

# KL SERIES

Good for cold forging, drawing, fine blanking, near net-shaping, etc.  
On High Tensile Strength Steel, Stainless Steel, Titanium Alloy,  
Magnesium Alloy,.....etc.  
適合使用於高張力鋼板、不銹鋼、鎂合金.....等之冷鍛、引伸、精密下料、近淨成型、  
精沖鍛壓複合成型加工。

## KNUCKLE JOINT PRESS with Link Motion drive

## 精沖鍛壓-肘節連桿沖床

### STRUCTURE FEATURES | 結構特性

專利證號  
(中華民國) 第I 229033號  
(中華民國) 第I 244428號

Patents:  
(R.O.C.) No. I 229033  
(R.O.C.) No. I 244428

**Max. Deformation:  
0.1mm at 300 tons**  
加工噸位為300tons時，  
最大變形量0.1mm

One-piece welding  
thick steel with high rigidity  
一體焊接成型厚板高鋼性。

With an innovative hybrid drive mechanism  
of combining knuckle joint and link motion  
to achieve an optimal slide motion curve  
for precision progressive cold forging  
and near net shaping  
以連桿機構推動肘節，具最佳滑塊運動曲線。

With wide bolster for progressive process!!  
寬台盤面積，以利連續作業沖鍛複合成型。



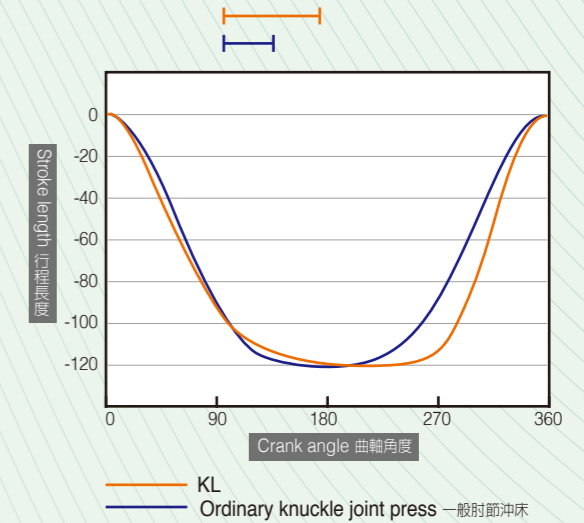
### ADVANTAGES | 功能介紹

About **70%** longer processing time than ordinary knuckle joint press  
加工時間比一般肘節沖床約長**70%**

#### LCD TOUCH PANEL CONTROLLER 觸控式液晶面板控制器



**Tonnage is displayed for every stroke.**  
每一加工行程皆有噸位顯示



Eliminate or reduce secondary machining  
Higher material yield  
More consistent product with uniform quality,  
Optimum material flow, Improved surface finish,  
Increased product strength and grain improvement  
以沖鍛複合成型省去二次加工，產品良率高、精度高、  
製程能力高、最佳材料流動  
產品金相佳、強度高、表面品質佳

### SPECIFICATIONS | 功能規格

Model	型號	單位(Unit)	KL-300	KL-500	KL-650
Machine Size (LxWxH)	機台尺寸	mm	2252x2135x4147	2794x2600x4660	2924x2645x4752
Capacity	加工噸位	Ton	300	500	650
Capacity Rating point	能力發生點	mm	8	8	8
S.P.M.	行程數	S.P.M.	20-45	20-45	20-45
Stroke Length	行程長度	mm	100-150	100-150	100-150
Die Height	模高	mm	450	450	500
Slide Adjustment	滑塊調整量	mm	50	50	50
Bolster Area (LR x FB)	台盤面積	mm	1250x950	1250x1000	1250x1000
Slide Area	滑塊面積	mm	1250x950	1250x1000	1250x1000
Bolster Thickness	台盤厚度	mm	180	200	220
Main Motor	主馬達	HP x P	20x6	25x6	40x4
Slide Adjustment Motor	滑塊調整馬達	HP x P	1x4	1x4	1x4

- SPM can be increased by shortening Stroke Length on custom-made basis. 可依客戶要求，以縮短行程的方式來增加行程數。
- Bolster and Slide Area can be modified on custom-made basis. 可依沖製產品之需求，提供台盤及滑塊客製化服務。
- Long Jyi Machinery Co., Ltd. reserves the rights to modify the specification & features, due to product improvements, without further notification. 規格異動時，恕不另行通知。