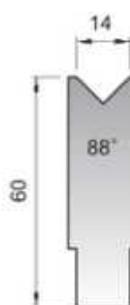
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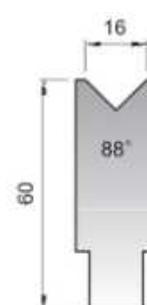
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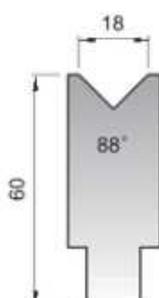
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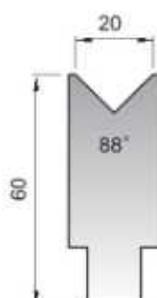
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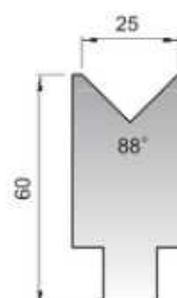
NO.613C-8



NO.613C-9



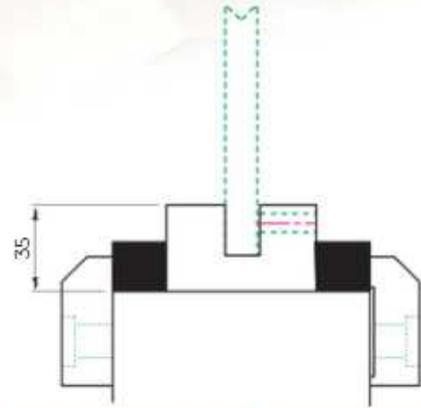
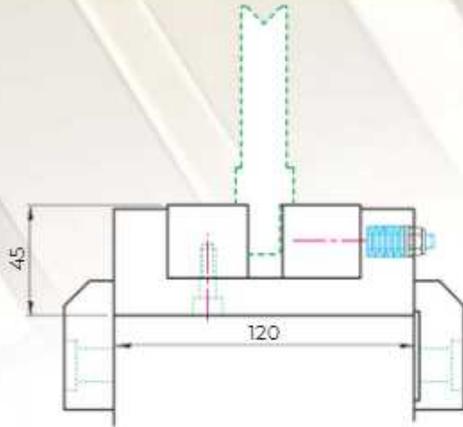
NO.613C-10



1-V DIE

油壓式下夾模座 Hydraulic Die Holder

手動式下夾模座 Manual Die Holder



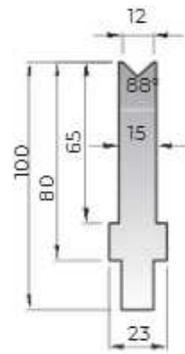
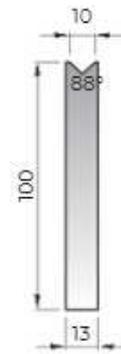
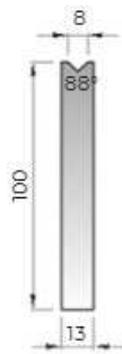
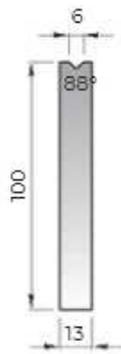
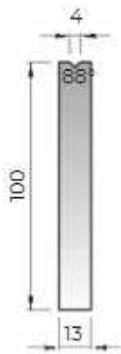
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NO.613D-2

NO.613D-3

NO.613D-4

NO.613D-5



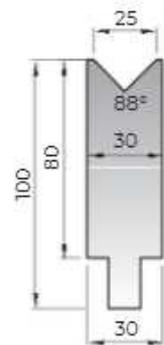
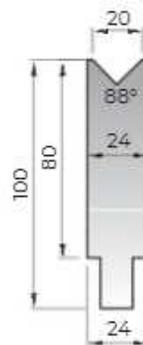
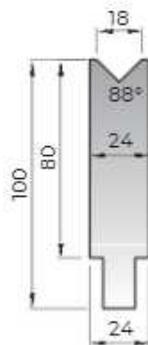
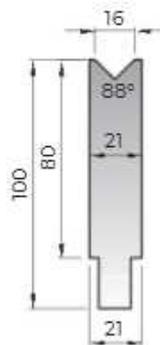
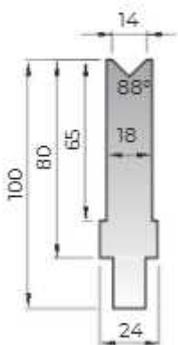
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NO.613D-7

NO.613D-8

NO.613D-9

NO.613D-10



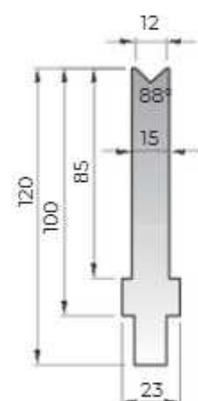
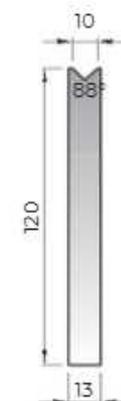
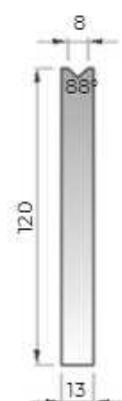
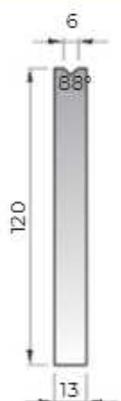
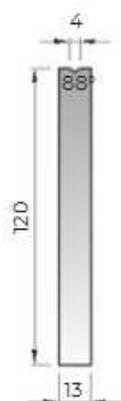
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NO.613E-2

NO.613E-3

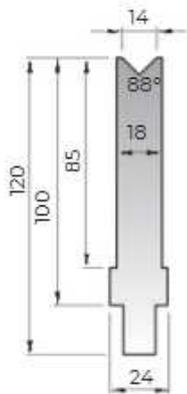
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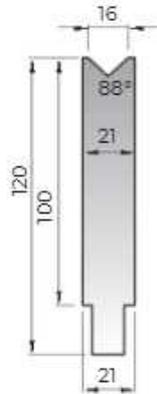


1-V DIE

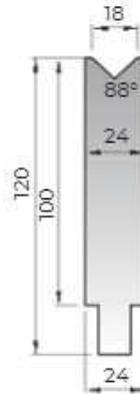
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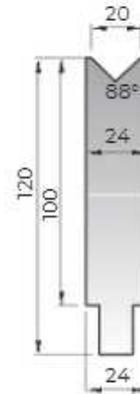
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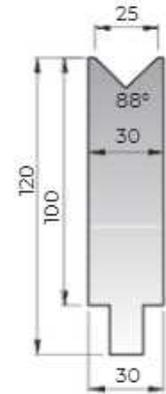
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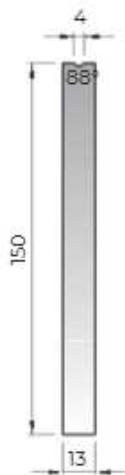
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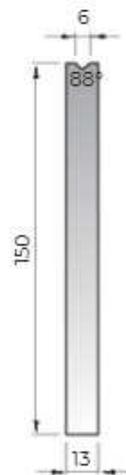
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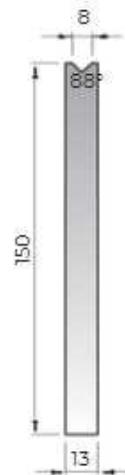
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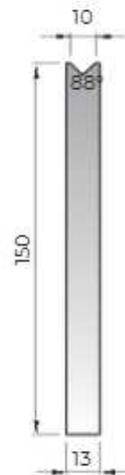
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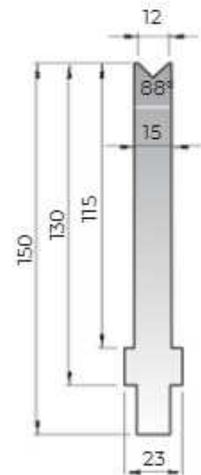
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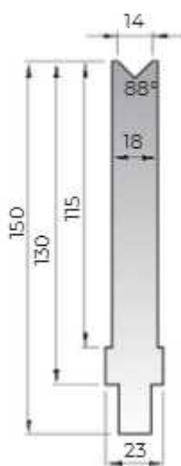
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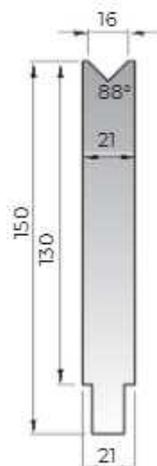
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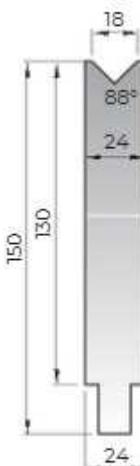
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NO.613F-7



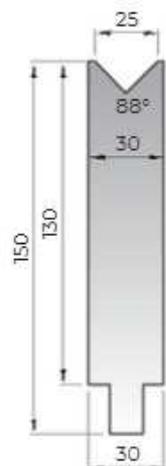
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NO.613F-9



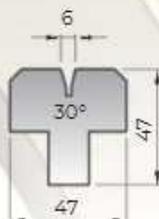
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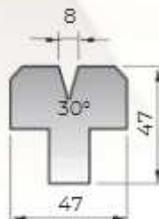
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DIES

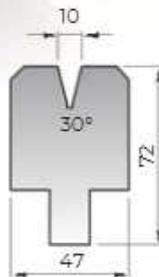
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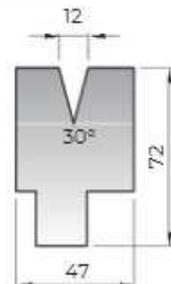
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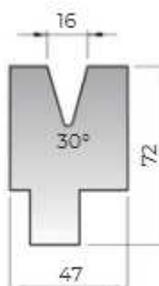
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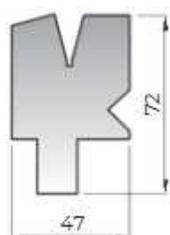
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NO.123B-3



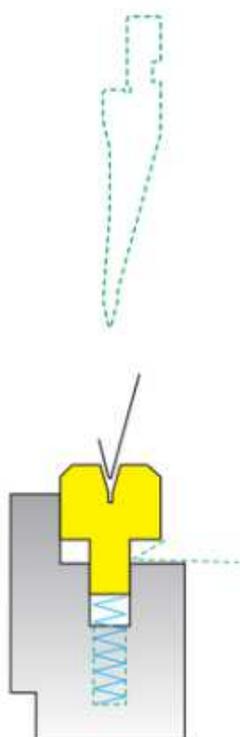
NO.123C



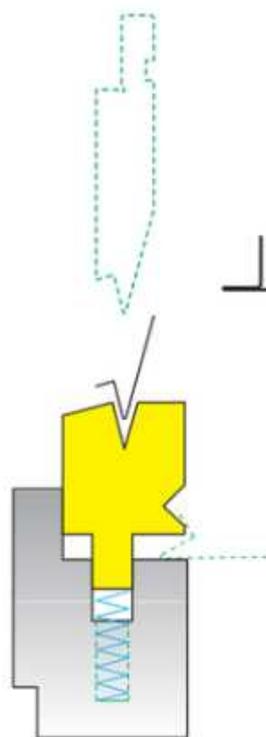
NO.612



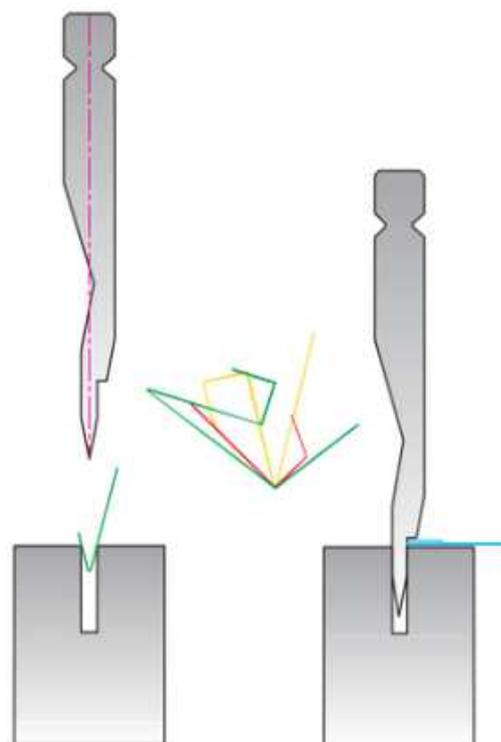
NO.511-1 壓扁組 Hemming Die Set



NO.511-2 壓扁組 Hemming Die Set

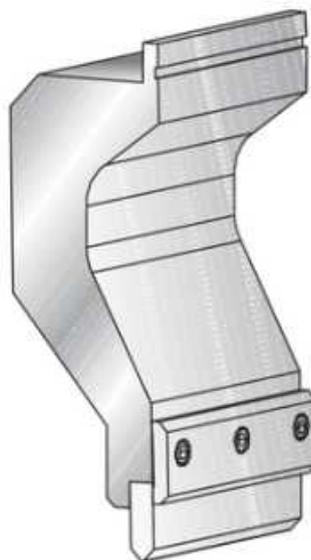
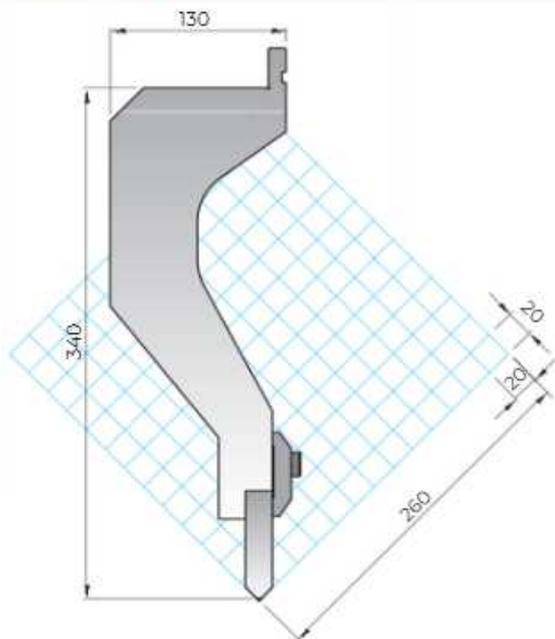


NO.512 壓扁組 Hemming Die Set

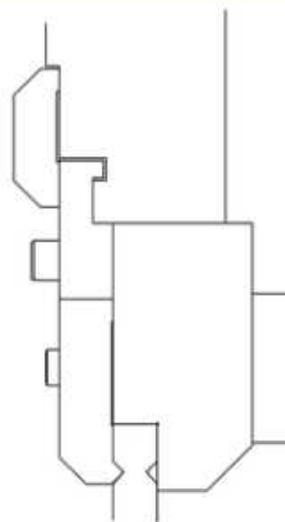
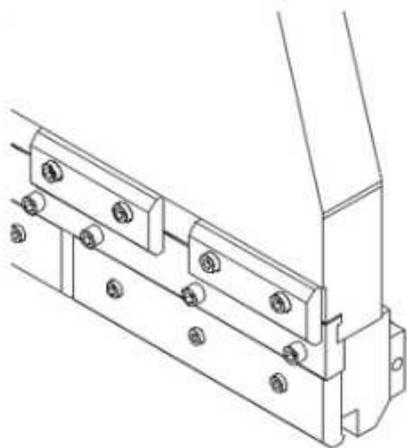


Optional Mould Accessories

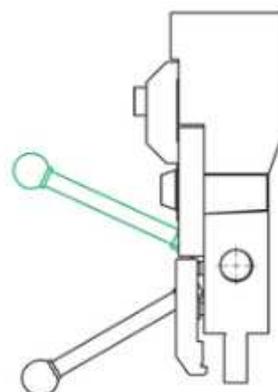
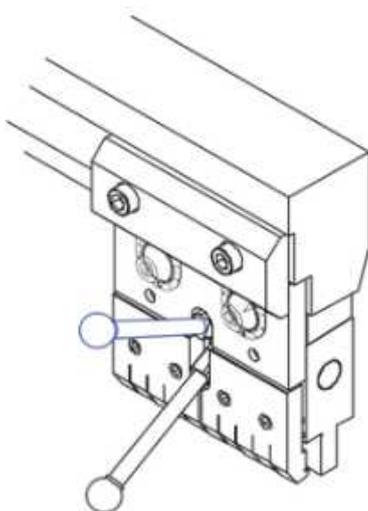
特殊刀架 Specialized Die Clamp



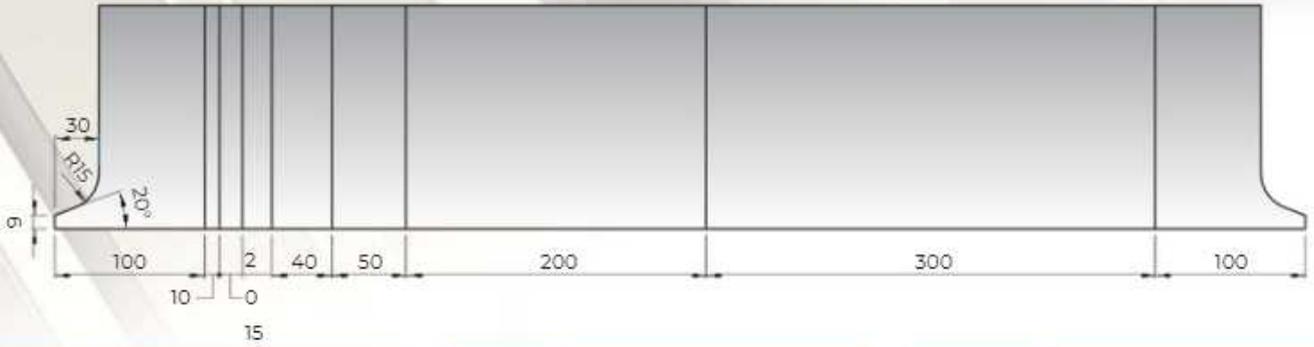
自動油壓夾具 Automatic hydraulic clamp



安全快速夾具系統 (手動) Quick-release safety clamp (Manual)



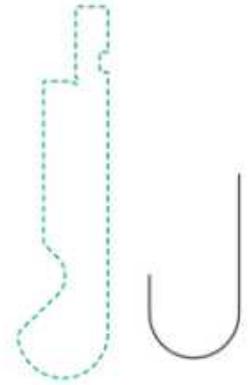
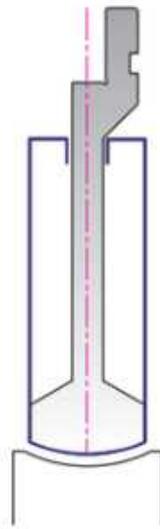
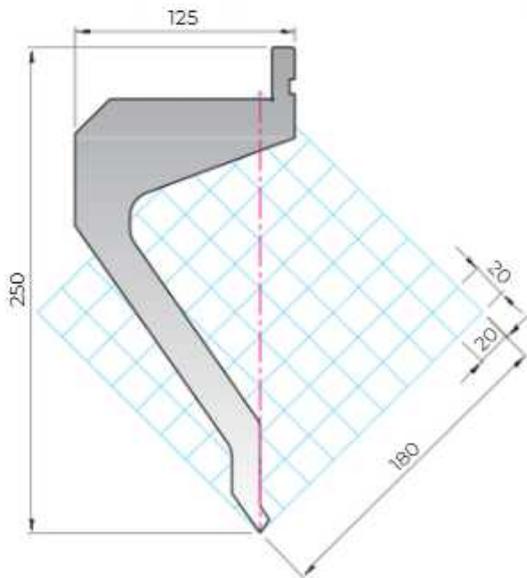
Optional Mould Accessories



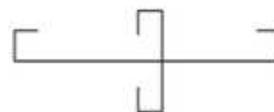
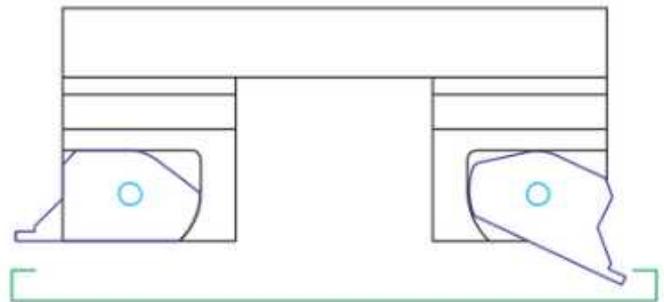
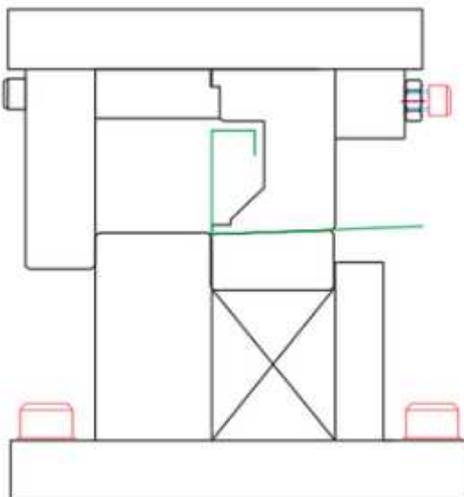
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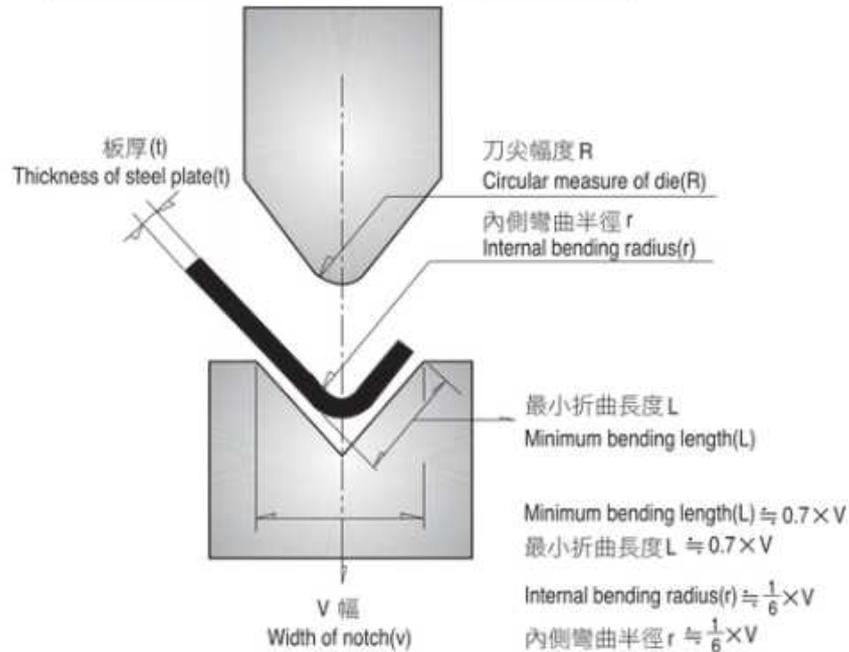


抽折模 Transverse Punch



折曲壓力表 Press Pressure chart

板厚 Thickness of steel plate(t)mm	0.6-4.0	4.5-8	9-25
V幅 Width of notch(v)mm	(6-8)xt	(8-10)xt	(10-12)xt



V 型 模 寬 V	曲 板 半 徑 r Curvature pressing radius	最 小 腳 長 L Minimum pressing length L	Pressing pressure chart Steel plate(45Kg/mm ²) Length 1000mm Curvature pressing pressure(ton)																		
			曲板能量表 鋼板 (45Kg/mm ²) 長度1000mm 曲板壓力(ton)																		
			板 厚 t																		
			0.5	1.0	1.2	1.6	2.0	2.3	2.6	3.2	3.6	4.5	6	9	12	16	19	22	25	30	
6	1	4	3	11																	
8	1.5	5.5	2	8	12																
10	1.5	7	2	7	10	17															
12	2	8.5		6	8	14	22														
16	2.5	11			6	11	17	22													
20	3	14				9	13	17	22												
25	4	18					11	14	18	27											
32	5.5	23						11	14	21	27										
40	6.5	28							11	17	21	34									
50	8	35								14	17	27	50								
63	10	45									14	21	38	85							
80	13.5	57											30	67							
100	16	71												24	54	95					
125	20	89													43	76	135				
160	26	113														60	106	149			
200	35	140															85	119	160		
250	42	175																95	128	165	238