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海威

HAI WEI

股票代码

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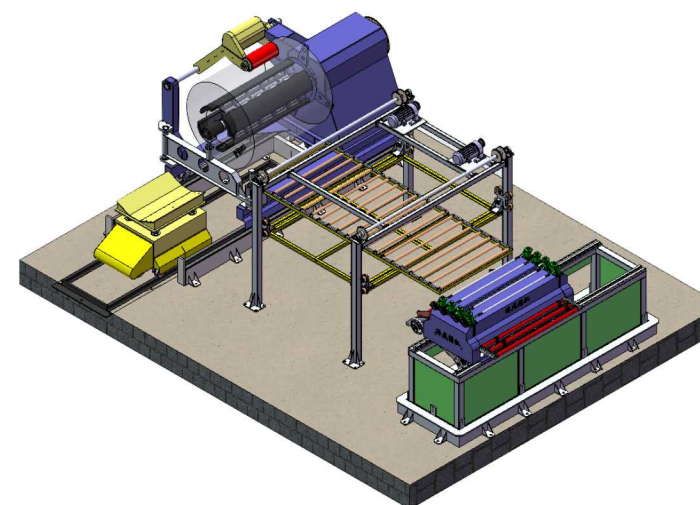
东莞市海威智能装备股份有限公司

DONGGUAN CITY HAIWEI INTELLIGENT EQUIPMENT INCORPORATED COMPANY

<http://www.hwslj.com> <http://www.hwjxs.com> <http://www.hwfeeder.com>

▶ 冲压: 送料 整平 材料架系列

Stamping: Sheet metal feeder machine, straightener machine, decoiler machine



东莞市海威智能装备股份有限公司

DONGGUAN CITY HAIWEI INTELLIGENT EQUIPMENT INCORPORATED COMPANY

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国际网址International: <http://www.hwfeeder.com>

全国服务热线
Service hotline **400-0769-611**

股票代码: 834247

2015

全国服务热线
Service hotline **400-0769-611**



董事长 窦建华
Chairman

诚信 Credibility
创新 Innovation
合作 Cooperation
共赢 Win-Win

把握时代脉搏 向工业4.0迈进
Grasp the pulse of the times Forward to Industry 4.0

公司简介 Company Profile

东莞市海威智能装备股份有限公司是一家集研发、生产、销售、服务于一体的冲压自动化设备生产厂家。公司主要生产和销售：冲压上下料机器人、冲压传送机械手、冲压卷料全自动送料线等冲压自动化设备。

公司秉承“诚信、创新、合作、共赢”的经营理念，不断拼搏积累，海威发展的里程碑记录了海威人奋斗成长的足迹。

- 2010年12月 东莞市海威通用机械设备有限公司成立
- 2011年6月 自主生产出高速滚轮机，伺服送料机
- 2012年4月 公司加大研发投入，陆续成功研发生产如下产品：
厚中薄板料架整平送料三合一，电控采用欧洲标准
双伺服高速送料机，电控采用德国知名品牌控制器
二次元、三次元、多机连线机械手、独立机械手及其它各类机械手
多轴机器人
各类高端机型电气均采用欧洲知名品牌，100M高速现场总线
- 2014年9月 双伺服高速送料机项目获得东莞市及广东省创业创新大赛三等奖
- 2015年1月 新三板上市挂牌签约
- 2015年4月 与意大利同行资深知名企业展开技术合作，实现OEM生产
- 2015年7月 公司实施股份制改造，更名为东莞市海威智能装备股份有限公司
- 2015年11月 新三板正式上市股票代码：834247

Dongguan City Haiwei Intelligent Equipment Incorporated Company integrated R&D, production, sales and service on punching automation equipments. Main product is punching load/unload robots, punching transfer, punching coil handing line, etc.

Haiwei has been adhering to the "credibility, innovation, cooperation, win-win" business philosophy. Continuously strive and accumulate, Haiwei milestone record each step of growing as below:

- 2010.02 Dongguan City Haiwei General Machinery Co., Ltd established
- 2011.06 Successful produced high speed roll feeder, NC servo roll feeder
- 2012.04 Haiwei increased R&D investment, in succession, developed below advanced equipment:
thick/middle/thin sheet 3 in 1 decoiler straightener feeder,
double servo high speed servo feeder
2D/3D press transfer unit, multiprocess transfer system, independent transfer
all kinds of other type transfer system
multi axis robots
all kinds of advanced machine adopts European electric control system and 100M field bus for the communication.
- 2014.09 double servo high speed servo feeder won the Third prize award of Dongguan City and Guangdong province Entrepreneurial innovation competition.
- 2015.01 Sign a contract of the new third board public listing
- 2015.04 Cooperate with Italy famous press accessories company, start OEM production with Italy technology.
- 2015.07 Haiwei shareholding reform, company name change to Dongguan City Haiwei Intelligent Equipment Incorporated Company
- 2015.11 The Third Board Market Listing, stock code: 834247



专业研发：冲压机械手
 冲压机械人
 冲压三合一送料机

Specialized on:
 Stamping press transfer
 Stamping press robot
 3 in 1 uncoiler straightener feeder



研发办公一角 Engineers office

目录 Contents

- 01** NCZ数控偏摆送料机
NCZ Servo Zigzag Feeder

- 03** NC伺服数控送料机
NC Servo Roll Feeder

- 05** 高速滚轮送料机
High Speed Roll Feeder

- 07** 油压式重型材料架
Hydraulic Heavy Uncoiler

- 08** 重型材料架
Heavy Uncoiler

- 09** 4.5mm料架兼整平二合一
4.5mm 2 in 1 Decoiler Straightener

- 10** 3.5mm料架兼整平二合一
3.5mm 2 In 1 Decoiler Straightener

- 11** 2.2mm料架兼整平二合一
2.2mm 2 In 1 Decoiler Straightener

- 12** 3.5mm料架兼整平二合一
3.5mm 2 In 1 Decoiler Straightener

- 13** 6.0mm料架兼整平二合一
6.0mm 2 in 1 Decoiler Straightener

- 14** 自动送料矫正机
Automatic Uncoiling and Straightening Machine

- 15** 0.1-0.6mm精密材料整平机
0.1-0.6mm Precision Straightening Machine

- 17** 半截整平机
Straightener

- 18** 意大利原装设计料架
Italy designed decoiler machine

- 19** 三机一体式 伺服料架整平送料机
3 IN 1 DECOILER STRAIGHTENER FEEDER

- 21** 多轴机器人(3-5轴)
Multi axes robots(3-5 axes)



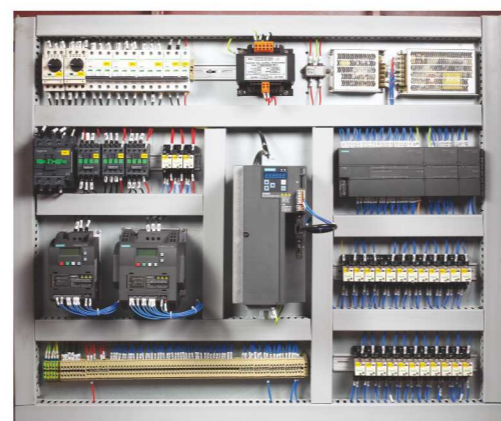
冲压机械手装配现场
 Assembly site of press transfer



冲压上下料机器人装配现场
 Assembly site of press load/unload robot



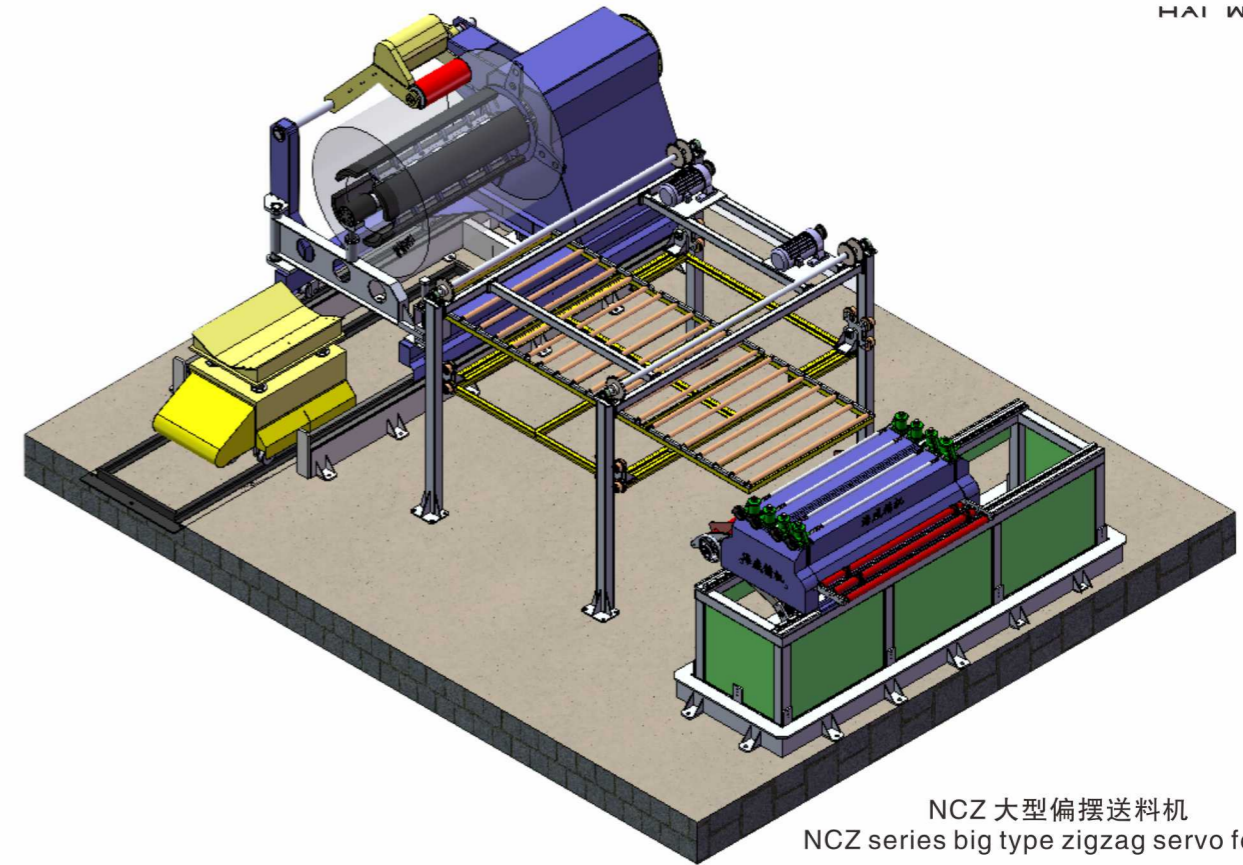
送料线装配现场
 Assembly site of coil handling line



西门子控制系统
 Siemens control system



NCZ 小型偏摆送料机
NCZ series zigzag servo feeder



NCZ 大型偏摆送料机
NCZ series big type zigzag servo feeder

产品详情
The detail of zigzag feeder

金属圆片自动移位送料机工作范围：

- 1、工件的厚度在：0.3-3.2mm/0.5-5.0mm。
- 2、适合材料有钢、铜、铝、特殊合金和双金属等多种材料。

金属圆片自动移位送料机的特点：

- 1、高产出：可进行多次移位，按60°角计算，每一次移位可节约材料7%，在圆片大小不等时，可依材料宽度对排布角度进行改变，提供材料利用率。
- 2、高效率：每分钟最高速度为60次。
- 3、高精度：在连续冲压过程中，边与边的最小距离可设定在0.5mm以内，每次的移动误差可保证在：±0.08mm以内。
- 4、占地空间小，能源消耗低
- 5、成品工作搬运方便：材料冲压后，自动掉落在成品输送带上，由输送带送到垛料台上。
- 6、全自动化控制，节省人力资源：该生产线在工作中，只需一位员工操作电控箱控制机柜。在人机面板上输入操作程序，设备将全自动化生产。

Working scope of zigzag feeding metal round plate:

1. The thickness of product: 0.3-3.2mm/0.5-5.0mm.
2. It suits for the material as steel, copper, aluminum, special alloy, thermometal and so on.

The feature of Zigzag feeder:

1. High output: It can finish many times shift. It can save 7% material in every move, basis on the calculation of the 60° corner. It will change the corner distribution according to the width of material that can increase the material utilization.
2. High efficiency: the feeding speed can meet 60times/min.
3. High-precision: In the process of continuous punch, it can set the min. distance between both sides within 0.5mm; the error of every move can make sure within ±0.08mm.
4. Cover the space is little, the energy consumption is low.
5. The product will drop out on the conveyor after the punched, and then will send to the material platform by the conveyor.
6. Complete automation control, can save labor resource: When the production line working, it just need one staff to operate the electric box. Input the operational program on the manual panel, the machines can complete automatic produce.

1.5m左右偏摆生产线示意图
1.5m Zigzag production line schematic plan

机械主要规格
MACHINE MAIN SPECIFICATION

型号 Model	NCZ-200	NCZ-300	NCZ-400	NCZ-500	NCZ-600	NCZ-800	NCZ-1000	NCZ-1300	NCZ-1500
材料宽度 Width of Material(mm)	200	300	400	500	600	800	1000	1300	1500
材料厚度 Thickness of Material(mm)	0.3-3.2 0.5-5.0	0.3-3.2 0.5-5.0	0.3-3.2 0.5-5.0	0.3-3.2 0.5-5.0	0.3-3.2 0.5-5.0	0.3-3.2 0.5-5.0	0.3-3.2	0.3-3.2	0.3-3.2
送料辊直径 Feeding Roller O.D.(mm)	66.5	66.5	66.5	66.5	66.5	90	90/120	120	120
送料辊数目 Quantity of Feeding Roller	2	2	2	2	2	2	2	4	4
矫平辊直径 Feeding Roller O.D.(mm)	/	/	/	/	/	/	/	80	100
矫平辊数目 Quantity of Feeding Roller	/	/	/	/	/	/	/	3	5
最大偏移距离 Max Moving Distance(mm)	200	300	400	500	600	800	1000	1300	1500
送料方式 Material Press Method	气缸 Air cylin						蜗轮蜗杆 Worm and Gear		



NCF3 气动式放松
Pneumatic release



NCF2 气动式放松
Pneumatic release



NCF1 机械式放松
Mechanical release



標準配置：
STANDARD ACCESSORIES

- 高精度的送料：針對高科技產業來臨，以電腦閉路式回授系統控制，使料度確實在：±0.03mm以內。
- 階段式送料功能，可輸入20組不同的送料長度，每組提供999次衝壓次數。滿足特殊制品的加工生產(選配)。
- 個性化的手動模式：可輸入合適的3段手動速度，讓使用者更容易操作，精確地使材料送進模具而定位。
- 高效率的放鬆裝置：配合衝床之凸輪訊號以及簡單之料厚調整，即可快速的設定放鬆角度。
- 送料長度的設定：在控制面板上，直接輸入送料長度，即可達到所需的送距。
- 送料機構：滾輪採用中空式，重量輕，回轉慣性小，表面硬度HRC60° 鍍硬鉻，耐磨損，壽命長。

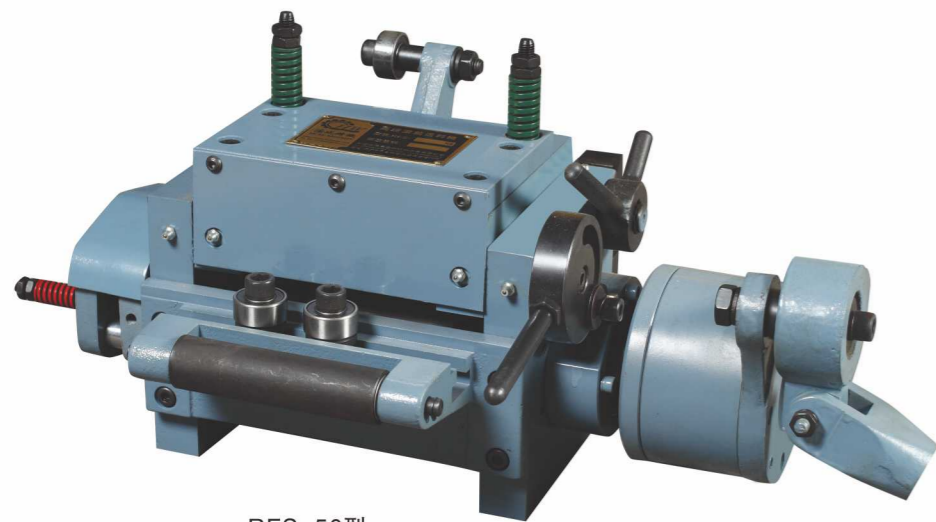


NCF4 大型數控送料機
NCF4 seires servo feeder for wide material

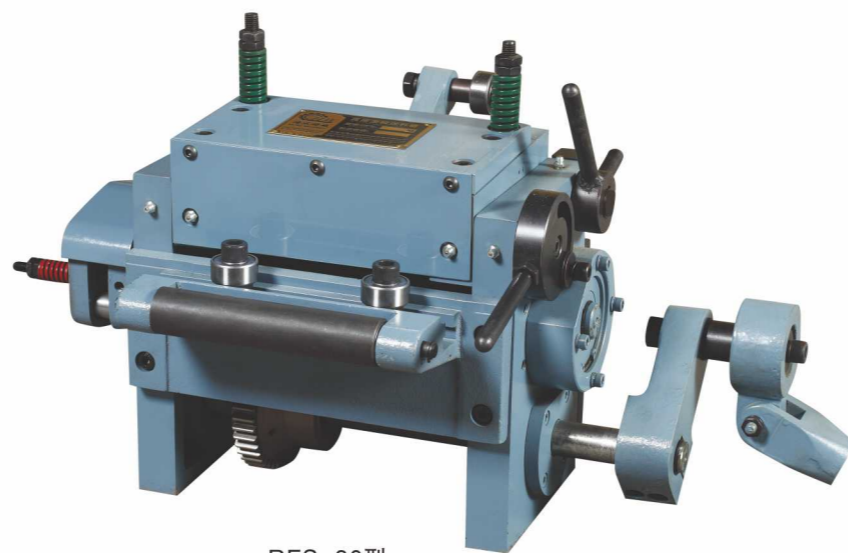
- High-precision feeding: Aiming at the coming of hi-tech industry, it controlled by computer closed-circuit feedback system, to ensure the accuracy can meet ±0.03mm.
- Phase-style feeding function: It can input 20 groups of different feeding length, each group provides punching for 999 times to satisfy the processing and production of special products (option).
- Manual model: It can input 3 phases manual speed, which can let used operate more easily and feed materials with higher precision.
- High-efficiency release device: It can set up release angle quickly, only need to match the cam signal on punching machine and to adjust the material thickness simply.
- Feeding length setting: Input the feeding length on the control panel directly.
- Feeding unit: The roller adopts middle-hollow type, being light and with low inertia for electroplate. The surface hardness is HRC 60° and finished chrome plated, can enhance the abrasive resistance and long lifetime.

機械主要規格
MACHINE MAIN SPECIFICATION

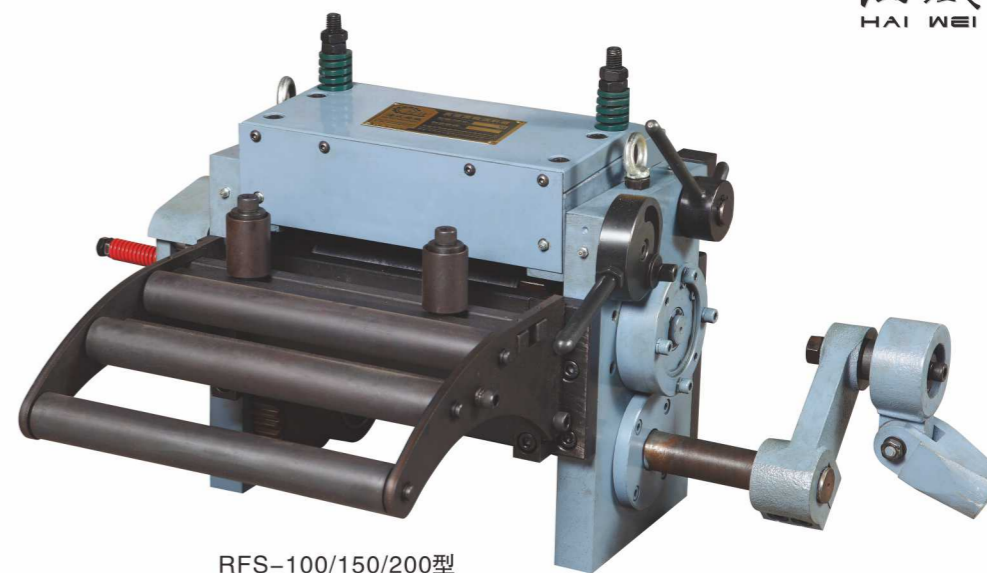
型號 Model	NCF-100 NCF-100A	NCF-200 NCF-200A	NCF-300 NCF-300A	NCF-400 NCF-400A	NCF-500 NCF-500A	NCF-600 NCF-600A	NCF-700 NCF-700A	NCF-800 NCF-800A	NCF-1000 NCF-1000A	NCF-1300 NCF-1300A	NCF-1600 NCF-1600A
材料寬度 Material width (mm)	100	200	300	400	500	600	700	800	1000	1300	1600
材料厚度 Material thickness(mm)	0.2-2.2	0.2-2.2	0.2-2.2	0.2-2.2	0.2-2.2	0.2-2.2	0.2-2.2	0.2-2.2	0.2-2.2	0.2-2.2	0.2-2.2
標準規格 Standard Type	100	200	300	400	500	600	700	800	1000	1300	160
材料最大厚度與寬度 Material Thickness&Width	90	180	280	300	350	400	450	480	550	650	700
	40	80	100	120	150	180	210	240	280	320	360
材料厚度 Material thickness(mm)	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5	0.3-4.5
厚度規格 A-Type	100	200	300	400	500	600	700	800	1000	1300	1600
材料最大厚度與寬度 Material Thickness&Width	80	160	240	320	400	460	520	560	580	600	650
	50	120	150	220	250	280	300	320	350	360	380
送料長度 Feeding length(mm)	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99
送料速度 Feeding speed(m/min)	20	20	20	20	20	20	20	20	20	20	20
電源電壓 Power Supply	220V/單相 380V/415V三相 220V Single phase 380V/415V 3 Phase			380V/415V三相 380V/415V 3 Phase							
送料線高度 Height of feeding line	70-250	70-250	70-250	70-250	70-250	70-250	90-250	90-250	90-250	90-250	90-250
機械長x寬x高(米) Machine size L*W*H(mm)	560x450x450	560x550x450	560x600x450	560x700x450	560x800x450	760x900x450	760x1040x1180	760x1040x1180	760x1240x1180	760x1340x1180	760x1440x1180
	機械式 Mechanical	機械式/氣動式 Mechanical/Pneumatic				氣動式 Pneumatic					



RFS-50型



RFS-80型



RFS-100/150/200型

機器特點：
Feature for roll feeder

滾輪送料優點

- 生產性：可多工程連續加工
- 高速性：每分鐘可達600次
- 泛用性：無論材料之寬度與厚度，祇需調整送料機去配合模具即可使用。
- 構造簡單，經濟實用，故障率低，保養容易。

送料精度

- 依回轉數及送料長度而有所不同，一般其精度在0.05mm。若是導梢作定時，更可得±0.01mm的精度。

型式

- 單式：適用於卷料(厚度0.15mm以上)，單制品或連續衝制品時用之。
- 複式：適用於卷料(厚度0.15mm以下)，短尺材料、單制品或連續衝制品時用之。

Advantage:

- High productivity: Continuous process is available
- High speed: It can approach 600 strokes per minute.
- Universality: It can be used for different width and thickness material, only need to adjust the feeder to match with moulds.
- It adopts simple structure, economical, easy maintenance and less trouble.

Precision:

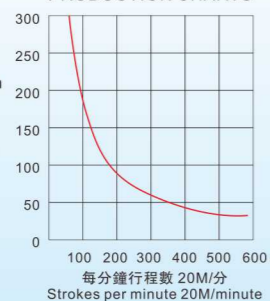
- The accuracy can meet 0.05mm, basis on the different feeding length of stock and strokes. If it has the guide pin for location, the accuracy can be better to ±0.01 mm.

Type:

- Single type: it is suitable for thick material (thickness is above 0.15mm), single process punching or multi-process punching products.
- Multiple-type: it is suitable for the thin material (thickness is lower 0.15mm), single process punching or multi-process punching products, as metal sheet, plates and so on.

生產量曲線圖

PRODUCTION CHARTS



結構四大特點：
Structure Features:

單向軸承

- 嵌有超硬合金，並配合滾柱軸承，具耐磨性、安定性、精度高、壽命長。齒輪經過熱處理HRC60° 再精密研磨、傳動精度高。

滾輪

- 採用中空式、重量輕、回轉慣性小，可即時停止，確保送料精度。
- 經熱處理HRC60° 鍍鉻再研磨，硬度高、耐磨性優、壽命長。

碟式剎車（一般剎車裝置）

- 採用高級離合器來令片兩面完全接觸，壽命長、穩定性佳、精度高。

逆向裝置

- 1、和單向裝置一樣，能相當精確地控制下輪，對時間使用亦不會使下輪有絲毫的倒退現象，穩定性和精度相當高。
- 2、不因衝壓時所濺出的殘油，而使剎車失靈產生下輪倒轉，送距不準之現象。
- 3、不易產生高熱。
- 4、附有超硬合金和滾柱，不易磨損。
- 5、動作方式與滾珠作圓周運動，而不是4根導柱的直縫運動，因此不會有咬死現象。
- 6、摩擦力小，所需的傳動扭力相對減少，傳動機結構不易損壞。
- 7、逆向裝置的配備時速可達30米/分，一般為20米/分，提高750%的效率。
- 8、特殊結構，增加了使用壽命。

Unilateral Bearing

- It encased cemented carbide alloy, and equip with roller bearing, so it have good abrasive resistance, stability, accuracy and long lifetime. After heat treatment, the gear is hardened to HRC 60°. At last, finished precise ground, it have better driving accuracy.

Roller

- The roller is adopted hollow type that is lighter and low inertia, it can stop immediately, to make sure the feeding precision. After heat treatment HRC60 and chroming, at last finish grounded, it has high hardness, good abrasive resistance, and long lifetime.

Disk Brake

- It applied best brake lining disc, which is best for stability and precision long lifetime.

The Reverse Device

- The structure is same as unilateral device, can control the down roller accurately. It will not appear setback even for a long time, has best stability and precision.
- The brake will be not out of control because of wasting oil from punching; it also will not reflect the feeding length.
- It will not cause high heat.
- It applied hard alloy and roller to make sure the good abrasive resistance.
- Movement method and ball are making circular motion, but not 4 guides pillar of straight slit movement, so that won't be locked dead
- Small friction force, the transmission twisting force needed is small, driver construction is not easy to be broken.
- The speed of reverse device can reach 30m/min, general is 20m/min, improved 750% efficiency
- Special construction, increased working life.

機械主要規格
MACHINE MAIN SPECIFICATION

型式 Model	材料寬度 Material width	送料長度 Feeding Length	材料厚度 Material Thickness	材料線高度 Height of Production line	衝床噸數 Press Capacity	外形尺寸 Overall Dimensions(mm)								重量 Weight of the machine
	mm	mm	mm	mm	mm	A	B	C	D	E	F	G	H	kg
RFS-105NS	100	50	0-1.6	55-100	5-20	537	247	250	290	200	95	295	120	64
RFS-205NS	200	50	0-1.6	55-100	20	637	347	270	342	220	125	295	120	87
RFS-305NS	300	50	0-1.6	55-100	40	737	447	270	392	220	125	295	120	103
RFS-405NS	400	50	0-1.6	55-100	60	837	547	270	442	220	125	295	120	120
RFS-505NS	500	50	0-1.6	55-100	80	937	647	270	492	220	125	295	120	140
RFS-605NS	600	50	0-1.6	55-100	110	1037	747	270	542	220	125	295	120	161
RFS-705NS	700	50	0-1.6	55-100	110	1137	847	270	592	220	125	295	120	181
RFS-805NS	800	50	0-1.6	55-100	110	1237	947	270	642	220	125	295	120	201
RFS-138NS	130	80	0-1.6	60-120	10-60	535	275	310	276	200	95	295	185	76
RFS-188NS	180	80	0-1.6	60-120	20-60	605	345	310	311	200	380	325	241	84
RFS-1310NS	130	100	0-3.5	70-140	40-60	618	308	410	349	272	380	632	241	142
RFS-1510NS	150	100	0-3.5	76-140	40-60	688	378	410	384	272	380	632	241	155
RFS-2010NS	200	100	0-3.5	70-140	40-80	688	378	410	384	272	380	632	241	155
RFS-3010NS	300	100	0-3.5	70-140	60-160	788	478	410	434	272	380	632	241	180
RFS-4010NS	400	100	0-3.5	70-140	80-260	888	578	410	484	272	380	632	241	200
RFS-5010NS	500	100	0-3.5	70-140	110-260	988	678	410	534	272	380	632	241	220
RFS-6010NS	600	100	0-3.5	70-140	160-260	1099	778	410	584	272	380	632	241	240
RFS-7010NS	700	100	0-3.5	70-140	160-260	1188	878	410	634	272	380	632	241	260
RFS-1315NS	130	156	0-3.5	70-140	40-60	618	308	410	349	272	380	632	241	143
RFS-1515NS	150	150	0-3.5	70-140	40-80	688	378	410	384	272	380	632	241	156
RFS-2015NS	200	150	0-3.5	70-140	40-80	688	378	410	384	272	380	632	241	156
RFS-3015NS	300	150	0-3.5	70-140	60-160	788	478	410	434	272	380	632	241	181
RFS-4015NS	400	150	0-3.5	70-140	80-260	888	578	410	484	272	380	632	241	201
RFS-5015NS	500	150	0-3.5	70-140	110-260	988	678	410	534	272	380	632	241	221
RFS-6015NS	600	150	0-3.5	70-140	160-260	1088	778	410	584	272	380	632	241	241
RFS-7015NS	700	156	0-3.5	70-140	160-260	1188	878	410	634	272	380	632	241	261
RFS-1320NS	130	200	0-3.5	70-140	40-60	618	308	430	349	272	380	632	256	146
RFS-2020NS	200	200	0-3.5	70-140	40-80	688	376	430	364	272	380	632	256	159
RFS-3020NS	300	200	0-3.5	70-140	60-160	788	478	430	434	272	380	632	256	184
RFS-4020NS	400	200	0-3.5	70-140	80-260	888	578	430	484	272	380	632	256	204
RFS-5020NS	500	200	0-3.5	70-140	110-260	988	678	430	534	272	380	632	256	224
RFS-6020NS	600	200	0-3.5	70-140	160-260	1088	778	430	584	272	380	632	256	244
RFS-7020NS	700	200	0-3.5	70-140	160-260	1188	878	430	634	272	380	632	256	264
RFS-2030NS	200	300	0-3.5	100-190	60-160	720	410	480	488	317	380	677	298	223
RFS-3030NS	300	300	0-3.5	100-190	80-200	820	510	480	535	317	380	677	298	251
RFS-4030NS	400	300	0-3.5	100-190	80-200	920	610	480	585	317	380	677	298	279
RFS-5030NS	500	300	0-3.5	100-190	110-260	1020	710	480	635	317	380	677	298	307
RFS-6030NS	600	300	0-3.5	100-190	110-260	1120	810	480	685	317	380	677	298	335
RFS-7030NS	700	300	0-3.5	100-190	110-260	1220	910	480	735	317	380	677	298	363

基本配置：
1.油压扩张（选配）
2.压料臂（选配）
3.托料臂（选配）

Machine configuration:
1. Hydraulic expansion device(optional part)
2. Press arm device(optional part)
3. Material side guide device(optional part)



MTC特重型材料架
MTC Heavy decoiler machine

特點 (Feature)

- 1、手動或油壓擴張，節省工時，提高效率。
- 2、採用變頻調速，碟刹系統，靈敏度高，即時停止、啓動。
- 3、程序控制料卷速度變化，根據卷料外徑變化自動加減速，使設備得負荷達到最輕。
- 4、斜鐵支撐擴張，避免故障。
- 5、採用最新設計，使設備更加合理的使用。使用壽命加長，故障率減低。

1. Manual or hydraulic expansion for your choice, it can save working time, increase efficiency.
2. It equipped with inverter, disc brake system, enhance the sensitivity, stop and restart immediately.
3. The speed of coil control by system, it can adjust the speed according to the outer diameter of the coil material. That can lighten the load of the machine.
4. Tilted iron supports the expansion, to avoid the fault.
5. It adopts the newest design, used more reasonable. Lengthen the lifetime, decrease the fault.



台车选配
Automatic loading car(optional part)

機械主要規格

MACHINE MAIN SPECIFICATION

規格 Model	MTC-800	MTC-1000	MTC-1300	MTC-1600
材料料寬 Material width(mm)	800	1000	1300	1600
材料厚度 Material thickness(mm)	0.2-6.0	0.2-6.0	0.2-6.0	0.2-6.0
材料內徑(mm)Coil I.D.	φ 450-530	φ 500-580	φ 530-600	φ 530-600
材料外徑(mm) Coil O.D.	φ 1200/1500	φ 1200/1500	φ 1200/1500	φ 1200/1500
材料重量 Material Weight(T)	5T/8T	8T	10T	12T
速度 Speed (m/min)	15			
擴張方式 Expansion Method	油壓 Hydraulic expansion			
機械重量 Machine Weight(kg)	2000	2500	3000	3500
機械尺寸 Machine Size(m)	1.8x1.4x1.4	2.0x1.5x1.6	2.5x1.8x1.8	3.0x2.0x2.0
電源 Power	AC三相 380V AC 380V 3 phase 60HZ			

基本配置：
1.油压扩张（选配）
2.压料臂（选配）
3.托料臂（选配）

Machine configuration:
1. Hydraulic expansion device(optional part)
2. Press arm device(optional part)
3. Material side guide device(optional part)



MT重型材料架
MT heavy decoiler



油压扩张可选项
Hydraulic expansion(optional part)

MT特殊型材料架
MT Special heavy decoiler

特點 (Feature)

- 適合各種卷料之收送，薄板金屬及非金屬材料均可。可加裝馬達動力，以配合送料裝置。
- 刹車裝置鬆緊可調整，主軸使用加強型，使材料卷轉動更平順，並增加其負荷力。
- 配合衝床之全自動生產不可缺少部件，節省人力、物力，降低成本，效果特好。
- 採用日本電磁接觸器及電子零件，故障少、壽命長。

- It's suitable for all kinds of coiling material receiving and feeding, no matter thin or thick, metal or nonmetal sheets.
- Adding motor to match with feeding device is available.
- Brake device is adjustable; the principal axis adopts powerful type.
- It makes the material roll more smoothly, and increase loading capability.
- It's a necessary device for auto punching machine working. It can save manpower, reduce cost and increase efficiency.
- It adopts Japan magnetic contactor and electronic components, less trouble and long lifetime.

機械主要規格

MACHINE MAIN SPECIFICATION

規格 Model	MT-200	MT-300	MT-400	MT-500	MT-600	MT-700	MT-800
最大寬度 Material width(mm)	200	300	400	500	600	700	800
材料厚度 Material thickness(mm)	0.2-6.0	0.2-6.0	0.2-6.0	0.2-6.0	0.2-6.0	0.2-6.0	0.2-6.0
材料內徑(mm)Coil I.D.	φ 450-530	φ 450-530	φ 450-530	φ 450-530	φ 450-530	φ 450-530	φ 450-530
材料外徑(mm) Coil O.D.	φ 1200	φ 1200	φ 1200	φ 1200	φ 1200	φ 1200	φ 1200
材料重量 Material Weight(T)	0.5T	1T/2T	2T/3T	2T/3T	3T/5T	3T/5T	3T/5T
送料速度 Feeding Speed (m/min)	15	15	15	15	15	15	15
卷料擴張 Coil Expansion	手動式 MANUAL						
電源 AC Power(AC)	AC三相380V 3Phase AC 380V 60HZ						

4.5mm 2 in 1 Decoiler Straightener

4.5mm料架兼整平二合一

基本配置:

1. 油压扩张 (选配)
2. 压料臂 (标配)

Machine configuration:

1. Hydraulic expansion (optional part)
2. Press arm device (optional part)



GL厚板料架+整平
GL series decoiler+straightener
machine for thick material

特點 (Feature)

- 滾輪整平與送料機置于同一機臺上，可減少送料與整平時誤差達到的高精度需求，安裝時方便且不占空間。
- 滾輪採用實心軸承鋼，經熱處理、鍍硬鉻再研磨，硬度高，耐磨性好，壽命超長。
- 維修保養及管理均簡單化，安全性好，使用成本低。
- 控制箱採用日本電子組件，故障少壽命長。
- 本機可選用變頻調速器使用效果更佳。
- 本機可選用壓料裝置，效果更好。
- Roller leveling machine with feeder places on the same stage can reduce feeding and overall demand for the usual error to the accuracy easy for installation and does not occupy space.
- It use of solid roller bearing steel, heat treatment, hard chrome plating and then grind, good hardness, good abrasive resistance, long lifetime.
- Maintenance and management are simplified, security, and low usage cost.
- Control box electronic components are made in Japan, fewer failures, and long lifetime.
- The machine can work with frequency converter with better results.
- The machine can work with pressing device, has better effect.

機械主要規格

MACHINE MAIN SPECIFICATION

規格 Model	GL-200A	GL-300A	GL-400A	GL-500A	GL-600A
最大寬度 Material width(mm)	200	300	400	500	600
材料厚度 Material thickness(mm)	0.5-4.5	0.5-4.5	0.5-4.5	0.5-4.5	0.5-4.5
減速機 Speed Reducer	1/30	1/30	1/30	1/30	1/30
電源 AC Power (AC)	AC三相380V 3Phase AC380V				
送料滾輪 Feeding roller	φ 80x4				
矯正滾輪 Leveling Roller	φ 72x7				
卷料內徑 (mm) Coil I.D.	φ 450-530				
卷料外徑 (mm) Coil O.D.	φ 1200				
最大料量 (mm) Material weight(T)	1T	1T/2T	2T/3T	3T/4T	3T/5T

3.5mm 2 in 1 Decoiler Straightener

3.5mm料架兼整平二合一

基本配置:

1. 油压扩张 (选配)
2. 压料臂 (标配)

Machine configuration:

1. Hydraulic expansion (optional part)
2. Press arm device (optional part)



UL中板料架+整平
UL series decoiler+straightener 2 in 1
machine for middle thickness material

特點 (Feature)

- 滾輪整平與送料機置于同一機臺上，可減少送料與整平時誤差達到的高精度需求，安裝時方便且不占空間。
- 滾輪採用實心軸承鋼，經熱處理、鍍硬鉻再研磨，硬度高，耐磨性好，壽命超長。
- 維修保養及管理均簡單化，安全性好，使用成本低。
- 控制箱採用日本電子組件，故障少壽命長。
- 本機可選用變頻調速器使用效果更佳。
- 本機可選用壓料裝置，效果更好。
- Roller leveling machine with feeder places on the same stage can reduce feeding and overall demand for the usual error to the accuracy easy for installation and does not occupy space.
- It use of solid roller bearing steel, heat treatment, hard chrome plating and then grind, good hardness, good abrasive resistance, long lifetime.
- Maintenance and management are simplified, security, and low usage cost.
- Control box electronic components are made in Japan, fewer failures, and long lifetime.
- The machine can work with frequency converter with better results.
- The machine can work with pressing device, has better effect.

機械主要規格

MACHINE MAIN SPECIFICATION

規格 Model	UL-200	UL-300	UL-400	UL-500	UL-600
最大寬度 Material width(mm)	200	300	400	500	600
材料厚度 Material thickness(mm)	0.5-3.5	0.5-3.5	0.5-3.5	0.5-3.5	0.5-3.5
減速比 Reducer Ratio	1/30	1/30	1/30	1/30	1/30
電源 AC Power (AC)	AC三相380V 3Phase AC380V				
送料滾輪 Feeding roller	φ 66.5x4				
矯正滾輪 Leveling Roller	φ 56x7				
卷料內徑 (mm) Coil I.D.	φ 450-530				
卷料外徑 (mm) Coil O.D.	φ 1200				
最大料量 (mm) Material weight(T)	0.5T	1T	2T/3T	3T/4T	3T/5T



微调装置(标配)
Micro adjusting device

微调特点 (Feature)

- 微调可同时上升或下降，保证整平精度。
- This device makes the upper straightening rollers going up and down at the same time, ensuring adjusting precision.

2.2mm 2 In 1 Decoiler Straightener

2.2mm料架兼整平二合一

基本配置:

1. 油压扩张 (选配)
2. 压料臂 (选配)
3. 料架带动力 (选配)
4. 变频调速 (选配)

Machine configuration:

1. Hydraulic expansion(optional part)
2. Press arm device(optional part)
3. Motorized decoiler(optional part)
4. Equipping with inverter(optional part)



微调装置(选配)
Micro adjusting device(optional part)



ULA中板料架+整平
ULA series decoiler+straightener 2 in 1 machine for middle thickness material

機械主要規格

MACHINE MAIN SPECIFICATION

规格 Model	UL-200A	UL-300A	UL-400A	UL-500A	UL-600A
材料宽度 Material width (mm)	200	300	400	500	600
材料厚度 Material thickness (mm)	0.3-2.2	0.3-2.2	0.3-2.2	0.3-2.2	0.3-2.2
※1 材料内径 Material I.D. Φ	450-530	450-530	450-530	450-530	450-530
※2 材料外径 Material O.D. Φ	1200	1200	1200	1200	1200
材料重量 Material Weight (T)	0.5T	1T	1T/2T	2T/3T	3T/5T
矫正速度 Speed of Feed (m/min)	15	15	15	15	15
料卷扩张 Coil Expansion	手动式/油压 Manual/Hydraulic				
机械重量 Machine Weight (kgs)	900	1000	1100	1300	1500
机械长x宽x高(米) Machine AxBxC(m)	1.7x1.0x1.4	1.7x1.1x1.4	1.7x1.2x1.4	2.0x1.4x1.6	2.0x1.5x1.6
送料滚轮 Feeding roller	φ 56x4				
矫正滚轮 Leveling Roller	φ 42x7				

3.5mm 2 In 1 Decoiler Straightener

3.5mm料架兼整平二合一

基本配置:

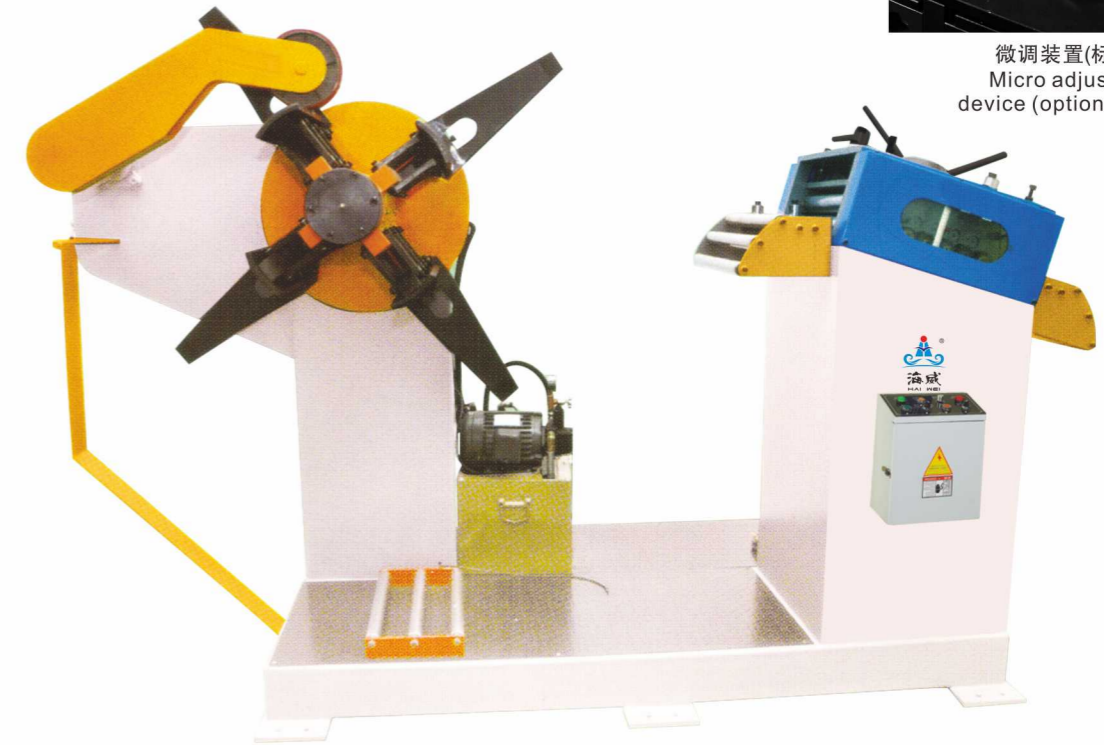
1. 油压扩张 (选配)
2. 压料臂 (选配)
3. 料架带动力 (选配)
4. 变频调速 (选配)

Machine configuration:

1. Hydraulic expansion(optional part)
2. Press arm device(optional part)
3. Motorized decoiler(optional part)
4. Equipping with inverter(optional part)



微调装置(标配)
Micro adjusting device (optional part)



ULB中板料架+整平
ULB series decoiler+straightener 2 in 1 machine for middle thickness material

機械主要規格

MACHINE MAIN SPECIFICATION

规格 Model	UL-200B	UL-300B	UL-400B	UL-500B	UL-600B
材料宽度 Material width (mm)	200	300	400	500	600
材料厚度 Material thickness (mm)	0.4-3.5	0.4-3.5	0.4-3.5	0.4-3.5	0.4-3.5
※1 材料内径 Material I.D. Φ	450-530	450-530	450-530	450-530	450-530
※2 材料外径 Material O.D. Φ	1200	1200	1200	1200	1200
材料重量 Material Weight (T)	1T	1T	1T	2T	2T
矫正速度 Speed of Feed (m/min)	15	15	15	15	15
料卷扩张 Coil Expansion	手动式/油压 Manual/Hydraulic				
机械重量 Machine Weight (kgs)	1000	1100	1200	1400	1600
机械长x宽x高(米) Dimension AxBxC(m)	1.7x1.0x1.4	1.7x1.1x1.4	1.7x1.2x1.4	2.0x1.4x1.6	2.0x1.5x1.6
送料滚轮 Feeding roller	φ 66.5x4				
矫正滚轮 Leveling Roller	φ 56x7				

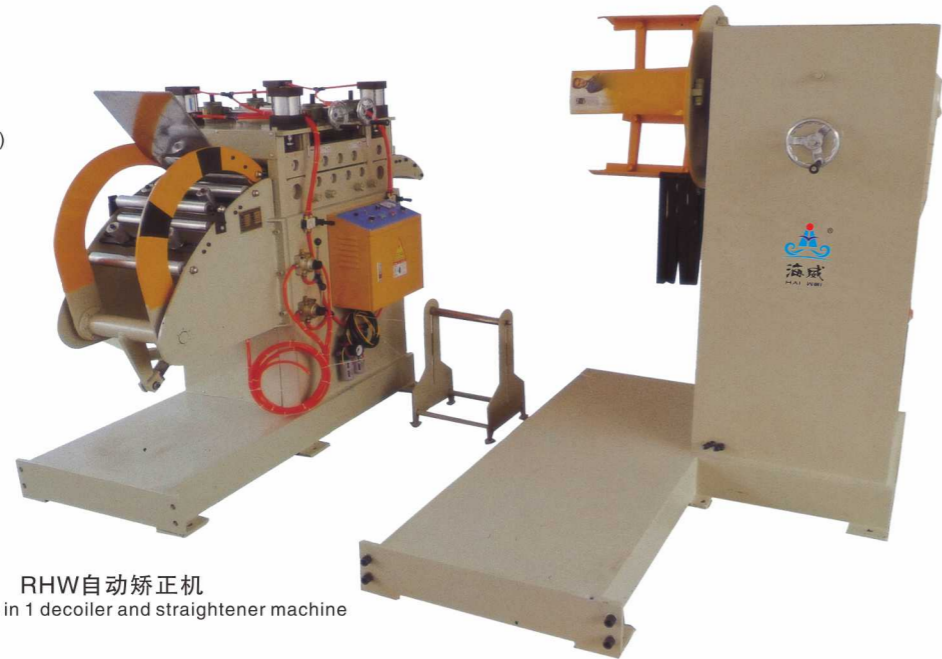
6.0mm料架兼整平二合一

基本配置:

1. 油压扩张 (选配)
2. 压料臂 (标配)

Machine configuration:

1. Hydraulic expansion (optional part)
2. Press arm device (optional part)



RHW自动矫正机
RHW series 2 in 1 decoiler and straightener machine

標準配置:

STANDARD ACCESSORIES

- 控制箱采用日本電子組件，故障少，壽命長。
- 適合0.5-6.0之廣泛材料，裝料方便，節省時間。
- 本機是依本公司長期經驗開發而成，壽命長，精度高。
- 滾輪采用實心軸承鋼，經熱處理，鍍鉻再研磨，硬度高，耐磨性好，壽命超長。
- 維修保養及管理均簡單化，安全性好，使用成本低。
- 本機附有厚料壓料裝置，效果更好。
- 本機附有變頻器。
- 本機可要據客戶特殊要求設計製造。

- The control box equipped with Japan electronic components, so it has less failure and have long lifetime.
- Its special design can suit for different thickness of material; the range is 0.5-6.0 mm. It can save space and easy to operate.
- This type is produced basis on our many experience, has high precision and long lifetime.
- The roller is using the solid bearing steel that had finished heat treatment, and had finished chroming, at last grounded. This craft can enhance the hardness and abrasion resistance.
- It's easy for maintenance and management, have good safety and low cost.
- It equipped with the device to press material, can help the feeding system working better.
- It equipped with inverter.
- We can customize for different requirement.

矯正能力

straightening performance

矯正厚度(mm) Straightening thickness	型號Type	200	300	400	500
材料厚度(mm) Material thickness					
1.0					
2.0					500
3.0				400	
4.0			300		400
4.5		180	200	250	300
6.0		150	200	200	200

機械主要規格

MACHINE MAIN SPECIFICATION

規格Model	RHW-200B	RHW-300B	RHW-400B	RHW-500B	RHW-600B	RHW-700B	RHW-800B	RHW-1000B
材料寬度 Material width (mm)	200	300	400	500	600	700	800	1000
材料厚度 Material thickness (mm)	1.0-6.0	1.0-6.0	1.0-6.0	1.0-6.0	1.0-6.0	1.0-6.0	1.0-6.0	1.0-6.0
材料內徑 Material I.D. (mm)	Φ450-530	Φ450-530	Φ450-530	Φ450-530	Φ450-530	Φ450-530	Φ450-530	Φ450-530
材料外徑 Material O.D. (mm)	Φ1200	Φ1200	Φ1200	Φ1200	Φ1200	Φ1200	Φ1200	Φ1200
矯正速度 Straightener Speed (m/min)	15	15	15	15	15	15	15	15
擴張方式 Coil Expansion	手動擴張Manual expansion			油壓擴張Hydraulic expansion				
機械長X寬X高 Machine size L*W*H (mm)	3.8x1.5x2.5	3.8x1.6x2.5	3.8x1.7x2.5	3.8x1.8x2.5	3.8x2.0x2.5	3.8x2.2x2.5	3.8x2.4x2.5	3.8x2.6x2.5
送料滾輪 Feeding roller	Φ98x4							
矯正滾輪 Leveling Roller	Φ80x7							

自動送料矯正機



CL自动材料矫正机
CL series uncoiling straightening machine

規格特點 (Feature)

- 材料架與矯正機為一體，不占空間，操作簡單，裝料及卸料方便。可配合變頻器使用。
- 鏈條傳動。
- 滾輪鍍鉻，耐用性強。
- 使用範圍廣。
- 各種金屬薄板卷料整平，適用於各五金廠電子零件廠衝壓件的連續生產。
- Uncoiler and straightener are combined in 1 machine, saving space and easy for operation, convening for loading and unloading.
- Can work with transducer
- Chain transmission roller is coated with chroming, has good durability.
- It's suitable for all kinds of thin coiling metal material,
- It widely use in hardware and electronic components production.

機械主要規格 MACHINE MAIN SPECIFICATION

規格 Model	CL-150A	CL-200A	CL-300A	CL-400A
最大寬度 Material width (mm)	150	200	300	400
材料厚度 Material thickness (mm)	0.5-2.5	0.5-2.5	0.5-2.5	0.5-2.5
減速比 Reducer Ratio	1/30	1/30	1/30	1/30
電源 AC Power (AC)	AC三相380V 3Phase AC380V			
送料滾輪 Feeding roller	Φ66x4			
矯正滾輪 Leveling Roller	Φ56x7			
卷料外徑 (mm) Coil O.D.	Φ1000			
最大料量 (mm) Material weight (kg)	500			
機械重量 (kg) Machine weight (kg)	460	510	560	600



DSL双段式
DSL series double section model



JM3单段式
JM3 series single section model

特殊結構
Special Precision Straightening Machine

- 兩段式矯平，卷料矯平過程中（頭端一尾端）中途不須再作矯平之調整，可確保一致相同之平坦度。
- 卷料未經矯平消除應力是無法生產出良好的產品。唯有將卷料矯平，消除應力才能達成。
- 經過本機矯平后，可將材料修正成向上向下彎曲或平坦。
- 滾輪兩側軸端之培林卷用免油式無須潤滑之設計，耐磨且不會有油漬或膩污附着之困擾。
- 傳動裝置由變頻器（循環控制），可與衝床速度同步，平穩的送料。

機械主要規格
MACHINE MAIN SPECIFICATION

雙段式 (Double-Section Model)

規格 Model	DSL-100	DSL-150	DSL-200	DSL-300
最大料寬 width max(mm)	100	150	200	300
材料厚度 Thickness(mm)	0.1-0.6	0.1-0.6	0.1-0.6	0.1-0.6
滾輪排列 Permutation for Roller	φ20 ^{7/8} 上up/下down			
調整方式 Adjust Method	四點獨立式 four point adjustment separately			
整平速度 Feed Speed	0-16M/min	0-16M/min	0-16M/min	0-16M/min
送料方向 Direction	左→右 left to right			
使用電壓 Power Supply	AC:220V AC:415V AC:380V AC:440V			

單段式 (Single-Section Model)

規格 Model	JM3-100	JM3-150	JM3-200	JM3-300
材料寬度 Material width(mm)	100	150	200	300
材料厚度 Material thickness	0.1-0.6	0.1-0.6	0.1-0.6	0.1-0.6
矯正速度 Speed of Feed	15	15	15	15
矯正滾輪直徑x滾輪數量 Straightening Roll dia. and no.	φ20x9/10 (上下)	φ20x9/10 (上下)	φ20x9/10 (上下)	φ20x9/10 (上下)
機械重量 Machine Weight(kg)	200	250	300	350
機械長x寬x高 (米) Dimension AxBxC(m)	0.9x0.3x1.2	0.9x0.3x1.2	0.9x0.4x1.2	0.9x0.5x1.2

- It adopts 2 sects leveling, on the leveling process, the roll material only be leveled the start sect and the end sect, the middle sect don't need to be leveled, it can make the whole material keeping in a same surface.
- It's hard to finish the good electric product if the material does not clear up the inner stress. The only way to make the better electric product is using the straightener to remove the inner stress.
- After straightening, materials can be corrected upward or downward of the flat.
- The Perlin roll in both sides of the roll adopted the design of oil type that is no need to lubricate that can get rid of the trouble of oil and the dirty.
- The driving unit is controller by inverters (cycle control), can feed smoothly at a speed synchronize with the press.



BCL
整平厚度Material thickness range: 0.3-1.5mm



TL
整平厚度Material thickness range: 0.5-3.5mm

機械主要規格
MACHINE MAIN SPECIFICATION
單段式 (Single-Section Model)

規格 Model	BCL-100	BCL-150	BCL-200	BCL-300
材料寬度 Material width(mm)	100	150	200	300
材料厚度 Material thickness	0.3-1.5	0.3-1.5	0.3-1.5	0.3-1.5
矯正速度 Speed of Feed	15	15	15	15
矯正滾輪直徑x滾輪數量 Straightening Roll dia. and no.	φ40*4, φ30*7/8			
機械重量 Machine Weight(kg)	200	250	300	350
機械長x寬x高 (米) Dimension AxBxC(m)	0.9x0.3x1.2	0.9x0.3x1.2	0.9x0.4x1.2	0.9x0.5x1.2

機械主要規格
MACHINE MAIN SPECIFICATION

規格 Model	TL-200	TL-300	TL-400	TL-500	TL-600
最大寬度 Material width(mm)	200	300	400	500	600
材料厚度 Material thickness(mm)	0.5-3.5	0.5-3.5	0.5-3.5	0.5-3.5	0.5-3.5
減速比 Reducer Ratio	1/30	1/30	1/30	1/30	1/30
電源 AC Power (AC)	AC三相380V 3Phase AC380V				
送料滾輪 Feeding roller	φ66.5x4				
矯正滾輪 Leveling Roller	φ56x7				

規格 Model	TLA-200	TLA-300	TLA-400	TLA-500	TLA-600
最大寬度 Material width(mm)	200	300	400	500	600
材料厚度 Material thickness(mm)	0.3-2.2	0.3-2.2	0.3-2.2	0.3-2.2	0.3-2.2
減速比 Reducer Ratio	1/30	1/30	1/30	1/30	1/30
電源 AC Power (AC)	AC三相380V 3Phase AC380V				
送料滾輪 Feeding roller	φ56x4				
矯正滾輪 Leveling Roller	φ42x7				



SHL整平厚度：0.5-4.5mm
SHL series straightener machine suitable for:
0.5-4.5mm thickness metal coil



GLL整平厚度：1.0-6.0mm
GLL series straightener machine suitable for:
1.0-6.0mm thickness metal coil

機械主要規格

MACHINE MAIN SPECIFICATION

材料矯正機 (Material Straightener)

型式 Model	SHL-200	SHL-300	SHL-400	SHL-500
最大寬度mm Max width	200	300	400	500
材料厚度 mm Max Thickness	0.5-4.5	0.5-4.5	0.5-4.5	0.5-4.5
減速機 Reducer Ratio	1/30	1/30	1/30	1/30
送料滾輪 Feeding Roller	Φ 80x4	Φ 80x4	Φ 80x4	Φ 80x4
矯正滾輪 Straightening Roller	Φ 72x7	Φ 72x7	Φ 72x7	Φ 72x7

厚板矯正機 (Thick Metal Sheet Straightener Machine)

型式 Model	GLL-200A	GLL-300A	GLL-400A	GLL-500A
材料寬度mm Max width	200	300	400	500
材料厚度 mm Max Thickness	1.0-6.0	1.0-6.0	1.0-6.0	1.0-6.0
矯正速度 m/min Straightening Speed	15	15	15	15
機械長x寬x高 m Machine Size (L*W*H)	1.5x0.8x1.2	1.5x0.9x1.2	1.5x1.0x1.6	1.5x1.1x1.6
送料滾輪 Feeding Roller	Φ 98x4			
矯正滾輪 Straightening Roller	Φ 80x7			

有特殊型號或更大型號來電訂做。
Can be customized.



機械主要規格

MACHINE MAIN SPECIFICATION

外形尺寸 Overall dimensions	1200(L)x800(W)x1500(H)
機器重量 Weight	240kg
承重 Capacity	400kg
最大料寬 Max. band width	300mm
最大外徑 Max. outside diameter of the coil	1000mm
內徑 Adjustable inside diameter of the self-centering mandrel	240-640mm
功率 Motor	0.75KW 380V/400V 50HZ
蝸輪蝸杆帶離合傳動 Adjustable clutch steel/bronze into the head	
電動氣軸擴縮 Motorized expansion/closing of the mandrel	
機械感應 Mechanic arm sensor for the start-stop of decoiling	

NCHW1

薄板专用
Especially suitable for
Thickness 0.3~3.2mm

NCHW2

中薄板专用
Especially suitable for
Thickness 0.5~4.5mm

NCHW3

厚板专用
Especially suitable for
Thickness 1.0~6.0mm



NCHW2 0.5~4.5mm
NCHW3 1.0~6.0mm



NCHW1 0.3~3.2mm

详情请登陆公司网站查询
Please login our website to check the details

三合一送料机规格 NCHW2 series 3 In 1 Decoiler Straightener Feeder main parameter

型号 Model	NCHW2-400	NCHW2-500	NCHW2-600	NCHW2-800	NCHW2-1000
料宽 Width of Material(mm)	70~400	70~500	70~600	70~800	70~1000
料厚 Thickness of Material(mm)	0.5-4.5				
最大料重 Max.Coil Weight(kg)	3000(5000)		5000(7000)		
卷料内径 Coil I.D.(mm)	508				
卷料外径 Coil O.D.(mm)	1400				
最大速度 Max.Line Speed(m/min)	22				
标准送料精度 Feed Accuracy(mm)	±0.15				
矫正滚轮 Work Roll	上 Upper4/下 Lower3				
送料滚轮 (组) Number of Feed Rolls	1				
标准送料高度 Feed level(mm)	1200±100				
电源电压 Power Supply	220VAC 60HZ/AC380V 50HZ				
空气压 Air Supply(kg/cm ²)	5kg/cm ²				
料架扩张方式 Uncoil Expansion	油压 Hydraulic				

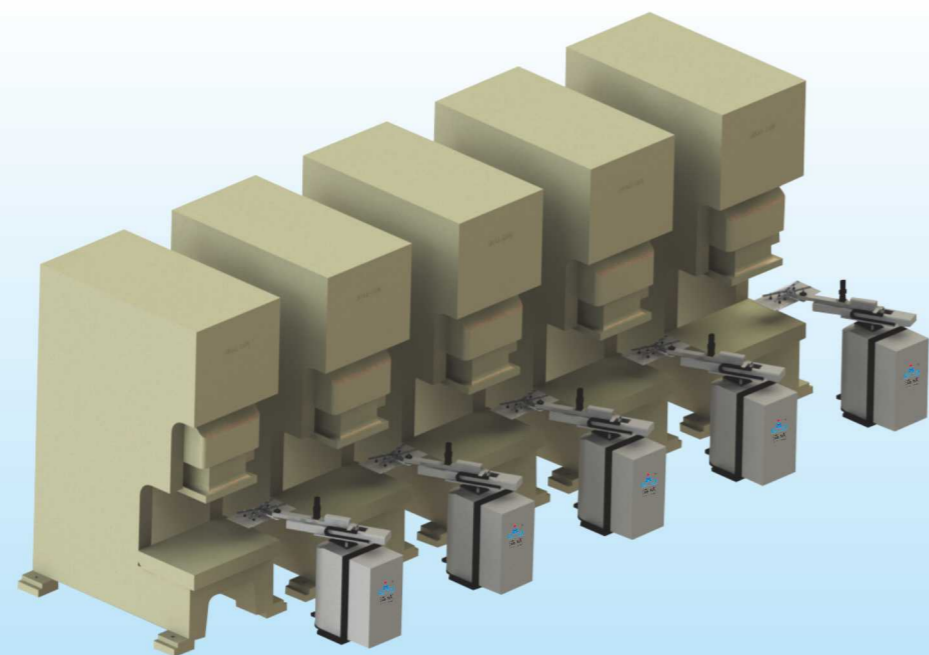
矫正能力表 Straightening performance

型号 Model	材料厚度 Thickness									
	0.5	1.0	1.3	1.6	2.0	2.3	2.8	3.2	4.0	4.5
NCHW2-400	400					361	341	318	285	195
NCHW2-500	500					458	408	356	301	195
NCHW2-600	600					514	450	378	301	195
NCHW2-800	800				709	745	547	500	301	175
NCHW2-1000	1000				845	780	585	500	301	165

以上表格的屈服强度临界值 245N/mm²
The above figures are the material having yield strength of 245N/ mm² max



多轴机器人
Multi axis robots

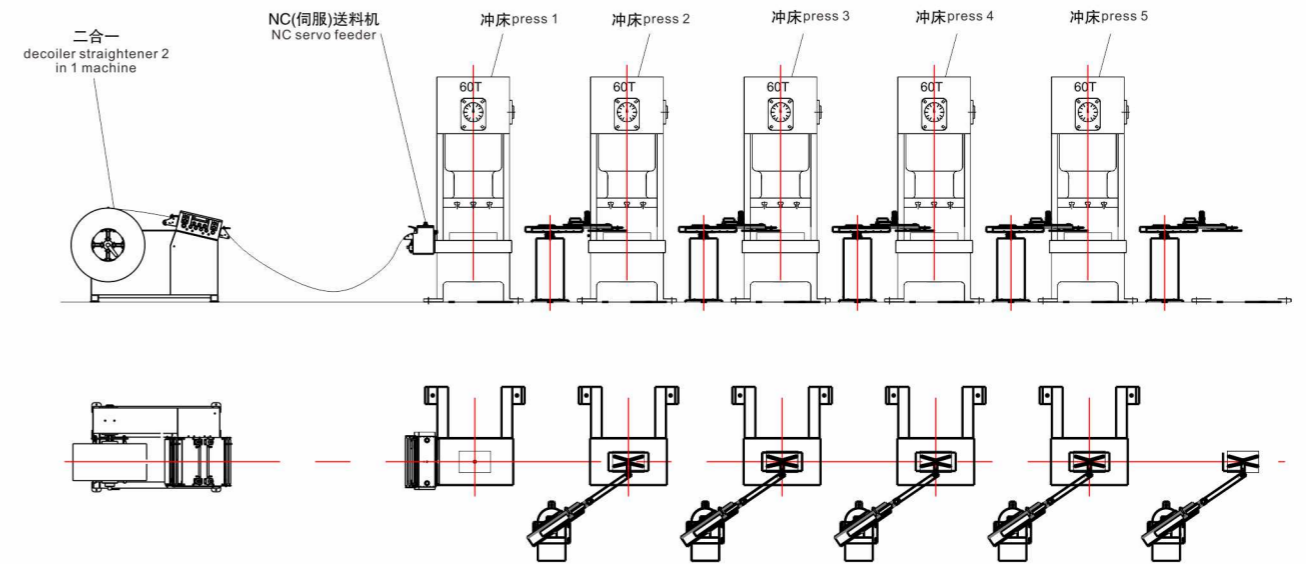


专注于：冲压机械手 机器人 送料线

Focus on stamping press transfer, industrial robot, metal coil handling machine



客户方案 Characteristic



特性 Characteristic

- ◎ 机器人专用运动控制系统，安全，稳定，高效。
- ◎ 采用全中文操作系统、人机界面触摸屏操控，操作简单、方便易学。
- ◎ 各轴均采用AC伺服电机传动。
- ◎ 自主研发、专利技术。
- ◎ 其他说明：安装方式：落地式 最大负载：5KG
重复定位精度：±0.2mm 生产效率：10-14次/分钟
环境温度：0-50℃ 湿度：30%到最大95%
- ◎ Robot special use action control system, safely, steady and high efficiency.
- ◎ Adopted Chinese operate system, touch screen in HMI, easy to learn and operate.
- ◎ All axes were driven by AC servo motor.
- ◎ Independent research and development, patented technology.
- ◎ Other issues:
1. installing method: ground
2. Max. loading capacity: 5kg
3. Re-orientation accuracy: ±0.2mm
4. Production frequency: 10-14 times/min
5. Environment temperature: 0-50℃
6. Humidity: 30%-95%

机器人配置及技术参数介绍(三、四、五轴)R系列 Introduces the configuration and technical parameters of the robot (three or four, five axis) R

一、主体升降传动J1轴：

- 1、伺服电机(1套)自带刹车伺服电机
- 2、滚珠丝杆传动+线性导轨
- 3、行程：0-350mm/250mm

Main axis going up and down
1. Servo motor with brake(Z set)
2. Ball screw + liner guide
3. Distance of run: 0-350mm/250mm

二、整体旋转传动J2轴：

- 1、伺服电机(1套)
- 2、配高精度谐波减速机
- 3、旋转范围：±180°
- 4、活动半径：1300MM-1800MM

Rotating axle in entirety
1. Servo motor(1 set)
2. High precision harmonic speed reducer
3. Rotating range: ±180°
4. activity radius: 1300mm-1800mm

三、手臂前后伸缩传动J3轴：

- 1、伺服电机(1套)
 - 2、丝杆带传动/同步
 - 3、行程：600mm
- Transfer arm stretching out and drawing back J3
1. Servo motor(1 set)
2. Lead screw and synchronous belt transmission
3. Distance of run: 600mm

四、手臂水平旋转传动J4轴：

- 1、伺服电机(1套)
- 2、采用高精度行星减速机
- 3、旋转范围：±180°

Transfer arm rotating horizontally J4
1. Servo motor(1 set)
2. High precision planet reducer
3. Rotating range: ±180°

五、手臂末端左右翻转传动J5轴：

- 1、伺服电机(1套)
 - 2、采用高精度行星减速机
 - 3、左右翻转范围±220°
- Arm terminus rolling over part J5
1. Servo motor(1 set)
2. High precision planet reducer
3. Rolling over range: ±220°

注：各参数可按客户要求定制
N.B. Specifications are subject to change without notice.