

## Cold Drawing Machine

# Main Features

- ✓ Versatile design with a wide range of models
- ✓ Linear workflow with automatic lifting and feeding system
- ✓ Adjustable dice holder for straightness and consistency

Our Cold Drawbench is a chain-type machine known for its versatile design, suitable for a wide range of metal tubes and bars requiring re-sizing, precision and strict tolerance for industrial applications. It accommodates materials in various shapes including round, hexagonal, square, or even profile tubes and bars. Not only to smoothing the outer or inner surface, the cold drawing process shapes the material to the desired diameter and wall thickness. In addition to the standard model, our design features partial automation, including a pneumatic mandrel lifting and forward system, tube pusher, and discharging arms, enhancing efficiency during operation.

The SA models offer easy installation and can be extensively modified to meet specific production line requirements, the SA models can be greatly modified according to production line requirements. Our diverse range of cold drawing machines excels in the precision drawing of a wide range of brass, copper, aluminum, and steel tubes.



CUSTOM-MADE 訂製產品

### Standard Specification and Capacity 基本規格及建議使用能力

Model 型號		SA20B		SA30B		
Applicable material 適用材質 (mm)	Non-ferrous 非鐵 (銅/鋁)	Tube 管 Rod / Bar 棒	Ø26 Ø16	t:1~2 -	Ø50 Ø26	t:1~3 -
	Steel / Alloy 鋼鐵 / 合金材料	Tube 管 Rod / Bar 棒	Ø12 Ø10	t:1~2 -	Ø26 Ø16	t:1~3 -
Motor 馬力		20HP		30HP		
Spherical Dice Case Size 半球形模具外徑尺寸		JIS 100/70		JIS 125/100		
		200F-20RC-0208T		250F-25RC-0510T		

Model 型號		SA50B		SA75B		SA100B		
Applicable material 適用材質 (mm)	Non-ferrous 非鐵 (銅/鋁)	Tube 管 Rod / Bar 棒	Ø75 Ø50	t:1~4 -	Ø120 Ø75	t:1~5 -	Ø150 Ø100	t:1~6 -
	Steel / Alloy 鋼鐵 / 合金材料	Tube 管 Rod / Bar 棒	Ø50 Ø35	t:1~4 -	Ø75 Ø60	t:1~5 -	Ø100 Ø80	t:1~6 -
Motor 馬力		50HP		75HP/100HP		100HP/125HP		
Spherical Dice Case Size 半球形模具外徑尺寸		JIS 145/215		JIS 175/230		JIS 230/295		
		300F-30RC-20T		400F-40RC-30T		600F-50RC-40T		

※ The specification and applicable size range are subject to updates, and the model's capacity is for the initial evaluation only. Custom-made models are designed according to the material characteristic, deformation ratio and tolerable pulling force. 以上規格、尺寸供初步評估及參考，實際能力須依材料的特性、可承受變形率，以及可容許拉力強度，提供客製化機款。

## 金屬冷伸拉機

# 3大優點

- ✓ 氣壓式內桿進料系統，單鍵式操作設計
- ✓ 可調式模板設計，易調整拉拔後直度
- ✓ 多元樣式設計靈活調配，滿足量產及精密加工需求

SA型鏈條式冷伸拉機具有多種規格及樣式，適用於加工圓形、六角形、四方形及各種異形金屬管棒材。基本款機台可加裝內桿段，並配合內桿模具進行管材內外徑加工。這是一種精密抽拉製程，透過模具設計可以控制材料的外徑、尺寸及管壁厚度。另外，在客製化款式上規劃半自動控制、氣壓式內桿升降座及推管機等設計，簡化操作流程。再加上下料手臂機組，可使收料作業自動化，以減輕操作人員在整體製程中卸取物料的負擔。

該款機台安裝簡便，並可根據特定生產需求及製程調整周邊輔助配備，管類機款在卸除後段內桿後，可針對棒材進行加工，其靈活性和客製化選項，可滿足各種金屬管棒材精密加工需求。

Optional	選配項目
▪ Automatic PLC System	▪ PLC自動控制系統
▪ Automatic single-loop control	▪ 自動單循環操作
▪ Mechanical tube pusher	▪ 機械式推管機
▪ Pneumatic mandrel (C Model)	▪ 氣壓式推進內桿
▪ Electrical mandrel (E Model)	▪ 電控式推進內桿
▪ Variable speed gearbox	▪ 分段變速齒輪箱
▪ Discharging arms	▪ 下料臂機組
▪ Linear guideway	▪ 線型滑軌

Type of Operation 運作模式				
System 系統	Lifting 內桿升降	Feeding 內桿送料	Loading 入料	Mandrel Mode 內桿模式
Z Model 型	◎	◎	N/A	Manual spring mandrel 傳統手動
C Model 型	●	●	○	Pneumatic mandrel 氣壓缸推進
E Model 型	●	●	○	Electrical control mandrel 電控推進
FA Model 型	●	●	●	Pneumatic or Electrical mandrel 氣壓缸推進

◎ Manual 手動 ● Automatic 自動 ○ Optional 選配