



KUMCHEN

崑程工業有限公司
KUM CHEN INDUSTRIAL CO.,LTD.



總公司：
臺灣省新北市三重區大勇街82巷26弄26號
NO.26,ALLEY26,LANE82,TAYUNG ST.,SANCHUNG
DIST.,NEW TAIPEI CITY,TAIWAN
TEL:886-2-29894410 29832057
FAX:886-2-29841849
E-MAIL:service@kumchen.com.tw
Http://www.kumchen.com.tw
臺南分公司：臺灣省臺南市永康區大橋一街73巷127號
TAINAN BRANCH
NO.127,LANE73,TA CHIAO 1 ST.,YUNG KANG DIST,
TAINAN CITY,TAIWAN
TEL:886-6-2011971 2312492 2312475
FAX:886-6-2011239
E-MAIL:tainan@kumchen.com.tw
Http://www.kumchen.com.tw

偉程工業(泰)有限公司
WEI CHEN INDUSTRIAL CO.,LTD.

泰國分公司
THAILAND
NO.140/18 MOO 12 KINGKAEW ROAD,RACHATHEWA
BANGPLEE,SAMUTPRAKARN, 10540 THAILAND
TEL:66-2-7500366
FAX:66-2-7500997
E-mail:weichen@ji-net.com

昆成機械(昆山)有限公司
KUM CHEN MACHINERY (KUN SHAN) CO.,LTD.



大陸廠：
地址：江蘇省昆山市張浦機場路88號
FACTORY: NO.88,JICHANG ROAD,ZHANGPU TOWN,KUNSHAN CITY,
JIANGSU PROVINCE,215321,CHINA
TEL:0512-57446399 57446398
FAX:0512-57446397
E-MAIL:service@kumchen.com.cn
http://www.kumchen.com.cn
上海辦事處：上海市漕溪北路38號11樓B室(實業大廈)
OFFICE: ROOM B,11F,NO.38,CAOXI NORTH ROAD,
SHANGHAI,200030,CHINA
TEL:021-64646399 64877868
FAX:021-64647650
E-MAIL:kumchen@online.sh.cn service-sh@kumchen.com.cn
重慶辦事處：重慶市渝中區大坪嘉華鑫城D幢7-1
OFFICE: 7-1,D BUILDING,KA WAH XIN CHENG,DAPING,
YUZHONG DISTRICT,CHONGQING,CHINA
TEL:023-68636197 68636814
FAX:023-68613522
E-MAIL:service-cq@kumchen.com.cn
天津辦事處：天津市南開區東北角藝術公寓(金軒商業中心)3號樓2509室
OFFICE: ROOM 2509,3 BUILDING,NORTH-EAST CORNER ART APARTMENT
(JIN XUAN BUSINESS CENTER),NANKAI DISTRICT,TIANJIN CITY,CHINA
TEL:022-27427269 27498456
FAX:022-27498457
E-MAIL:service-tj@kumchen.com.cn



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KUM CHEN INDUSTRIAL CO., LTD

昆成机械(昆山)有限公司
KUMCHEN MACHINERY(KUN SHAN)CO.,LTD.

BRIEF INTRODUCTION

★ 公司简介

崑程工業有限公司是專業生產沖床、剪床整條自動化設備高科技公司，是集設計、製造、檢驗、銷售及售後服務為一體完善企業。

公司成立於1981年，三十多年以來，崑程公司引進了先進的生產設備及專業的技術人才，注重每道工序的嚴謹品質控制，結合國外的先進理念及技術全力於高品質、高精度之沖壓自動化設備及鉚釘機、油壓機的研發與生產，務使每一部機器都能達到最完美的效能，從而為客戶發揮最高的工作效率。

崑程公司憑藉專業的技術、嚴謹的品質、熱忱的服務贏得了眾多客戶的信賴與支持，公司不僅在台灣及江蘇昆山設有工廠，並且在上海、天津、重慶及泰國擁有分公司、辦事處。同時我們也外銷海外諸國及歐洲、美洲、澳洲、中東、東南亞...等等，誠為業界實力穩健之製造商。

KUM CHEN is a leading high-tech manufacturer which is specialized in producing high quality, precision turn-key project for press automation system & shearing machine, and providing integration with the design, manufacture, inspection, marketing and after-sales service.

Founded in 1981, for the more 30 years, KUM CHEN has introduced the advanced production equipments and the professional technical engineers, we strictly take notice of quality control for each processing procedure, to combine the foreign advance ideas with technology in the development and production of the high quality and high precision automated pressing & feeding equipment, riveting machine and hydraulic press ...etc, be make sure of every machine is on its best condition to achieve highest performance, and bring the highest working efficiency for customers.

KUM CHEN has gained trust and support from customers who relied on the company's professional technology, strict quality and zealous service. KUM CHEN has established factories not only in Taiwan but also in Kunshan, China, and there are branches or offices in Shanghai, Tianjin, Chongqing and Thailand. Besides, KUM CHEN also exports to many countries and areas such as Europe, American, Australia, Middle-East and Southeast Asia...etc. KUM CHEN has been a strength-solid manufacturer in the field.

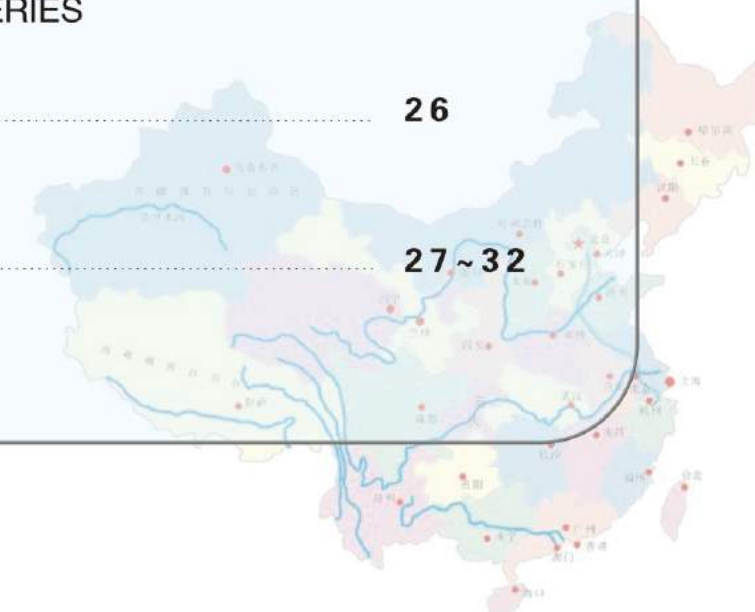


TEL: 0512-57446399 57446398
FAX: 0512-57446397
E-mail: kumchen@public1.sz.js.cn
service@kumchen.com.cn
<http://www.kumchen.com.cn>

KUMCHEN INDUSTRIAL

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空壓鉚釘機

PNEUMATIC RIVETING MACHINE

優點

1. 可調整機械的高低，視不同產品的大小任意改變。
2. 可任意選擇手動或自動。
3. 高性能，高效率，速度快，安全性特佳。
4. 鉚合時間可設定調整，無噪音。
5. 操作簡單，不必熟練技術，無經驗作業者均可操作。
6. 適合各種長度鉚釘。
7. 精密的測微器控其衝程。

CHARACTERISTICS

1. Machine height may be adjusted, depending on product's size to change willfully.
2. Manual or auto may be selected optionally.
3. It possessed perfect performance, efficiency, speed faster and security.
4. The time of riveting may be set or adjusted, without noise.
5. Operation is easy to master, Anyone who has no experience may operate it.
6. It is suitable for any length of rivets.
7. The precision micrometer can control its impact.

用途範圍

各種五金，工具類，電子組合，海灘椅，車輪鉚合及各種特殊鉚釘加工等。

RANGE OF APPLICATIONS

All kinds of hardware, electronic combinations, tools, metal peices, zinc-plating sheets, electroplating sheets.



KC-80-R



KC-220



KC-360



KC-400-I

機種 Type	KC-80-R	KC-220	KC-360	KC-400-I	KC-600	
功能 Function				倒鉚式 Inverse	雙頭 Double Head	
電動機 Drive Motor(Hp)	1/4 × 4	1/2 × 4	1 × 4	1/2 × 4	1/2 × 2	
機械總高度 Height Of Machine(mm)	700		800	1500	1100	
鉚軸轉數 Spindle Revolution(rpm)	1720/1450					
最大行程 Max Stroke(mm)	10-40				40	
鉚打能力 Riveting Capacity	實心 Solid(mm)	φ 0.5-3	φ 2-6	φ 2-8	φ 2-6	φ 6
	空心 hollow(mm)	φ 0.5-5	φ 2-10	φ 2-12	φ 2-10	φ 10
鉚打時間調整 Work Time Adjustments (sec)	0-6					
最大壓力 Maximum Pressure(kg)	280	600	1100	600	600	
調整高度 Adjusted Height (mm)	200	90	110	200	200	
中心喉度 Max Depth(mm)	60	130	160	150	130	

HYDRAULIC RIVETING MACHINE

油壓鉚釘機

機種 Type	KC-220HT	KC-360HT	KC-800A	KC-800B	KC-800B1	KC-800C	KC-800D	
功能 Function	單頭 Single Head						雙頭 Double Head	
鉚合馬達 (Hp) Drive Motor	1/2	1	2	3	7.5	1 × 2		
機械總高度 (mm) Height Of Machine	1203	1215	1800					
鉚軸轉數 (rpm) Spindle Revolution	1720	1450	1720	1450	1200	1000	1720	
最大行程 (mm) Max Stroke	10-40		40					
鉚打能力 Riveting Capacity	實心 Solid(mm)	2-6	2-8	φ 8	φ 12	φ 18	φ 22	φ 8
	空心 Hollow(mm)	2-10	2-12	φ 12	φ 16	φ 20	φ 30	φ 12
鉚打時間調整 (sec) Work Time Adjustments	0-6							
台面升距 (mm) Table Vertical Distance	90	200				10-250		
油壓馬達 Hydraulic Motor (Hp)	1	2	5	3				
中心喉度 (mm) Max Depth	160	150	200	130				



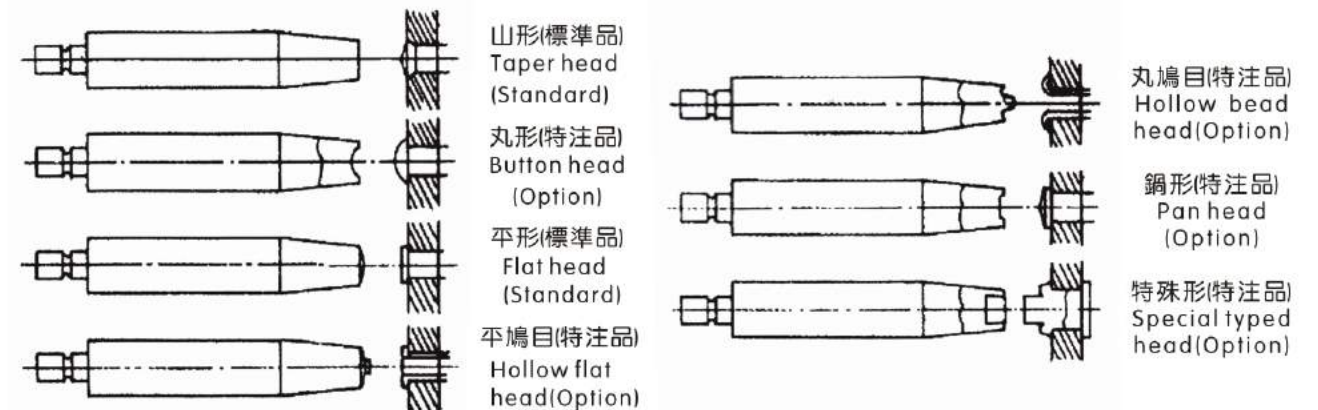
KC-800D



KC-220HT



KC-800A/B/C



空壓壓床 PNEUMATIC PRESS

優點

1. 採用優質密封件，耐磨性好，耐高磨力。
2. 採用優質汽缸，其製作精度，密封性強。
3. 體積小，可配合自動控制操作，安全可靠，操作簡便。

CHARACTERISTICS

1. High-quality seals are used, wear-resisting and high-pressure proof.
2. Quality cylinder with excellent sealing employed.
3. It is small in size and may fit to automatic operation which is simple and safe.

用途範圍

鉚合、沖孔、切斷、壓入、成形、彎曲、打印、裝配。請注意儀表壓力的正常狀況（最大的壓力有限，不能超過7kg/cm²）。

RANGE OF APPLICATIONS

Purpose for Rivet, Blanking, Shearing, Push, Forming, Bending, Punch, and Assembly. Please note the steady condition of meter's pressure (The maximum pressure is limited not to exceed 7kg/cm²).

機種 Type	KC-63		KC-80		KC-100		KC-125		KC-150-A	KC-200-A
	A	B	A	B	A	B	A	B		
最大壓力 (kg) Max. Pressure	180		250		500		700		1200	2100
最大行程 (mm) Max. Stroke	100 × 50		100 × 50		100 × 50		100 × 50		100 × 50	100 × 50
中心喉度 (mm) Max. Depth	60	A	60	A	120	A	150	A	150	170
	60	B	60	B	120	B	150	B		
機械高度 (mm) Height Of Machine	880		880		990		990		1000	1000



增壓壓床 PNEUMATIC BOOSTER PRESS

優點

1. 利用微小氣壓壓力產生油壓才能達到的大壓力。
2. 不需要油壓馬達、油箱，可節省成本及能源。
3. 二段式沖壓增加生產的效力。
4. 增壓後的壓力仍可繼續保持。

CHARACTERISTICS

1. Even small air pressure can produce large pressure that only the oil pressure can achieve.
2. It does not need the hydraulic motor and the oil tank, so it can save cost and energy.
3. The second way pressing, upgrading production efficiency.
4. It will keep in the boosting pressure after boosting.

機種 Type	KC-C-3	KC-C-5	KC-C-8	KC-4-3	KC-4-5	KC-4-8	KC-4-13	KC-4-20
最大壓力 (T) Max. Pressure	3	5	8	3	5	8	13	20
最大行程 (mm) Max. Stroke	100	100	100	100	100	100	100	100
加壓行程 (mm) Pressing Stroke	20	20	20	20	20	20	20	20
中心喉深 (mm) Max. Depth	150	170	210					
台面尺寸 (mm) Table Size	270 × 350	320 × 400	400 × 400	250 × 400	400 × 550	400 × 550	400 × 550	400 × 550
機械高度 (mm) Height Of Machine	1000	1000	1100	1800	1800	1800	1800	1800



PRECISION HYDRAULIC PRESS 油壓壓床

優點

1. 可任意選擇手動或自動。
2. 二段高低壓的設計，可增加生產速度。
3. 工作的壓力可做任意無段調整。
4. 中心高度可視工作物的不同而改變。
5. 採用PLC可程式控制器，另可配合周邊的配備聯合使用。

CHARACTERISTICS

1. Manual or auto may be selected optionally.
2. The second up-down pressure design, which can increase production speed.
3. Working pressure can be infinitely adjusted.
4. Center height can be changed which depends on workpiece different.
5. Adopting PLC programme controller, and also can match peripheral equipment together to use.

用途範圍

鉚合、沖孔、切斷、壓入、成形、彎曲、打印、裝配。

RANGE OF APPLICATIONS

Purpose for Rivet, Blanking, Shearing, Push, Forming, Bending, Punch, and Assembly.

機種 Type	OP-3	OP-5	OP-5D	OP-10	OP-20	OP-30	OP-50
速度 Speed	單速 Single Speed			雙速 Double Speed			
油缸內徑 (mm) Cylinder dia Spindle Diameter	φ80 × φ45	φ100 × φ55	φ80 × φ45	φ100 × φ70	φ125 × φ80	φ150 × φ85	φ200 × φ112
工作壓力 (kg/cm ²) Max. pressure	60	64	99	127	163	170	160
行程 (mm) Max. Stroke	200			250	350		
馬力 (Hp) Motor	2	3		5	7.5		
下降速度 (M/min) Down Speed	2.3	2.6	快Fast11 慢Slow2.78	快Fast11 慢Slow2.2	快Fast11 慢Slow1.42	快Fast6.6 慢Slow0.9	
上升速度 (M/min) Up Speed	7.9	4.8	16	10			4.9
台面尺寸 (mm) Table Size	350 × 500				500 × 600	500 × 650	600 × 700
最大開距 (mm) Open Height	220	350			500		



油壓壓床

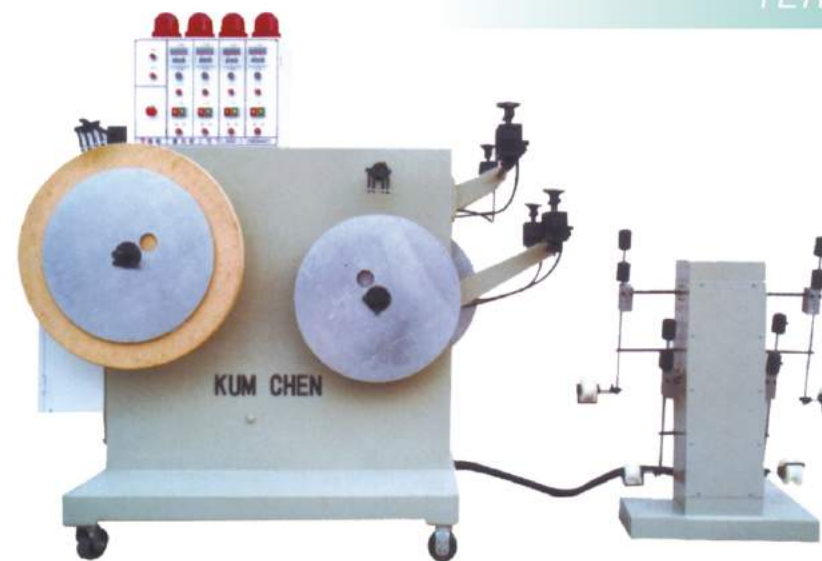
PRECISION HYDRAULIC PRESS

機種 Type	OP-4-3	OP-4-5	OP-4-5D	OP-4-10	OP-4-20	OP-4-30	OP-4-50
速度 Speed	單速 Single Speed		雙速 Double Speed				
油缸內軸徑(mm) Cylinder dia Spindle Diameter	φ80×φ45	φ100×φ55	φ80×φ45	φ100×φ70	φ125×φ80	φ150×φ85	φ200×φ112
工作壓力(kg/cm ²) Max.pressure	60	64	99	127	163	170	160
行程(mm) Max Stroke	200		250		350		
馬力(Hp) Motor	2	3		5	7.5		
下降速度(M/min) Down Speed	2.3	2.6	快Fast11 慢Slow2.78	快Fast11 慢Slow2.2	快Fast11 慢Slow1.42	快Fast6.6 慢Slow0.9	
上升速度(M/min) Up Speed	7.9	4.8	16		10		4.9
台面尺寸(mm) Table Size	350×500				500×600	500×650	600×700
最大開距(mm) Open Height	220	350		500			



TERMINAL UNCOILER

端子收料機

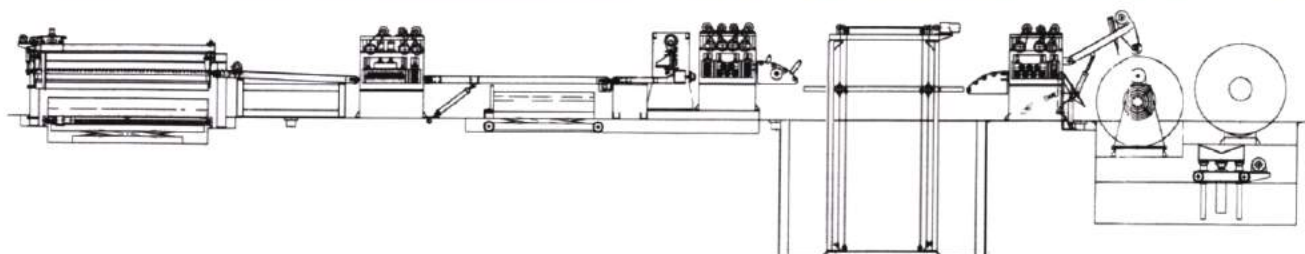


TR-4-4



鋼板整平裁剪機

STEEL SHEET STRAIGHTENING SHEARING MACHINE



TR-1-1

P.S.: TR-A(可調式Adjustable),F(固定式Fixed)

TR-1-1(A,F):單軸單盤端子收料機
TR-1-1(A,F): Single axis single suction cup terminal uncoiler

TR-1-2(A,F):單軸雙盤端子收料機
TR-1-2(A,F): Single axis twin suction cup terminal uncoiler

TR-2-2(A,F):雙軸雙盤端子收料機
TR-2-2(A,F): Twin axis twin suction cup terminal uncoiler

型式Model No	TR-1-1(A,F)	TR-1-2(A,F)	TR-2-2(A,F)
佔地面積(長×寬×高)mm Taking Area(L×W×H)	640×620×1240	600×600×1350	640×660×1240
機械重量Weight Of Machine(kgs)	50	80	
積載重量Max.Material Weight(kgs)	30		
馬力Power(kw)	0.35		
回轉數Rotation(rpm)	無段變數 (Variable Speed)		

空氣送料機

AIR FEEDER

標準型 STANDARD MODEL



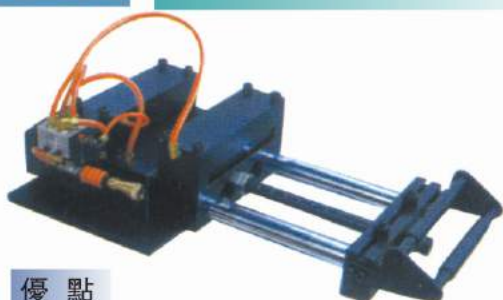
優點

1. 可送材料種類：金屬、紙帶類、塑膠。
2. 可送材料形狀：圓形、三角形、突起物。
3. 特別附件：AF-5C以上附緩衝器。

CHARACTERISTICS

1. Kind of material: metal, paper, plastic.
2. Shape of material: round triangle.
3. Special accessories: AF-5C buffer.

強力型 HEAVY DUTY TYPE



優點

加大型氣瓶拉力，夾力。可送厚板及超厚金屬板，料厚可達0.3~0.6mm。

CHARACTERISTICS

Material Thickness, 0.3~6.0mm.

E型電磁閥 E TYPE MAGNETIC VALVE



優點

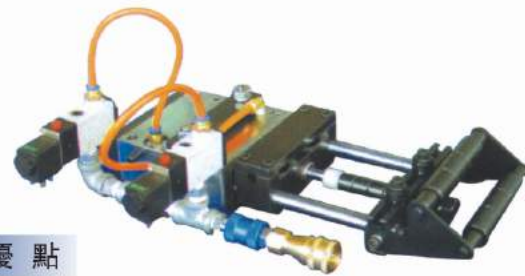
適裝于當沖床上下行程過程短或過長距離送料的情形下。

CHARACTERISTICS

Suitable for equipped in the case that the up-down step distance of lathe machine is too long.

R型電磁閥/E型電磁閥

LOOSE R MAGNETIC VALVE/E TYPE MAGNETIC VALVE



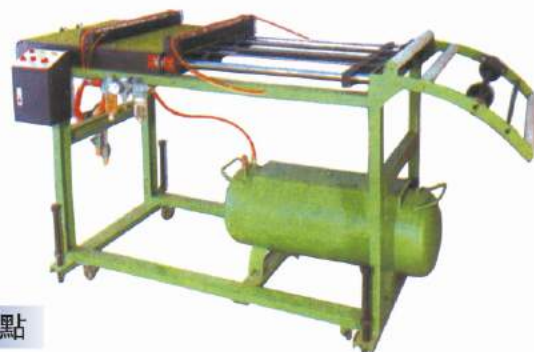
優點

須高精密送料情況下，可利用電磁閥放鬆固定夾板以修正誤差。

CHARACTERISTICS

You can utilize magnetic valve to release the fixed panel for correction under precision supply of materials.

特殊型 SPECIAL TYPE



優點

1. 適用於0.4mm~1.2mm之金屬板材料之進給最大公差。
2. 附裝活動式車架，可隨意變換材料高低與配合剪床沖床機種類。
3. 採用電氣控制，可設定進給時間快與慢。

CHARACTERISTICS

1. Suitable for material thickness of metal plate is between 0.4~1.2mm, and the max. tolerance of feeding is within 0.2mm
2. Attached installation movable bracket, it could match various shearing & press machines, and upon to your change material height.

機種Type	AF-450	AF-500	AF-600	AF-650	AF-800	AF-1300
料寬Width(mm)	450	500	600	650	800	1300
料厚Thickness(mm)	2.5	2.5	2.5	2.5	2.5	2.5
料長Length(mm)	450	500	600	650	800	1300
壓力Pressure(kg/cm ²)	6~7	6~7	6~7	6~7	6~7	7~8
SPM	35	35	30	30	30	23

ZIG-ZAG AIR FEEDER

左右偏移裝置空氣送料機

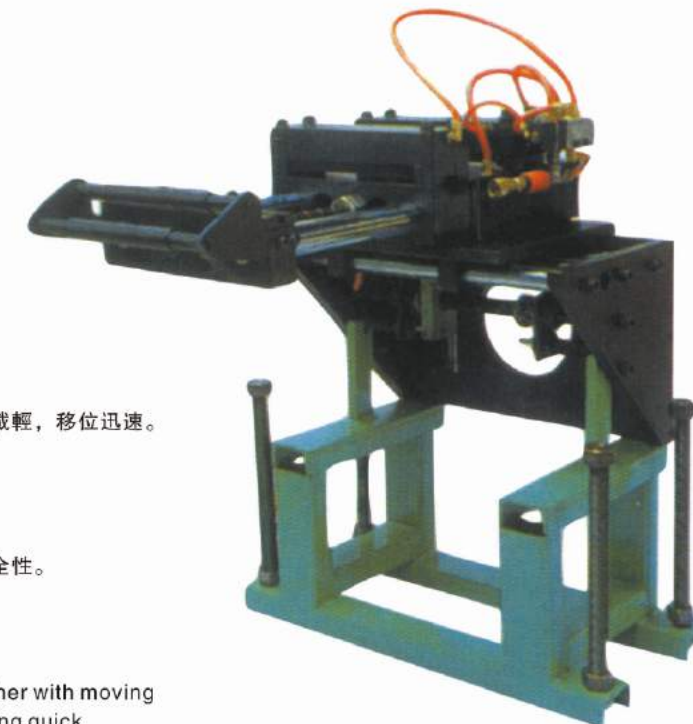


優點

1. 支撐採用直向軸承，配合圓棒滑移，無噪音，耐磨性高，負載輕，移位迅速。
2. 縮短換料時間，並節省材料。
3. 操作簡單，保養容易，精度準確。
4. 可任意選擇單送料或左右送料。
5. 附有台架，可任意調整送料線高低。
6. 強硬的本體設計，特殊的氣流回路增加了耐用度、壽命及安全性。

CHARACTERISTICS

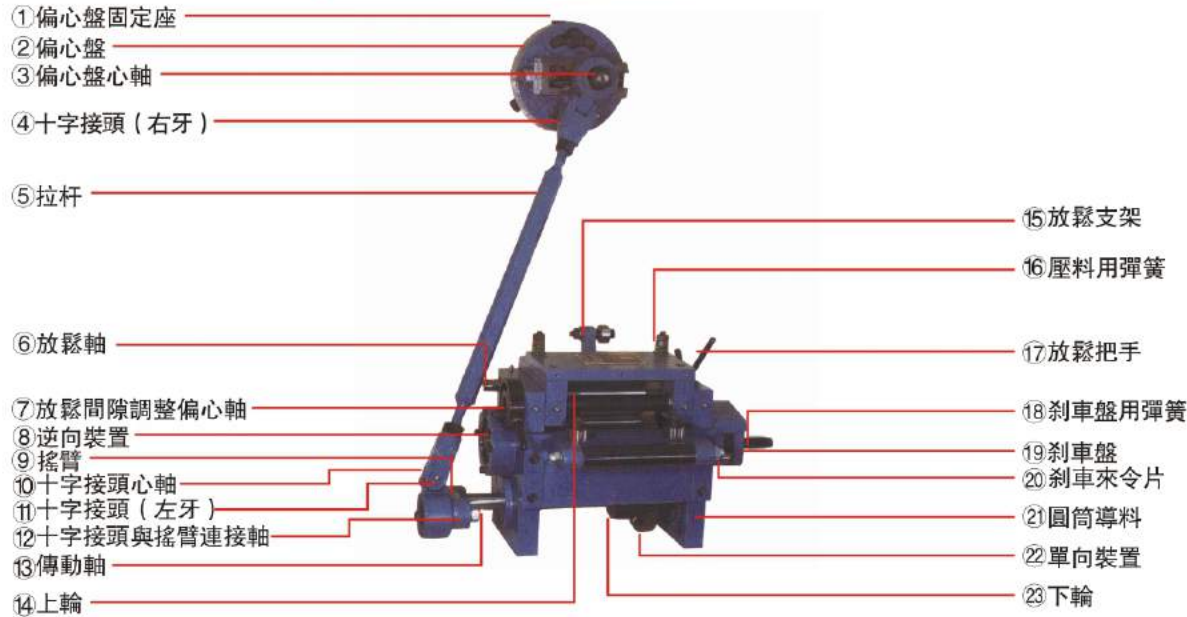
1. Straight bearings are employed to support the feeder together with moving on a round shaft, noiseless, hard to wear, light-loaded, moving quick.
2. Shorten the time of changing the materials and save some materials.
3. Operation is simple, maintenance is easy and accuracy is high.
4. Single feeding and left-right feeding are selected optionally.
5. Attached feeder bracket, feeding height can be adjusted optionally.
6. Strong-hard body structure, special design of air loop circle, intensity durables, long life and safety.



型式Model No	AF-1C	AF-2C	AF-3C	AF-4C	AF-5C	AF-6C	AF-7C	AF-8C	AF-9C	AF-10C	AF-11C
最大送料寬度 Width max(mm)	50	65	80	100	150	200	250	300	350	400	450
最大送料長度 Length max(mm)	50	78	78	128	150	200	250	300	350	400	450
材料厚度 Thickness(mm)	0.5	0.8	1.2	1.5	2	2.5	2.5	2.5	2.5	2	2
空氣壓力 Air Consup(L/mm)	4.5										
最大送料之S.P.M Speed max	200	160	150	93	80	60	48	40	35	30	25
固定夾板摩擦力 Movable Stock Of.Force(kg)	10	27	40	55	78	78	107	107	119	119	119
移動夾板摩擦力 Movable Stock Of.Force(kg)	30	49	65.5	72.5	144.5	169	200	217	220	245	245
引張力 Pulling Of Force(kg)	14	16.5	19.5	25.5	41	41	67	74	77	85	85
空氣消耗量 Air press(kg/cm ²)	26.5	38.5	47	58.6	109.5	108.5	152	162.5	174.2	182.5	170.5
質量(包括工具) Weight(Include Tool)(kg)	8.8	9.6	12.8	19.6	38.4	52.4	80	95	158	178	200

高速滾輪送料機

ROLLER FEEDER



送料精度: 依回轉及送料長度有所不同, 一般其精度在0.05mm
若是導槽作定位時, 更可得±0.01mm的精度。

型 式: 單式: 適用於捲料(厚度0.15mm以上),
單製品或連續沖製品時用之。
複式: 適用於捲料(厚度0.15mm以下),
短尺材料、單製品或連續沖製品時用之。

Feed Accuracy: Depends on feed length of stock and stroke of press, the general accuracy is within ±0.05mm.
And can be better up to ±0.01mm by pilot pin with automatic stop system

Type: Single Type: for cutting stock at certain length or coiling back the finished products.
Double Type: for there is any stuff left after stamping, and for short or thin stock.

優點

1. 生產性(可多工程連續加工)。
2. 高速性(每分鐘可達600次)。
3. 泛用性(無論材料之寬度與厚度, 只需調整送料機去配合模具即可使用)。
4. 構造簡單, 經濟實用, 耐用。
5. 壽命長, 精度好, 故障率低, 保養容易。

CHARACTERISTICS

1. Productive (Processing continuously)
2. High-speed (600times/minute)
3. Suitability (No matter how wide or thick the material, it will work when the feeder is adjusted to fit the mould.)
4. The structure is simple, economical and solid as well.
5. It has a long life, high precision, easy to maintain and low rate of breaking downs.

型式Model No	滾輪寬度(mm) Roller Width	送料長度(mm) Feed Length	材料厚度(mm) Material thickness	材料線高度(mm) Material Line Height	沖床噸數(T) Capacity Of Press	
RF-105NS	100	50	0~1.6	55~100	5~20	
RF-205NS	200				20	
RF-255NS	250				40	
RF-305NS	300					
RF-355NS	350					
RF-405NS	400					
RF-455NS	450					
RF-505NS	500					
RF-555NS	550					110
RF-605NS	600					
RF-138NS	130	80	60~120	10~60		
RF-188NS	180			20~60		
RF-1310NS	130	100	70~140	40~60		
RF-2010NS	200			40~80		
RF-3010NS	300			60~160		
RF-4010NS	400			80~260		
RF-5010NS	500			110~260		
RF-6010NS	600			160~260		
RF-7010NS	700					
RF-1315NS	130			150	100~190	40~60
RF-2015NS	200					40~80
RF-3015NS	300					60~160
RF-4015NS	400	80~260				
RF-5015NS	500	110~260				
RF-6015NS	600	160~260				
RF-7015NS	700					
RF-1320NS	130	200	160~250			40~60
RF-2020NS	200					40~80
RF-3020NS	300					60~160
RF-4020NS	400			80~260		
RF-5020NS	500			110~260		
RF-6020NS	600			160~260		
RF-7020NS	700					
RF-2030NS	200			300	110~260	60~160
RF-3030NS	300					80~200
RF-4030NS	400					
RF-5030NS	500	110~260				
RF-6030NS	600					
RF-7030NS	700	80~260				
RF-3045NS	300		110~260			
RF-4045NS	400					
RF-5045NS	500	450	110~260			

CAM FEEDER(GEAR CHANGE SYSTEM)

凸輪驅動送料機

優點

最適合用 要求高速加工而且需要高精度送料之沖成品。
適用於厚薄不同, 送距長短不一, 寬窄變化的使用範圍最廣的送料裝置。
不需要調整送料厚度, 送距僅靠齒輪變換即可。

標準規格(或設計)說明

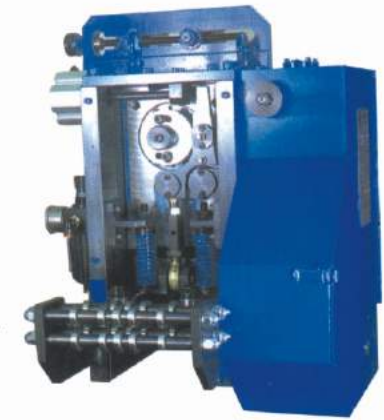
利用凸輪驅動式的間歇型送料方式。
送料送距的變更是由2-4個滾輪的變換而完成。
是下部滾輪驅動方式而上部滾輪則由彈簧壓着。
插入材料時, 上下滾輪的放鬆則由空氣閥的手動開關操作。
給油裝置是分割器內凸輪部分為油槽式, 而其他齒輪部分為自動給油裝置。
上下滾輪實施有鍍硬鉻處理。

CHARACTERISTICS

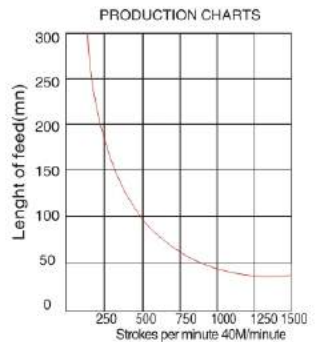
Cam feed(Gear change system)
Most suitable for processing the products requiring high feed accuracy at a high speed.
This is the feeder enjoying widest range of applications covering thin to thick materials, length from short to long and width from wide to narrow.
No need of plate thickness adjustment. Feed length can be altered by changing the gear. No skill needed.

SPECIFICATIONS

Intermittent roll feed adopting the cam driving system.
Feed length is altered by changing 2 to 4 pieces of gears.
The system is driven by lower roll. The upper roll is pressed by the spring.
Manual change of the air valve is used to release the upper and lower rolls in case of inserting the material.
Index cams are lubricated in oil bath and gear system is lubricated automatically.
Upper and lower rolls are hard chrome plated.



FGC-150S



GRIPPER FEEDER(TO FEED BY GRIPPER)

夾式送料機

優點

最適合用於要求高速加工, 且需要高精度送料之沖成品。(每分鐘送料1000次)
材料表面如有電鍍, 並不會留下壓痕, 使成品外觀良好。
操作簡單, 穩定性良好。

標準規格(或設計)說明

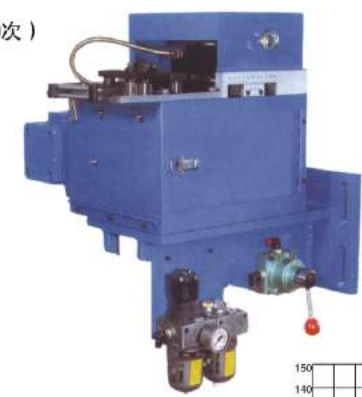
板厚調整依材料之厚度來調整上壓板之間隙與氣壓。
送料長度用曲軸偏心量來調整(用塊規方式來量長度亦可)。
上面壓板是氣壓式(壓力可調整)。
插入材料時, 上下壓板的放鬆用空氣閥的手動開關來操作。
給油裝置, 齒輪箱部分為油槽式, 其他軸承部分為黃油給油式。

CHARACTERISTICS

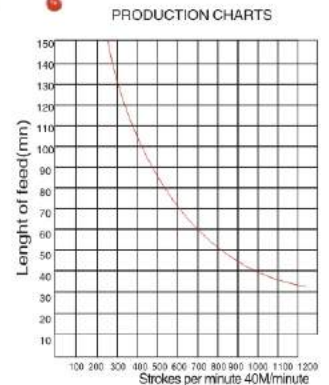
Gripper feed (To feed by gripper)
Most suitable for high speed production, and demand of accurate material feeding on stamping machine. (1000 times feeding per minute)
Keep the electric plated sheet with good surface without scratch after stamping.
Easy operation and reliable.

STANDARD SPECIFICATION

Thickness adjustment to be made by the gap of upper plate and air pressure.
Feed length adjustment to be made by off-set of crank (or by gauge block to measure the length).
Upper plate is pneumatic (adjustable pressure).
For sheet material insertion the upper and lower plate are released by manual switch of air valve.
Gear box is lubricated by oil sink, and the bearing are lubricated by grease feeding.



GF-906



NC伺服送料機

NC SERVO FEEDER



NC-500
NC-600



NC-200
NC-300
NC-400



優點

- 1、採用AC伺服馬達控制送料，保證其精度。
- 2、滾輪優質材料制作，表面鍍硬鉻，其硬度高，耐磨損，壽命長。
- 3、可任意設定送料長度與速度，操作簡便，安全及穩定性高。
- 4、多功能的控制方式，方便與沖床自動化連接使用，完全與沖床同步。
- 5、人機界面的操作，增強送料多項功能，另可作多段式送料設定，改善單一沖壓件不同尺寸送料的問題。

CHARACTERISTICS

1. Adopting AC servo-motor to control the feeder to keep high accuracy.
2. Rollers are made of high-quality material, surface hard chrome plated, having high hardness, long life, hard to wear.
3. Any length of the materials and speed may be set willfully. Operation is easy with security and high stability;
4. Multi-functional controlling method facilitates it to link the press automation. It can fully synchornize with the press.
5. Adopting Human-Machine Control, which can intensify feeding functions, and also can do programmable punch to improve single pressing workpiece different size questions.

用途範圍

各種五金、電子組合、工作類、金黃色屬片、鍍鋅版、電鍍板、日光燈反光板、玩具及汽車零件、各類鍍金沖壓。

RANGE OF APPLICATIONS

All kinds of hardware, electronic combinations, tools metal pieces, zinc-plating sheets, electroplating sheets.

NC-5045



NC-1500



型式 Model No	材料寬度(mm) Material Width	材料厚度(mm) Thickness	送料速度(M/min) Feed Speed Max	送料長度(mm) Feed Length Max	使用壓力(kg/cm ²) Air Pressure	放鬆裝置 Release Equipment
NC-200	200	0.3-3.0	100	9999.99	4-5	氣壓式 Pneumatic
NC-300	300					
NC-400	400					
NC-500	500	0.3-2.0				
NC-600	600					
NC-800	800	0.3-1.6	60			
NC-2045	200	0.3-4.5				
NC-3045	300					
NC-4045	400					
NC-5045	500	0.3-4.0				
NC-6040	600					

平面(模)式電子控制材料架

ELECTRONIC FLAT UNCOILER

優點

1. 變頻送料, 無接點式的追蹤器, 速度可任意調整。
2. 捲料積材可重疊放置, 減少堆料次數, 節省換料時間。
3. 操作簡便, 結構堅固。
4. 附有安全急停裝置, 當無材料或材料過剩時, 都有自我檢測功能。
5. 旋轉的角度, 運轉平穩沒有死角, 可與矯正機配合使用。
6. 材料堆積可調整控制杆的高度, 亦可任意升高降低。

CHARACTERISTICS

1. Feeding with inverter, tracer without joints and speed may be adjusted willfully.
2. Coil storage may be overlapped so as to reduce loading times and save time in replacing materials.
3. Operation is easy and structure is solid.
4. Attached safety emergency device, it will inspect itself when no materials or over materials.
5. Rotating angle, operation is smooth without dead angle, which can match leveler to use.
6. Coil storage can be adjusted, the height of the control bar also can be adjusted willfully.



型式 Model No	KCU-800	KCU-1000	KCU-1500
材料厚度 Max. Material Thickness(mm)	1.2		
材料寬度 Max. Material Width(mm)	120		150
積載重量 Max. Material Weight(kgs)	800	1000	1500
積載高度 Height(mm/max)	500		
捲料外徑 Max. Coil O. Dia(mm)	φ 800	φ 1000	φ 1200
馬達 Motor(Hp)	1/2		1
回轉數 Rotation(rpm)	0-24		
變頻器 Inverter(Hp)	With Inverter		
機械重量 Weight Of Machine(kgs)	200	260	320

AUTO MANDREL REEL

自動材料架

優點

1. 採用感應接觸控制, 安全可靠, 簡便。
2. 可調整剎車, 中心軸加強可承載更重材料, 材料捲動時更平順。
3. 本機可單獨使用, 同時可配合DMT型使用, 效果良好。
4. 依出料速度之需要, 可用無段變速裝置。

CHARACTERISTICS

1. Induction contact control is fitted, it is easy and safe to operate it.
2. The braking device may be adjusted, its shaft is reinforced and will load more. The rolling of material will be more smooth.
3. This machine may be used separately or with model gl or hl effectively.
4. Variable-speed may be option, according to the requirement of feeding speed.



CR-100

型式 Model No	最大寬度(mm) Max. Material Width	鋼板厚度(mm) Material Thickness	使用外徑(mm) Coil O.D Max	使用內徑(mm) Coil I.D Max	使用重量(kg) Coil Weight Max.
(D)MT-300-5	300	0.35-1.6	φ 1200	φ 450-φ 530	500
(D)MT-300-10					1000
(D)MT-300-30					3000
(D)MT-400-5	400	0.35-1.6			500
(D)MT-400-10					1000
(D)MT-400-30					3000
(D)MT-500-15	500		0.35-1.6	1500	
(D)MT-500-30				3000	
(D)MT-600-15				1500	
(D)MT-600-30	600	0.35-1.6		3000	
(D)MT-800-15				1500	
(D)MT-800-30				3000	



CR-100H

優點

- 固定式和手搖式兩種張料方式的區別:
 固定式: 適用於內徑細之捲料。
 手搖式: 操作方便, 節省時間, 提高生產力。
 感應式和微動式兩種張料方式的區別:
 感應式: 金屬棒導電磁感應適用於送料, 配合沖床加工。
 微動式: 電子微動控制適用於沖床之配合收送材料。

CHARACTERISTICS

- Difference between fixed and manual methods.
 Fixed: It is suitable for coil stock with small internal diameters.
 Manual: Its operation is easy and it may save a lot of time, high efficiency.
 Difference between inductive control and micro control:
 Inductive control: Metal bar conducting induction suits feeding, it may fit press continuous processing.
 Micro control: Electronic micro control fits press to take in and send materials.

型式 Model No	材料內徑(mm) Material I.D	材料外徑(mm) Material O.D	材料寬度(mm) Material Width	材料重量(kg) Material Weight	輸出軸(rpm) Main Shaft	電動機(Hp) Motor
CR-100	130-410	800	160	100	21	1/4
CR-100H	310-550	800	160	100	21	1/4
CR-150	130-510	1200	200	150	28	1/2
CR-150H	310-550	1200	200	150	28	1/2

DML-雙頭自動材料矯正機(分離式)

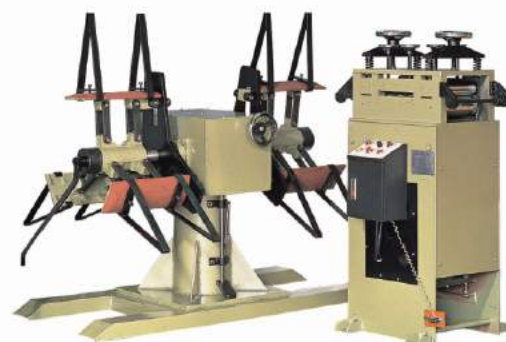
DML-DOUBLE UNCOILER & STRAIGHTENER(SEPARATE TYPE)

優點

1. 材料架與矯正機可作連接式，效果良好。
2. 雙料架可連續交替使用，節省裝料時間，提高效率。
3. 適合較重的捲料，減少材料更換時間。
4. 材料較不易滑動，操作較平順。
5. 剎車裝置，改善了機台的震動與材料的損傷。

CHARACTERISTICS

1. The uncoiler and the leveler may be linked together effectively.
2. Double-uncoiler may be used alternatively to save loading time and raise efficiency.
3. It is suitable for heavy coiler, saving time of replacing materials.
4. Materials don't slip easily, operation is more smooth.
5. Attached brake device, it can improve shakes of machine and injury of materials.



ML-單頭自動送料矯正機(分離式)

ML-SINGLE UNCOILER & STRAGHTENER(SEPARATE TYPE)



特殊附屬配備 空壓壓臂 自動張料 入料汽缸 變頻器 優力膠輪 蝸輪間隙調整 精度刻度表

OPTIONAL ACCESSORIES

Pneumatic Arm Auto Expansion Pinch Roller Opener Inverter2HP Poly-Urethane Roller Adjustment by Worm Gear Precision Micrometer

型式 Model No	最大寬度(mm) Max. Material Width	鋼板厚度(mm) Material Thickness	使用外徑(mm) Coil.O.D Max	使用內徑(mm) Coil.I.D Max	馬達(Hp) Motor	使用重量(kg) Coil Weight Max.
(D)ML-200-5	200	0.35-1.6	φ 1200	φ 450- φ 530	1	500
(D)ML-200A-15		0.35-2.5			2	1500
(D)ML-200B-30		0.35-3.2			5	3000
(D)ML-200B1-30		1.8-4.5				
(D)ML-200C-30		2.5-6				
(D)ML-300-5	300	0.35-1.4			1	500
(D)ML-300A-15		0.35-2.3			2	1500
(D)ML-300B-30		0.35-3.0			5	3000
(D)ML-300B1-30		1.8-4.5				
(D)ML-300C-30		2.5-6				
(D)ML-400-5	400	0.35-1.2	1	500		
(D)ML-400A-15		0.35-2.0	2	1500		
(D)ML-400B-30		0.35-2.5	5	3000		
(D)ML-400B1-30		0.35-1.6				
(D)ML-400C-30		0.35-3.0				
(D)ML-500A-15	500	0.35-1.6	5	1500		
(D)ML-500B-30		0.35-3.0		3000		
(D)ML500B1-30		1.8-4.5		3000		
(D)ML-500C-30		2.5-6		1500		
(D)ML-600A-15		600		0.35-1.6	5	1500
(D)ML-600B-30	0.35-3.0		3000			
(D)ML-600B1-30	1.8-4.5					
(D)ML-600C-30	2.5-6					

AUTO SCRAP CHOPPER

自動切廢料機

優點

1. 可獨立操作，體積小，不佔空間。
2. 操作方法簡單，確保安全，易於保養。
3. 刀口鋒利，力量大；切割中安靜無聲，且切刀活動並可隨意更換。

CHARACTERISTICS

1. Independent driving, take little space.
2. Easy to operate, easy to maintain and be sure of safe operation.
3. Blade sharp, powerful, chop quietly, and replace optionally.

型式 Model No	SKH-100	SKH-150	SKH-200
材料厚度Max. Material Thickness(mm)	1.2以下 below	1.6以下 below	2.0以下 below
材料寬度Max. Material Width(mm)	100	150	200
馬達Motor(Hp)	1/2	1	2
切料速度S.P.M. Chop Speed	90		



優點

"S" TYPE HIGH SPEED UNCOILER & LEVELER

S型雙頭材料矯正機

1. 高速雙頭送料矯正機，送料速度快，高精度，操作簡易
2. S型送料方式，有效減少振動，適用於高速沖床。
3. 變頻控制自動調速，雙頭料架節省裝料時間。
4. 擴張方式可採用手搖或油壓擴張。
5. 減少了換料時間與人力，提高生產效率。
6. 無用電眼，無接點式，無段速度控制出料，平穩順暢。
7. 附有安全急停裝置，當無材料或材料過剩時，都有自我檢測功能

CHARACTERISTICS

1. High-speed uncoiler & leveler, with high speed, high precision to and easy to operate.
2. S type feeding method may effectively reduce vibration. It suits high speed presses.
3. Frequency inverter control and auto speed adjusting, double-uncoiler saves loading time.
4. Expanding method may adopt manual or hydraulic.
5. Saving time & manpower when replacing materials, upgrading production efficiency.
6. Without photo-eyes, without joint-point, infinitely variable speeded, material-out smoothly.
7. Attached safety emergency stop device, it will inspect itself when no materials or over materials.

特殊附屬配備

自動張料 入料汽缸 變頻器

OPTIONAL ACCESSORIES

Auto Expansion Pinch Roller Opener



型式 Model No	DSL-150	DSL-200	DSL-300	DSL-400
材料寬度Material Width(mm)	150	200	300	400
材料厚度Material Thickness(mm)	0.35-1.6			
使用外徑Coil O.D. Max. (mm)	φ 1000	φ 1200		
使用內徑Coil I.D. Max. (mm)	φ 508 ± 20			
使用重量Coil Weight(kgs)	1500 × 2			
線速度Line Speed Max. (m/min)	15-35			
馬達Motor(Hp)	2Hp × 4p			

自動材料矯正機

AUTO LEVELER & CRADLE

型式 Model No	CL-150S	CL-150AS	CL-200S	CL-200AS	CL-300S	CL-300AS
最大寬度(mm) Max Material Width	150		200		300	
鋼板厚度(mm) Material Thickness	0.35-1.5	0.5-3.2	0.3-1.6	0.5-3	0.3-1.3	0.5-2.4
最大料重(kg) Max. Material Weight	300					
馬達Motor(HP)	1/2	2	1	2	1	2
送料滾輪(mm/pcs) Pinching Roller	Upper ϕ 60x2/Down ϕ 80x2					
矯正滾輪(mm/pcs) Work Roller	ϕ 50 x 7	ϕ 60 x 7	ϕ 50 x 7	ϕ 60 x 7	ϕ 50 x 7	ϕ 60 x 7



材料矯正機

LEVELER

優點

1. 採用感應接觸控制，安全可靠，簡便
2. 材料經矯正後，光滑平順無壓痕，不損材料表面
3. 本機可單獨使用，同時可配合MT型，DMT型使用，效果良好。
4. 依出料速度之需要，可用無段變速裝置。
5. 若有特殊規格，可依靠客戶需求設計製造。

CHARACTERISTICS

1. Induction-contact control is adopted so operation is easy and reliable.
2. Materials leveled are smooth and no dent. Surface wont be affected.
3. This machine may be used separately or with Model MT, Model DMT effectively.
4. Variable-speed unit may be employed according to the requirement of feeding speed.
5. Welcome your customer-made order for special size required.



特殊附屬配備

入料汽缸 變頻器 優力膠輪
蝸輪間隙調整 精密刻度表

OPTIONAL ACCESSORIES

Pinch Roller Opener Inverter
Poly-Urethane Roller Adjustment by Worm Gear
Precision Micrometer

型式 Model No	GL-150	GL-150A	GL-200	GL-200A	GL-250	GL-250A	GL-300	GL-300A	GL-400	GL-400A	GL-500A	GL-600A	GL-700A	GL-800A
最大寬度(mm) Max Material Width	150		200		250		300		400		500		800	
鋼板厚度(mm) Material Thickness	0.35-1.6	0.5-3.2	0.3-1.6	0.5-3	0.3-1.4	0.5-2.5	0.3-1.3	0.5-2.4	0.3-1.0	0.5-2.0		0.5-1.6		0.5-1.6
馬達Motor(HP)	1/2	2	1	2	1	2	1	2	1	2	5		7.5	
送料滾輪(mm/pcs) Pinching Roller	Upper ϕ 60*2/Down ϕ 80*2													
矯正滾輪(mm/pcs) Work Roller	ϕ 50 x 7	ϕ 60 x 7	ϕ 50 x 7	ϕ 60 x 7	ϕ 50 x 7	ϕ 60 x 7	ϕ 50 x 7	ϕ 60 x 7	ϕ 50 x 7	ϕ 60 x 7	ϕ 60 x 7			

型式 Model No	GL-200B	GL-300B	GL-400B	GL-500B	GL-600B	GL-800B	GL-200B1	GL-300B1	GL-400B1	GL-500B1	GL-600B1	GL-800B1	GL-1000B1	GL-200C	GL-300C	GL-400C	GL-500C	GL-600C	GL-800C	GL-1000C	
最大寬度(mm) Max Material Width	200	300	400	500	600	800	200	300	400	500	600	800	1000	200	300	400	500	600	800	1000	
鋼板厚度(mm) Material Thickness	0.5-3.5		0.5-3.0		0.5-2.0		1.8-5.0		1.8-4.0		1.8-3.5		1.8-3.0		2.0-8.0		2.0-6.0		2.0-5.0		2.0-4.5
馬達Motor(HP)	2		5		5		7		10		5		7		10		7		10		
送料滾輪(mm/pcs) Pinching Roller	4				4				4				4								
矯正滾輪(mm/pcs) Work Roller	7				7				7				5								

HIGH PRECISION LEVELER

精密型矯正出料機

優點

1. 矯正精度配有精密量表示，調整精度為0.1mm
2. 矯正速度變頻控制，可無段設速。
3. 滾輪採用優質材料，其硬度高，強度大，耐磨損，使用壽命長。
4. 保證品質精度的提高。

CHARACTERISTICS

1. Leveling precision is displayed on the accurate measuring gauge. Adjusting accuracy reaches 0.1mm.
2. Leveling speed may be controlled by Frequency Inverter and it may be infinitely variable-speeded.
3. Rollers are made of quality material with high hardness and intensity, hard to wear, long life.
4. Product quality precision is sure to rise.

標準附屬配備

變頻器調速 調整量顯示百分表
電氣與操作控制箱 直立式滾輪料邊導引(六角板手調整)
機油式自動潤滑系統 萬向接頭傳動密封齒輪箱
承壓滾輪(上下各一組) 鍍硬鉻滾輪
操作說明書

STANDARD ACCESSORIES

Speed Adjustment by Inverter Adjusting value measuring gauge
Electronic & Control Box Vertical roller end guide
(hexagon tool adjustment)
Machine Oil Lubricating System Universal Joint Driven Gear Box
Bearing Pressure Roller (up/down) Plated hard Chrome Roller
Operation Manual



型式 Model No	HL-100	HL-100M	HL-100S	HL-200	HL-200M	HL-200S	HL-300	HL-300M	HL-300S	HL-400	HL-400M	HL-400S
最大寬度(mm) Max Material Width	100		200		300		400					
鋼板厚度(mm) Material Thickness	0.1-1.0	0.2-2.0	0.5-4.0	0.1-1.0	0.2-2.0	0.5-4.0	0.1-1.0	0.2-2.0	0.5-4.0	0.1-1.0	0.2-2.0	0.5-4.0
減速機 Reducer	1/5											
馬達(HP) Motor	2	2	3	2	2	3	3	3	5	3	3	5
送料滾輪(mm/pcs) Pinching Roller	ϕ 12	ϕ 19	ϕ 25	ϕ 12	ϕ 19	ϕ 25	ϕ 12	ϕ 19	ϕ 25	ϕ 12	ϕ 19	ϕ 25
滾輪數 Roller Number	上Up9/下down10											
速度調整(M/min) Speed Adujstment	1-14											



NCL-A

標準附屬配備

空壓壓臂
無料檢知
放鬆裝置
A型夾板
電眼控制材料起動停止
安全外蓋
機體連座
搖控裝置
導引滾輪夾具
送料多段設定

STANDARD ACCESSORIES

Pneumatic Arm
End of Stock Detector Release
A Type Guide
Sensor Control
Safety cover
Connective Base
Remote control
Center Roller Guide
Programmable Punch

特殊附屬配備

自動張料
引橋
機身升降電動式
滾輪夾板
台車
動力壓料輪

OPTIONAL ACCESSORIES

Auto Expansion
Threading Table
Feeding Line Adjustment
Roll Type Coil Guide
Coil Car
Pneumatic Holder with Motorized



NCL-B



NCL-1300B

標準附屬配備

空壓壓臂
無料檢知
放鬆裝置
電眼控制材料起動停止
安全外蓋
搖控裝置
導引滾輪夾具
自動張料
引橋
機身升降手動式
滾輪夾板

STANDARD ACCESSORIES

Pneumatic Arm
End of Stock Detector Release
Release
Sensor control
Safety cover
Remote Control
Center roller Guide
Auto Expansion
Threading Table
Feeding line Adjustment
Roll Type Coil Guide

特殊附屬配備

台車
送料多段設定
動力壓料輪

OPTIONAL ACCESSORIES

Coil Car
Programmable Punch
Pneumatic Holder With Motorized

優點

1. 採用AC伺服馬達控制送料，保證其精度。
2. 料架，矯正，送料三機一體，節省空間。
3. 滾輪採用優質合金材料制作，硬度高，耐磨損，壽命長。
4. 人性化設計，操作輕盈，方便省力，極大縮短工作準備時間，提高生產效力。
5. 可任意設定送料長度與速度，操作簡便。
6. 適用於矯正精度要求較高之加工品質。
7. 人機界面的操作，增強送料多項功能，另可作多段式送料設定，改善單一沖壓件不同尺寸送料的問題。

CHARACTERISTICS

1. Adopting AC servo-motor to control the feeder to keep high accuracy.
2. Uncoiler, leveler and feeder, which is combined in one unit, saving space.
3. Rollers are made of high-quality alloy material, they are of high hardness, hard to wear and long life.
4. It's humanity design easy to operate, saving a lot of time in preparation and upgrading production efficiency.
5. Any speed and length of the materials may be set willfully.
6. It is suitable for leveling the materials of high precision.
7. Adopting Human-Machine Control, which can intensify feeding functions, and also can do programmable punch to improve single pressing workpiece different size questions.

用途範圍

各種五金、電子組合、工作類、金黃色屬片、鍍鋅版、電鍍板、日光燈反光板、玩具及汽車零件、各類鍍金沖壓。

RANGE OF APPLICATIONS

All kinds of hardware, electronic combinations, tools, metal pieces, zinc-plating sheets, electroplating sheets.

型式 Model No	NCL-30A	NCL-40A	NCL-50A	NCL-60A	NCL-70A	NCL-80A	NCL-30B	NCL-40B	NCL-50B	NCL-60B	NCL-70B	NCL-80B	NCL-40B1	NCL-50B1	NCL-60B1	NCL-70B1	NCL-80B1	NCL-101B1	NCL-130B1		
材料寬度 Stock Width(mm)	300	400	500	600	700	800	300	400	500	600	700	800	400	500	600	700	800	1000	1300		
材料厚度 Stock Thickness(mm)	0.3-3.2						0.3-4.5						0.3-6.0								
使用重量 Coil Weight Max(Kgs)	1500			3000			1500			3000			3000			5000					
材料厚度 / 寬度 Thickness/Width(mm)	0.3-2.0/300 3.2/150	0.3-1.6/400 3.2/150	0.3-1.4/500 3.2/130	0.3-1.2/600 3.2/130	0.3-1.0/700 3.2/110	0.3-1.0/800 3.2/110	0.3-2.5/300 4.5/190	0.3-2.5/400 4.5/190	0.3-2.0/500 4.5/160	0.3-1.6/600 4.5/160	0.3-1.2/700 4.5/150	0.3-1.0/800 4.5/150	0.3-4.0/400 6.0/200	0.3-3.2/500 6.0/200	0.3-3.0/600 6.0/200	0.3-3.0/700 6.0/200	0.3-2.5/800 6.0/200	0.3-1.8/1000 6.0/200	0.3-1.4/1300 6.0/200		
使用外徑 Coil O.D. Max(mm)	φ 1200						φ 1400						φ 1400								
使用內徑 Coil I.D. Max(mm)	φ 508																				
送料長 Feeding Length(mm)	~500						~500						~500								
送料速度 Line Speed Max (M/min)	16						18						18								
送料線高 Line Height(mm)	1300 ± 100																				
進料滾輪 In Roller(mm x pcs)	φ 72 × 2						φ 84 × 2						φ 120 × 1 / φ 100 × 1								
矯正滾輪 Straightening Roller(mm x pcs)	Upper4/下Down3						Upper4/下Down3						Upper4/下Down3								
送料滾輪 Feeding Roller(mm x pcs)	φ 72 × 2						φ 84 × 2						φ 150 × 2								
材料放鬆方式 Release Way	空壓式Pneumatic																				
矯正滾輪調整方式 Straightening Roller Adjusting Way	蝸輪式Worm Gear, 手動調整By Manual																				
料架馬達 Uncoiler Motor(Hp)	1			2			1			2			2			3					
伺服馬達 Servo Motor(kw)	AC 2.0			AC 3.5			AC 2.0			AC 3.5			AC 5.0			AC 5.0			AC 7.0		
料架擴張方式 Mandrel Expansion	手動擴張Manual/油壓擴張Hydraulic																				
擴張範圍 Expansion Range(mm)	φ 480-φ 520																				
料捲末端檢知 End of Stock Detector	極限開關檢知Limited Switch Detector																				

NCL-C



標準附屬配備

空壓壓臂
放鬆裝置
安全外蓋
導引滾輪夾具
引橋
滾輪夾板
送料多段設定

無料檢知
電眼控制材料起動停止
搖控裝置
自動張料
機身升降電動式
動力壓料輪

STANDARD ACCESSORIES

Pneumatic Arm
Release
Safety Cover
Remote Control
Threading Table
Roll Type Coil Guide
Programmable Punch
End of Stock Detector
Sensor Control
Connective Base
Auto Expansion
Feeding Line Adjustment
Pneumatic Holder With Motorized

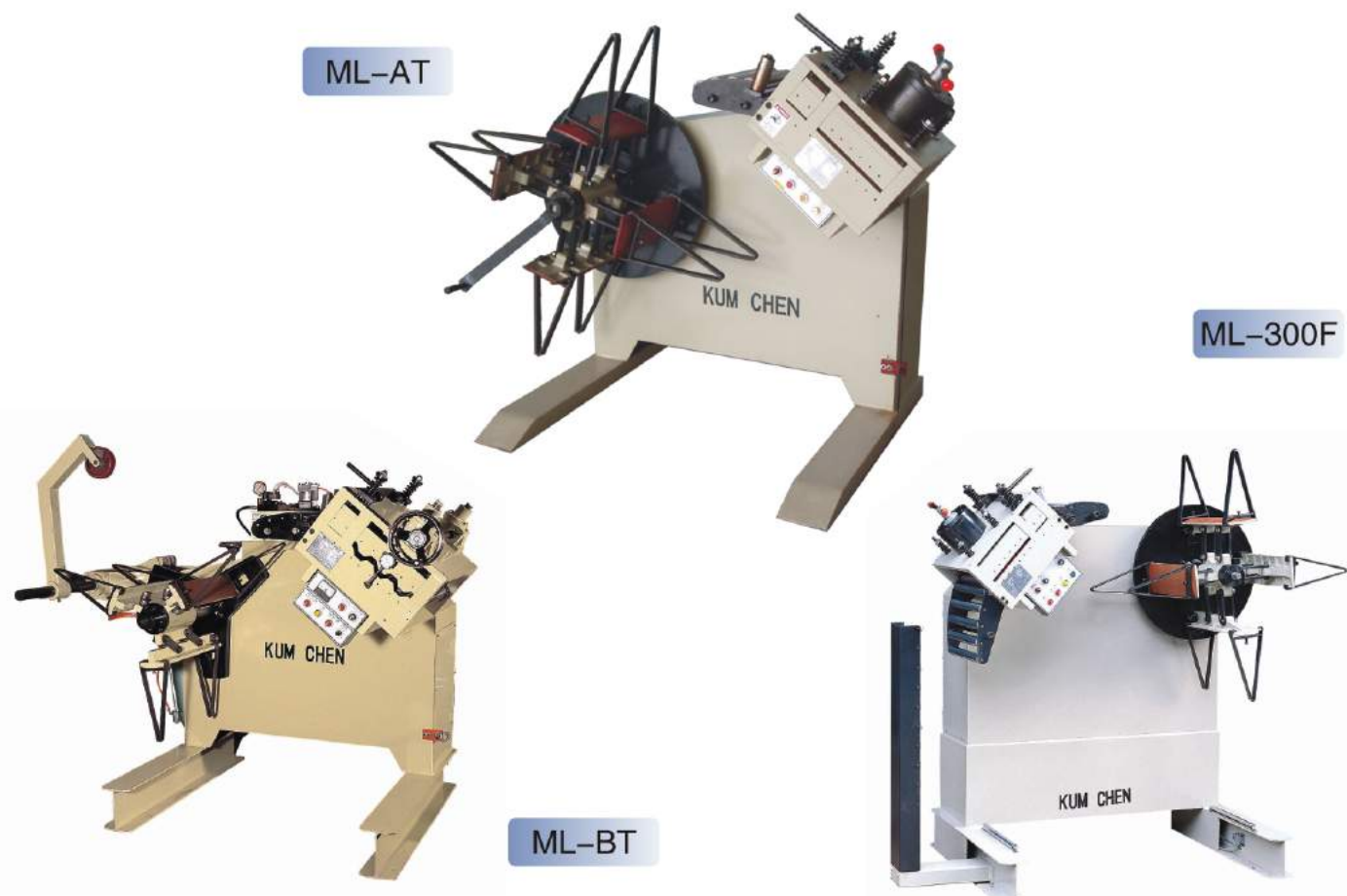
型式 Model No	NCL-40C	NCL-50C	NCL-60C	NCL-70C	NCL-80C	NCL-100C	NCL-130C
材料寬度 Stock Width(mm)	400	500	600	700	800	1000	1300
材料厚度 Stock Thickness(mm)	1.2-7.0						
使用重量 Coil Weight Max(Kgs)	3000	5000					
材料厚度 / 寬度 Thickness/Width(mm)	1.2-6.0/400 7.0/300	1.2-4.5/500 7.0/250	1.2-4.0/600 7.0/250	1.2-3.2/700 7.0/250	1.2-2.5/800 7.0/250	1.2-1.8/1000 7.0/200	1.2-1.6/1300 7.0/150
使用外徑 Coil O.D. Max(mm)	φ 1400						
使用內徑 Coil I.D. Max(mm)	φ 508						
送料長 Feeding Length(mm)	~500						
送料速度 Line Speed Max.(M/min)	18						
送料線高 Line Height(min)	1300 ± 100						
進料滾輪 In Roller(mm x pcs)	φ 120 × 1 φ 150 × 1						
矯直滾輪 Straightening Roller(mm x pcs)	φ 108 × 5 (Upper 2 / Down 3)						
送料滾輪 Feeding Roller(mm x pcs)	φ 150 × 2						
材料放鬆方式 Release Way	空壓式 Pneumatic						
矯直滾輪調整方式 Straightening Roller Adjusting Way	蝸輪式 Worm Gear, 手動調整 By Manual						
料架馬達 Uncoiler Motor(HP)	2	3					
伺服馬達 Servo Motor(kw)	AC5.5						
料架張料方式 Mandrel Expansion	手動擴張 Manual / 油壓擴張 Hydraulic						
擴張範圍 Expansion Range(mm)	φ 480 - φ 520						
料捲末端檢知 End of Stock Detector	極限開關檢知 Limited Switch Detector						
本公司特殊規格設計							

型式 Model No	矯直能力表															
	0.3	1.0	1.2	1.4	1.6	1.8	2.0	2.5	3.0	3.2	4.0	4.5	5.0	6.0	7.0	
1300																
1000																
800																
700																
600																
500																
400																
300B1																
1000B1																
800B1																
700B1																
600B1																
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600B																
500B																
400B																
300B																
800A																
700A																
600A																
500A																
400A																
300A																

STRAIGHTENING PERFORMANCE

矯正能力

P.S.: 以上只供參考 THE ABOVE IS FOR REFERENCE



型式 Model No	ML-200 AT(F)	ML-300 AT(F)	ML-400 AT(F)	ML-500 AT(F)	ML-600 AT(F)	ML-700 AT(F)	ML-800 AT(F)	ML-200BT	ML-300BT	ML-400BT	ML-500BT	ML-600BT	ML-700BT	ML-800BT
最大寬度(mm) Max Material Width	200	300	400	500	600	700	800	200	300	400	500	600	700	800
鋼板厚度(mm) Material Thickness	0.35-2.5			0.35-2.0				0.35-3.5	0.35-3.2		0.35-2.5			
材料重量(kg) Material Weight	1500			3000				1500		3000				
材料外徑(mm) Material O.D				φ 1200				φ 1200						
材料內徑(mm) Material I.D				φ 508				φ 508						
線速度(M/min) Line Speed				13				13						
馬達(HP) Motor	1	2	變頻器Inverter 5					2	變頻器Inverter 5					
料架張料方式 Mandrel Expansion	手動擴張Manual/油壓擴張Hydraulic							手動擴張Manual/油壓擴張Hydraulic						
擴張範圍(mm) Expansion Range				φ 450- φ 530				φ 450- φ 530						

ML-B1T

優點

1. 料架及矯正機合為一體，採用傾斜式矯正方式，精度高，體積小，提高廠房可利用空間。
2. 採用精密微調裝置，刻度顯示，操作簡單，無需培訓。
3. 滾輪才用優質材料制作，其硬度高，耐磨損，壽命長。
4. 另可加無段變速調整，安全及穩定性高。
5. 機械運作時震動小，運轉極為穩定。
6. 若有特殊規格，可依客戶需求設計製造。

CHARACTERISTICS

1. This machine combines uncoiler and leveler in one compact unit, adopting leveling on a slant way, saving space and upgrading precision.
2. Adopting precision micro-adjusting device with the micrometer, it is easy to observe and operate in without the need of previous training.
3. The rollers are made of high-quality material, having high hardness, hard to wear and long life.
4. Another can extra install an Inverter, with security and high stability.
5. It is only with few shakes while machine is working, operation is extremely stable.
6. Welcome your customer-made order for special size required.

用途範圍

各種五金、電子組合、工作類、金黃色屬片、鍍鋅板、電鍍板、日光燈反光板、玩具及汽車零件、各類鍍金沖壓。

RANGE OF APPLICATIONS

All kinds of hardware, electronic combinations, tools, metal pieces, zinc-plating sheets, electroplating sheets.



型式 Model No	ML-200B1T	ML-300B1T	ML-400B1T	ML-500B1T	ML-600B1T	ML-700B1T	ML-800B1T	ML-200CT	ML-300CT	ML-400CT	ML-500CT	ML-600CT	ML-700CT	ML-800CT
最大寬度(mm) Max Material Width	200	300	400	500	600	700	800	200	300	400	500	600	700	800
鋼板厚度(mm) Material Thickness	1.8-5.0							2.5-8.0						
材料重量(kg) Material Weight	1500			3000				1500			3000			
材料外徑(mm) Material O.D				φ 1200				φ 1200						
材料內徑(mm) Material I.D				φ 508				φ 508						
線速度(M/min) Line Speed	13							13						
馬達(HP) Motor	變頻器Inverter 3			變頻器Inverter 5				變頻器Inverter 3		變頻器Inverter 5		變頻器Inverter 7.5		
料架張料方式 Mandrel Expansion	手動擴張Manual/油壓擴張Hydraulic							手動擴張Manual/油壓擴張Hydraulic						
擴張範圍(mm) Expansion Range	φ 450- φ 530							φ 450- φ 530						

MHL

優點

1. 採用精密微調裝置，刻度顯示，操作簡單，無需培訓。
2. 滾輪採用優質材料制作，其硬度高，耐磨損，壽命長。
3. 另可加裝無段變速調整，安全及穩定性高。
4. 機械運作時震動小，運轉極為穩定。
5. 若有特殊規格，可依客戶需求設計製造。

CHARACTERISTICS

1. Adopting precision micro-adjusting device with the micrometer, it is easy to observe and operate in without the need of previous training.
2. The rollers are made of high-quality material, having high hardness, hard to wear and long life.
3. Another can extra install an Inverter, with security and high stability.
4. It is only with few shakes while machine is working, operation is extremely stable.
5. Welcome your customer-made order for special size required.

用途範圍

各種五金、電子組合、工作類、金黃色屬片、鍍鋅板、電鍍板、日光燈反光板、玩具及汽車零件、各類鍍金沖壓。

RANGE OF APPLICATIONS

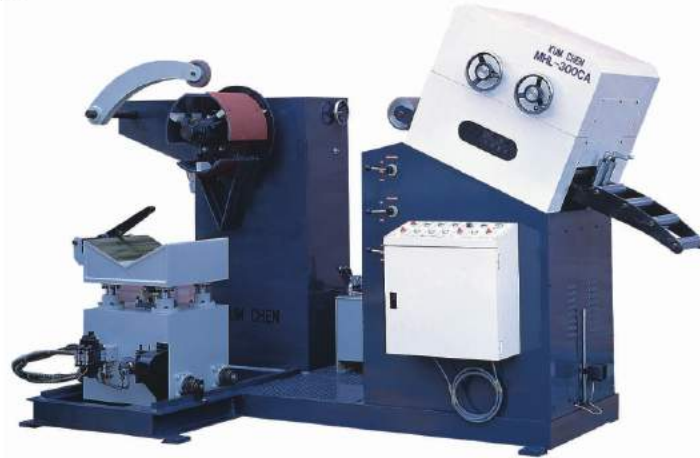
All kinds of hardware, electronic combinations, tools, metal pieces, zinc-plating sheets, electroplating sheets.

特殊附近屬配備

- 空壓壓臂 自動張料
- 變頻器 入料汽缸 台車

OPTIONAL ACCESSORIES

- Pneumatic Arm Inverter
- Auto Expansion Pinch Roller Opener
- Coil Car



型式 Model No	MHL-300	MHL-400	MHL-500	MHL-600	MHL-700	MHL-800
最大寬度(mm) Max Material Width	300	400	500	600	700	800
鋼板厚度(mm) Material Thickness	0.2-2.0		0.2-1.6		0.2-1.2	
使用重量(kg) Coil Weight Max.	1500		3000			
使用外徑(mm) Coil O.D.Max.	φ 1200					
使用內徑(mm) Coil I.D.Max.	φ 450- φ 530					
線速度(M/min) Line Speed Max.	20					
矯正滾輪(pcs) Work Roller	19(UPPER9/DOWN10)					
輔助滾輪(pcs) Auxiliary Roller	21					

PRECISION PRESS

桌上型沖床

TUP-2T



優點

電子、電器、端子、開關、插頭、天線、鐘錶、雨傘、塑膠、電話線、電腦線、皮包、皮帶、燈串、照相器材.....精密零件製造或組立。

CHARACTERISTICS

The Quality Machines Competent in Performing Press Riveting, Shearing, Bending, Forming, among Others, are widely used in such manufacturing fields as Electronic Goods, Electric Appliances, Office Machines, Musical Instruments, Optical Equipment.

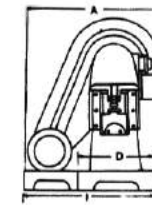


Fig. I

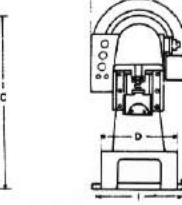
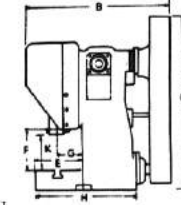
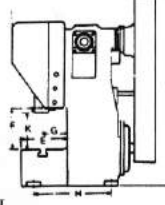


Fig. II



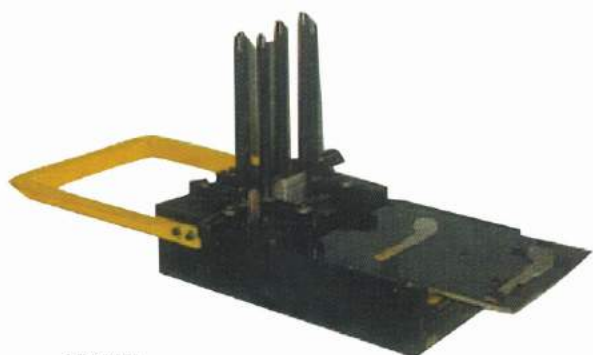
TUP-8T



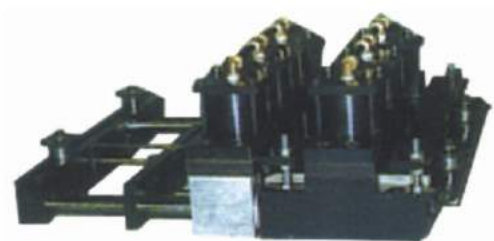
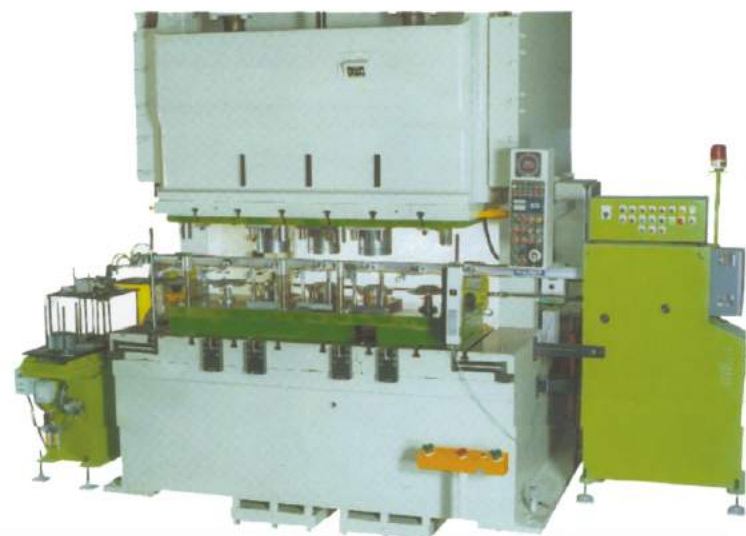
Model No	型式	TUP-2	TUP-5	TUP-8	TUP-10
Capacity(ton)	噸	2	5	8	10
Fig	圖	I	II	II	II
Stroke	行程	30mm	40mm	50mm	50mm
S.P.M(C.M.)	(連動)次/分	280	250	180	180
S.P.M(S.M.)	(單動)次/分	150	150	150	150
Mold Cavity Diameter	滑塊孔徑	1"40mm	1"45mm	1 1/2"55mm	1 1/2"55mm
Table Cavity Diameter	台面孔徑	75 × 75mm	80 × 130mm	225 × 120mm	225 × 120mm
Motor	馬力	1/4Hp × 4p	1Hp × 4p	1Hp × 4p	2Hp × 4p
Weight	總重	80kg	180kg	550kg	600kg
A × B × C	mm	440 × 450 × 590	480 × 620 × 820	660 × 700 × 1080	600 × 700 × 1080
D × E × F	mm	230 × 155 × 165	300 × 190 × 200	500 × 280 × 230	500 × 280 × 230
G × H	mm	80 × 320	100 × 330	145 × 500	145 × 500
L × K	mm	400 × 150	340 × 180	500 × 220	500 × 220

沖床多工程自動送料機械手

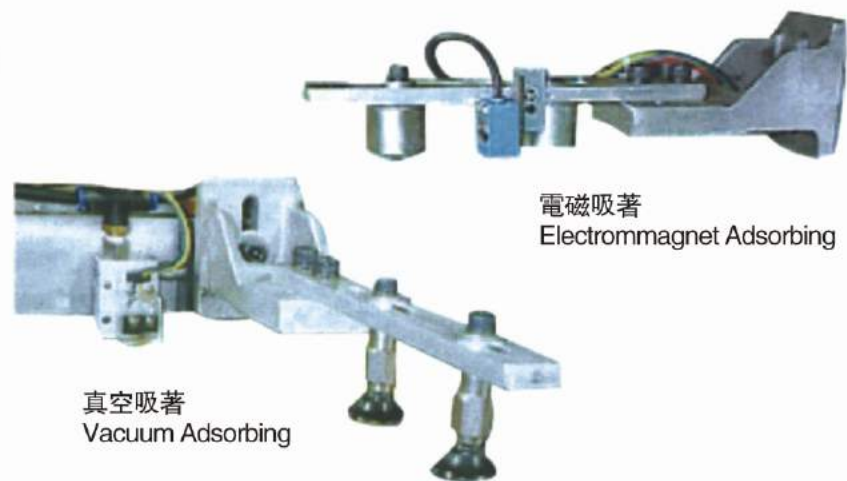
TRANSFER ROBOT



推料器
Dislodging Feeder



捲料直接送料機
Coil Stick Feeder
空氣送料機
Air Feeder



真空吸著
Vacuum Adsorbing

電磁吸著
Electromagnet Adsorbing

FULL AUTOMATIC SHORT STRIP SUPPLY DEVICE

短尺材全自動送料機



積料夾具座
Material Deposit
Clamping Holder



廢料排除機
Discard Remover



真空吸著裝置
Vacuum Adsorber
調整式送料台
Adjustable Feeder



空氣送料機
Air Feeder

型式 Model No	WRB-25	WRB-40	WRB-100
送料行程 Feeding Process (mm)	200-300	350-450	800-1200
上下行程 Up/Down Process(mm)	MA x 50		
循環時間 Cycle Time(sec)	2.1	2.5	4.5
吸著方式 Adsorb Function	真空Vacuum/吸鐵Adsorbing		
送料精度 Feeding Accuracy (mm)	± 0.5		
驅動方式 Drive Method	精密凸輪 Precision Cam		伺服馬達 Servo Motor

型式 Model No	WSD25	WSD35	WSD50	
規格 Standard	25T	35T	50T	廢料排除裝置 Discard Remover
材料寬度 Stock Width(mm)	MAX250	MAX350	MAX500	真空吸著 Vacuum Adsorbing
材料長度 Stock Length(mm)	1220-1550	1220-1550	1220-1550	積料夾具座 Material Deposit Clamping Holder
材料厚度 Stock Thickness(mm)	MAX3.2/6	MAX3.2/6	MAX3.2/6	空氣送料機 Air Feeder
積載高度 Height(mm)	400	400	400	上模脫料取出機 Upper die discharger
送料行程 Feeding Process(mm)	10-180	10-180	10-180	

下死點微調電腦檢知器

MICROCOMPUTER SENSOR



AX-01

AX-02

優點

- AX-01: 1 channel 下死點感應檢知, 1 channel 斷料, 送料A/B檢知
AX-02: 2 channel 下死點感應檢知, 2 channel 斷料, 送料A、B檢知
所有檢知皆可獨立或共同使用
- 針對高速自動沖床設計, 監視值設定與變差值u值, 顯示
- 能配合沖壓環境選用紅外線偵測器、近接開關、電眼、彈簧感測棒...
等做斷料、擠料, 或連續端子紙帶偵測
- 所有異常狀況, 實際應對LED面板所示
- 平均值AE/絕對值AS功能比較設定, 指撥式操作, 切換使用方便
- 精密度設定範圍±1μm-99μm
- 感應器操作距離0.5mm至1.5mm, (1mm±0.5mm) 操作容易
- 零組件精心挑選, 解析度高, 穩定性強
- 預防沖件重疊、跳屑、模具內異常等, 傷害模具或成品品質

CHARACTERISTICS

- AX-01: 1 channel sensor, 1 channel end of material, feed A/B to detect.
AX-02: 2 channel sensor, 2 channel end of material, feed A/B to detect all, it can be independent or common to use.
- According to high speed automatic power press design, supervision value set-up and tolerance value shows.
- Suitable for stamping environment, which can select infrared ray sensor, proximity switch, photo, eyes, spring induction rod...etc., to detect end of material, Buckling or continue terminals paper belt detection.
- All abnormal situation, the LED displays.
- Average value AE/absolute value AS function compare set-up, dial operation and easy to use.
- Accuracy option: ±1μm-99μm
- Sensor operation distance from 0.5mm to 1.5mm(1mm±0.5mm), easy to operate.
- Spare parts are meticulously selected, with high resolution and stability.
- Avoid workpiece overlapping scraps jumping inside mold abnormal, etc., to prevent injuring mold or finished quality.

異常輸出所示

- LED面板數字所示EE, 送料、斷料或擠料異常。
開關調至A接觸異常
開關調至B未接觸異常
- OP: 感測器及感測線斷線檢出
- SF: 沖床下死點周期異常或大異物卡料異常
- ±變差值數字所示異常: 變差值超過設定±監視值
- LO: 變差值低於0.5mm
- HI: 變差值超過1.5mm

ABNORMAL

- LED shows EE, it's abnormal for feeding and end of material or Buckling.
◆ Turn the switch to A, shows touching abnormal
◆ Turn the switch to B, shows touching not abnormal.
- OP: Sensor and sensor cable pull (drop) out.
- SF: Displays when press bottom dead center cycle is abnormal or blocking is abnormal. (exceed sensor inducting range.)
- ± Tolerance displays over pre-set value the Error lamp light up.
- LO: Too low then Error Lamp light up. (lower test distance 0.5 mm down)
- HI: Too high then Error Lamp light up. (Over test distance 1.5 mm up)

型式Model No	特點Features
AX-01	1Channel 下死點感應檢知 1Channel 斷料, 送料A/B檢知
AX-02	2Channel 下死點感應檢知, 2Channel 斷料, 送料A/B檢知所有檢知皆可獨立或共同使用

MULTI-FUNCTION MOLD DETECTOR

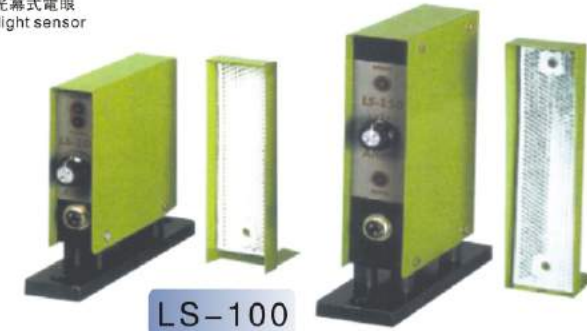
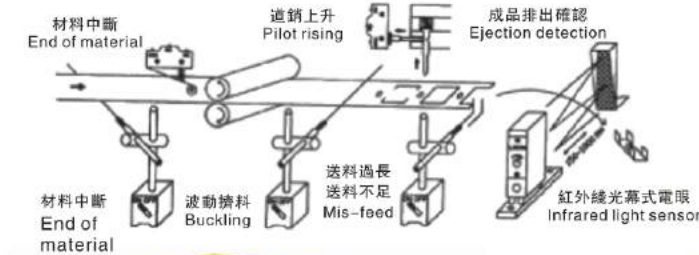
多功能模具安全檢出裝置

優點

- LS-150通過檢出器
- 高感度紅外線光幕反射式, 穩定性最佳。
- 應答速度最高100m/s, 2以上不透明體均可檢出。
- 設定距離150mm-1000mm, 感度可調整。
- 靜止的物件不會檢出。(如模板等)
- 電源電壓DC12V, 可與MD-902、9000B直接配合。

CHARACTERISTICS

- LS-150 Pass-Through Detector
- The stability of the detector with infrared ray optical reflex is very high.
 - It can detect the opaque body which is upon response speed 100m/s, 2.
 - The resolution of the detector is adjustable. Light emitting distance 150-1000mm.
 - The nonmoving object cannot be detected.
 - Supply Voltage DC 12V, it can be connected to MD-902 as it is.



LS-100

LS-150

SHEET SEPARATOR

鐵板分離器

優點

- 使用於一次取一張, 而推進機械的作業, 可提高工作效率。
- 對於油所密著的或形狀不規則的鐵板, 亦可予完全分離, 並無切傷手指之慮。
- 依照要分離的東西的大小, 形狀、重量、不管數目多少都可連結, 並列使用, 非常方便。

CHARACTERISTICS

- Plates can be taken off one by one, this mechanical operation can upgrade your working efficiency.
- Can be taken off smoothly even from oil stained plates, no harm will cause to your hands.
- The continuous operation is ensured regardless of plates vary in size, shape, weight, numbers, also can be folded in operation conveniently.

型式Model No	尺寸Size(mm)	長Length(mm)	寬Width(mm)	高Height(mm)
G1	1210	120	150	50
G2	2015	200		



MD-902多功能主控製器。

- 安裝簡易, 多樣化應用
- 各迴路均可做A(常開)B(常閉)檢測方式切換。
- 各迴路均有指示燈, 極易尋找停機原因。
- 電源電壓: AC85-264V。
- 兩組接點輸出(240V 5A COS φ=1)
- 可加裝近接, 微動, 光電...等各種感測器。
- 反應速度20ms一下。

MD-902 Multi-Function Controller

- It is easy to install and has various application.
- Each loop can switch over both A(normal open) and B(normal close).
- Each loop has a indicator lamp so the trouble shooting is very easy.
- Power source AC85-264V.
- Output Relay 2C(AC240V 5A COS φ=1)
- Various sensors, i.e. electro-optics sensor and proximity sensor, Micro switch...etc., which can be added easily.
- Delay time under 20ms.

機種Type	外型尺寸	投射光幕
LS-100	40W×150H×180D	100×800mm
LS-150	50W×200H×180D	150×1000mm
MD-902	220W×140H×180D	

金手臂沖床同步取出機械手

KING HAND SYNCHRONIZING ROBOT FOR PRESS

使用機種選擇方式

1. 沖床滑塊行程，等取出槽的有效行程。
2. 模具的最大面積，不超過取出槽的有效行程。
3. 模具最大面積和取出槽有效行程相符合就是最佳的選擇。
4. 工作重量大於0.4kg請用F250。
5. 請參閱第8頁機械手冊最佳位置。
6. 傳統鏈式離合器沖床可使用本機械手，但須用手轉動沖床，以免撞機。

CHOOSE METHODS

1. Press sliding stroke, equals to the valid stroke of taking-out tank.
2. The mold max, space, which can not exceed the valid stroke of taking-out tank.
3. It is just the best choice when mold max, space suits to the valid stroke of taking-out tank.
4. When work weight is over 0.4kg, please use F250.
5. Please refer to the operation manual page 8, the best position.
6. Traditional clutch press can use this robot, but needs to turn the press by manual, in order to prevent colliding.

型式 Model No	沖床滑塊 上下行程 Vertical Stroke (mm)	取出料槽有效行程Horizontal Stroke mm			每分鐘行程數 Stroke S.P.M	取出物品重量 Weight(Kg)	適用氣壓沖床 噸數 Press(tons)	
		F150	F220	F250				
	110	150	100	100			60T 80T 100T	
	110	175	120	120				
	120	200	135	135				
	130	225	155	155				
高倍率 F150	140	250	170	235			80T 100T	
	150	275	190	260	10-60	0.4		
	160		210	285				
	170		225	310				
	180		245	330				
	190		260	350				
	200		280	380				
中倍率 F220	210		300	405				110T 160T 200T
	220		315	430	10-60	0.4		
	230			450				
高倍率 F250	240			475				
	250			500	10-50	0.8		



MICRO-ADJUSTED LUBRICATOR

可調式材料給油機

優點

1. 機體結構使用鋁合金，陽極表面處理，輕巧，美觀，安裝簡易，易調整。
2. 特殊的微調式給油設計，可控制油量大小及定點加強給油，使用上更能增加工作的方便性。
3. 本機採用日本進口高密度羊毛氈材質，耐磨性強，且含油性佳，比一般橡膠輪或海綿體材質，壽命更長。
4. 材料給油機適用於沖床材料能雙面均勻塗飾，可大幅度提高沖床模具壽命。
5. 油桶內裝有過濾網，能將潤滑清潔後，循環利用。

CHARACTERISTICS

1. Aluminum alloy body structure, and its surface is processed with anode treatment, handy, compact, easy for installation and adjustment.
2. Special micro-adjusting oiling design, the oil capacity can be controlled freely and positioning enforced oiling can be achieved to increase the convenience for working.
3. This lubricator adopts high-density wool felt material with excellent anti-wearing and powerful oil absorbing, which can be competed with of general rubber wheel or sponge material.
4. Lubricator is suitably used for pressing material with double faced oiling at the same time to prolong greatly the service life of pressing mold.
5. Filtering mesh is devised inside the oil barrel, after cleaned with lubricant, it can be provided for cycle use.

型式 Model No	AT-65	AT-80	AT-100	AT-150	AT-200	AT-250	AT-300	AT-400	AT-500	AT-600	AT-700	AT-800	AT-900	AT-1000
材料寬度 Stock Width (mm)	65	80	100	150	200	250	300	400	500	600	700	800	900	1000
板厚 (mm)	0.10-6.0	0.10-6.0	0.10-6.0	0.10-6.0	0.10-6.0	0.10-6.0	0.10-6.0	0.10-6.0	0.10-6.0	0.10-6.0	0.10-6.0	0.10-6.0	0.10-6.0	0.10-6.0

型式 Model No	BT-80	BT-100	BT-150	BT-200	BT-250	BT-300	BT-350	BT-400
材料寬度 Stock Width (mm)	80	100	150	200	250	300	350	400
板厚 (mm)	0.10-2.0	0.10-2.0	0.10-2.0	0.10-2.0	0.10-2.0	0.10-2.0	0.10-2.0	0.10-2.0

優點

- 定尺材送料機 超薄型輸送機

CHARACTERISTICS

- Sizing Material Feeding Machines
Superthin Type Conveyors

型式 MODEL				
MX-75 × 1000	MX-75 × 1500	MX-75 × 2000	MX-100 × 2500	MX-100 × 3000
MX-100 × 1000	MX-100 × 1500	MX-100 × 2000	MX-150 × 2500	MX-150 × 3000
MX-150 × 100	MX-150 × 150	MX-150 × 200	MX-200 × 250	MX-200 × 300
MX-200 × 100	MX-200 × 150	MX-200 × 200	MX-250 × 250	MX-250 × 300
MX-250 × 100	MX-250 × 150	MX-250 × 200	MX-300 × 250	MX-300 × 300
MX-300 × 100	MX-300 × 150	MX-300 × 200		



產業升級
必備設施



滾輪外徑22mm

MINI CONVEYER

輸送帶



MX-皮帶寬
belt width
(mm) 機長
machine length
(mm)



空壓鉚釘機

PNEUMATIC RIVETING MACHINE

雙頭材料架
DOUBLE-UNCOILER



左右偏移伺服送料機NCZ-400
ZIG-ZAG NC SERVO FEEDER



雙頭材料架
DOUBLE-UNCOILER



MT自動材料架
AUTO MANDREL REEL



自動材料矯正機(2合1)
UNCOILER & LEVELER(2IN1)



四柱型增壓壓床
PNEUMATIC BOOSTER PRESS (4-POST TYPE)

ML-400CT 自動材料矯正機
UNCOILER & LEVELER



雙頭材料架 (新型)
DOUBLE-UNCOILER (NEW TYPE)



NC 矯正送料機 (三合一)
NC STRAIGHTENER FEEDER (3IN1)



兩段式精密矯正機
HIGH PRECISION LEVELER (TWO-STAGE)



材料矯正機
LEVELER



油壓壓床
HYDRAULIC PRESS

油壓剪床
HYDRAULIC SHEARING MACHINE

