

Metal Swaging Machine

Main Features

- ✓ Fast processing speed and minimum chips removal
- ✓ Suitable for both non-ferrous and steel materials with no temperature restriction
- ✓ Versatile applications with easy replacement of spare parts and consumables

The Swaging machine is commonly used to reduce or forge round workpieces into a smaller diameter or produce a taper for various applications. Its rotary mechanism reduces the material diameter, allowing the tube to be fed through the die and then pulled by the drawing car from drawbench. Our standard models use four-piece dies, making them suitable for shaping precious metal tubes and rods.

This machine is easy to install and operate, and the sloping angle of swaging dies can be customized according to customer specifications. It finds wide application in the manufacture of semi-finished products and consumer goods such as lighting parts, furniture components, bicycle racks, hardware, and automotive parts.

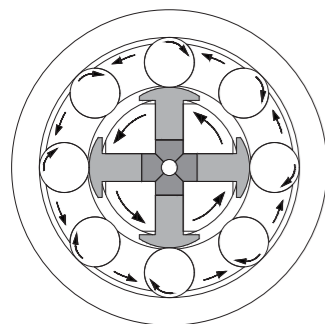
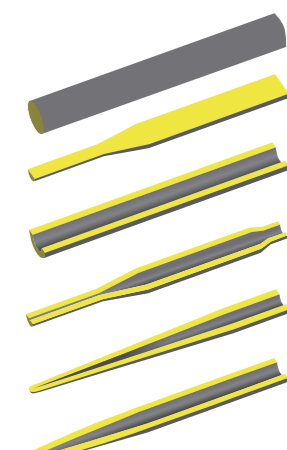
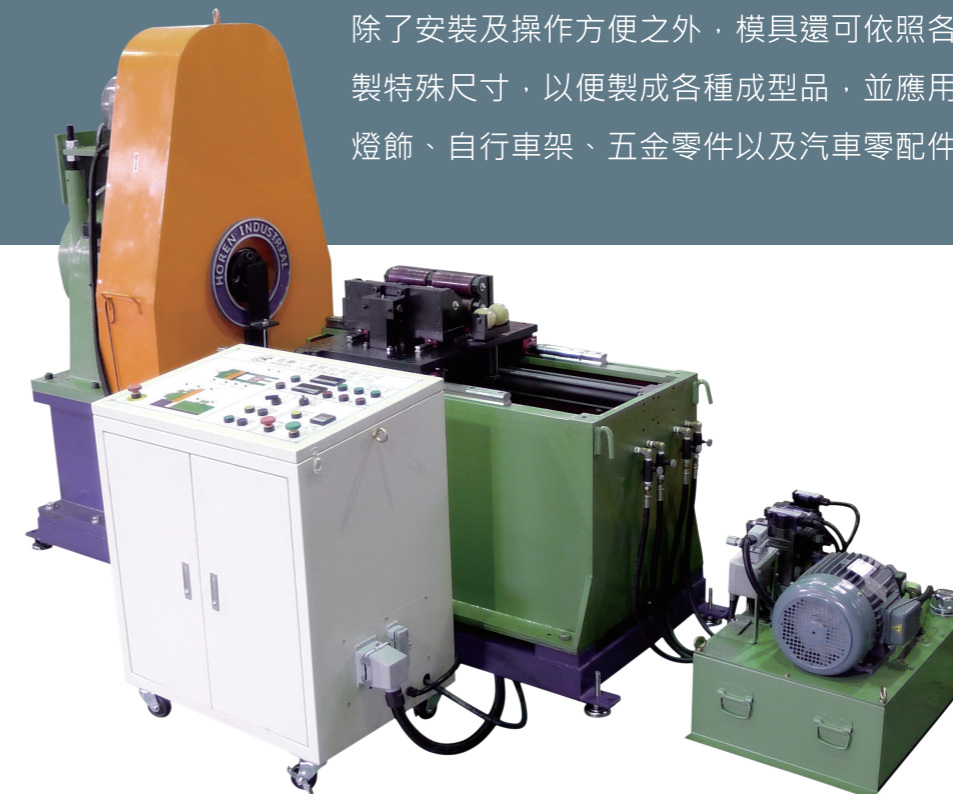
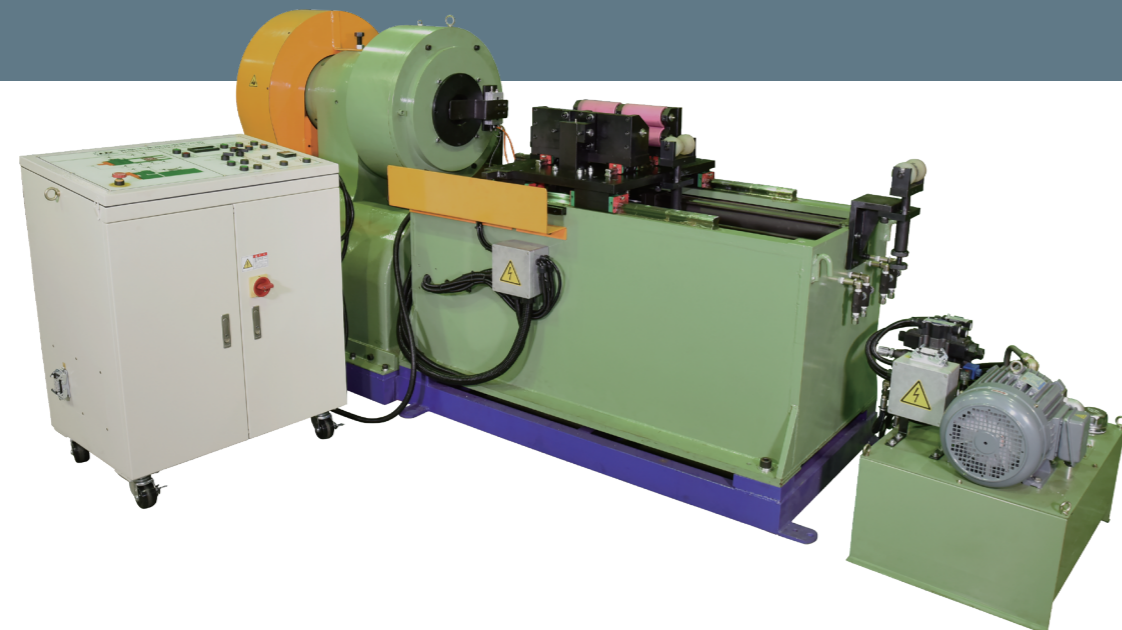
金屬束頭機

3大優點

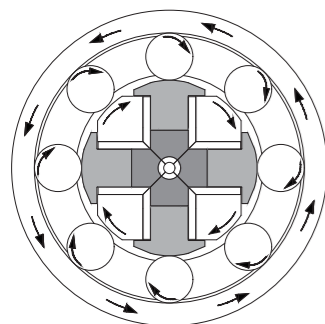
- ✓ 加工速度快，材料耗損少
- ✓ 無溫度限制，同時適用於非鐵及鋼鐵材料
- ✓ 應用層面廣，零件耗材更換容易

SM型束頭機一般適用於冷伸拉加工前，透過鍛鏈方式將金屬管棒材料的前端束小，又稱為打頭機。其主要功能是使材料通過各種伸拉模具，進行精密拉拔加工。現有的機型普遍採用四片模具的旋鍛模式，適用於金屬管線材料。

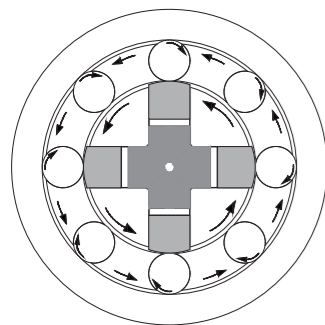
除了安裝及操作方便之外，模具還可依照各別機款的設計規範，設計訂製特殊尺寸，以便製成各種成型品，並應用於特殊規格金屬筆尖、傢俱燈飾、自行車架、五金零件以及汽車零配件等金屬管棒製成品。



SM03



SM05



SM15

Standard Specification and Capacity 標準規格及使用能力

Model 型號		SM01	SM02	SM03	SM15	SM15AP	SM30AP	SM05AP
Applicable material 適用材質 (mm)	Non-ferrous 非鐵 (銅/鋁)	Tube 管 Rod / Bar 棒	Ø1~3	Ø2~8 t:0.4~1.0	Ø5~25 t:1.0~2.5	Ø10~60 t:1.0~5.0	Ø15~50 t:1.0~5.0	Ø10~45 t:1.0~5.0
	Steel / Alloy 鋼鐵 / 合金材料		Ø1~3	Ø2~5 -	Ø3~15 -	Ø10~35 -	Ø15~35 -	Ø30~90 t:1.0~8.0
			Ø1~3	Ø2~6 t:0.4~1.0	Ø3~15 t:1.0~2.0	Ø10~45 t:1.0~4.0	Ø15~45 t:1.0~4.0	Ø30~75 -
			Ø1~3	Ø2~4 -	Ø3~12 -	Ø10~30 -	Ø15~30 -	Ø30~80 t:1.0~5.0
Motor 馬力	1HP x 4P	2HP x 4P	3HP x 4P	15HP x 6P	15HP x 6P	30HP x 6P	7.5HP x 6P + 1HP x 6P	
Reduction range 加工範圍 (mm)*	0.3~1.5	tube 1~2.5 rod 0.3-1.5	tube 3~8 rod 1~4	tube 5~10 bar 3~5	tube 5~10 bar 3~5	tube 8~15 bar 3~8	tube 3~8 bar 1~4	
PRM 轉速 50Hz	730	320	320	196	196	140	230	
Size and number of dice 模具尺寸(mm)	40L 18W	35L 20W	60L 25W	125L 60W	125L 60W	250L 80W	100L 40W	
Type of dice 模具型式(pcs)	2	2	4	4	4	4	4	
Entry size 入口尺寸 (mm)	7	8	30	65	65	105	46	
Entry height 中心高(mm)	625	720	835	925	1,045	925	1,050	
Dimension 機台尺寸 (L x W x H) (mm)	500 x 450 x 715	650 x 540 x 960	900 x 700 x 1,140	1,250 x 1,300 x 1,300	3,800 x 1,150 x 1,400	4,000 x 1,100 x 1,600	3,300 x 1,450 x 2,000	
Weight 重量	130 kg	320 kg	590 kg	1,850 kg	3,150 kg	5,850 kg	3,400 kg	
Automatic loading 自動化送料	X	X	X	X	⊙	⊙	⊙	
Extension model 延伸款				SM15B SM15L	SM15BAP SM15MAP			

※ The above specification and dimension are subject to change without prior notice

以上規格、尺寸會因需求而有所調整設計，恕不另行通知。

*The range is for reference only. The reduction ratio may be varied depending on the size, composition, and tensile strength of materials.

加工範圍僅供參考，實際減徑比例需依照材料尺寸、材質及抗拉強度而定。