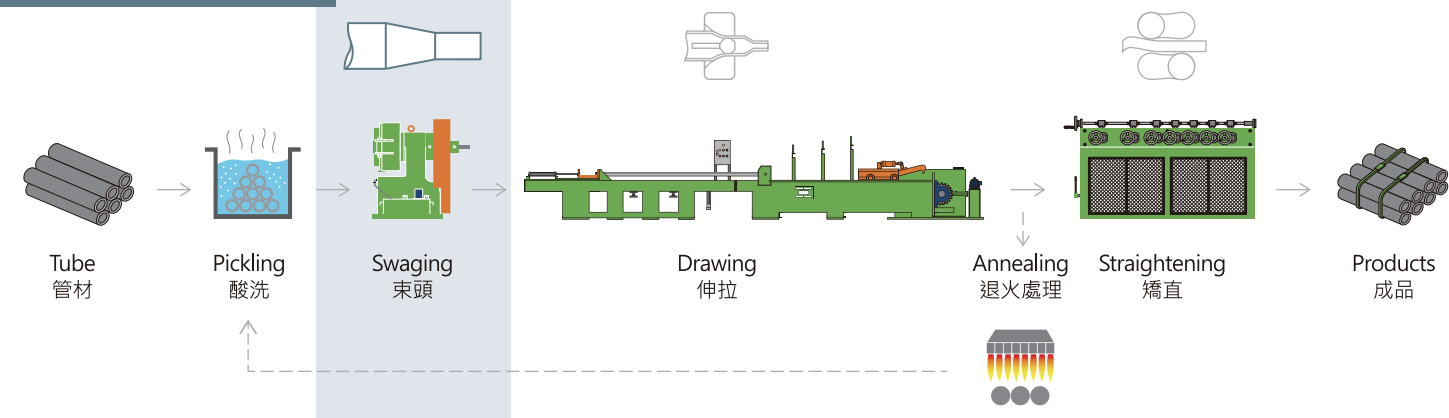


Production Flowchart 生產流程

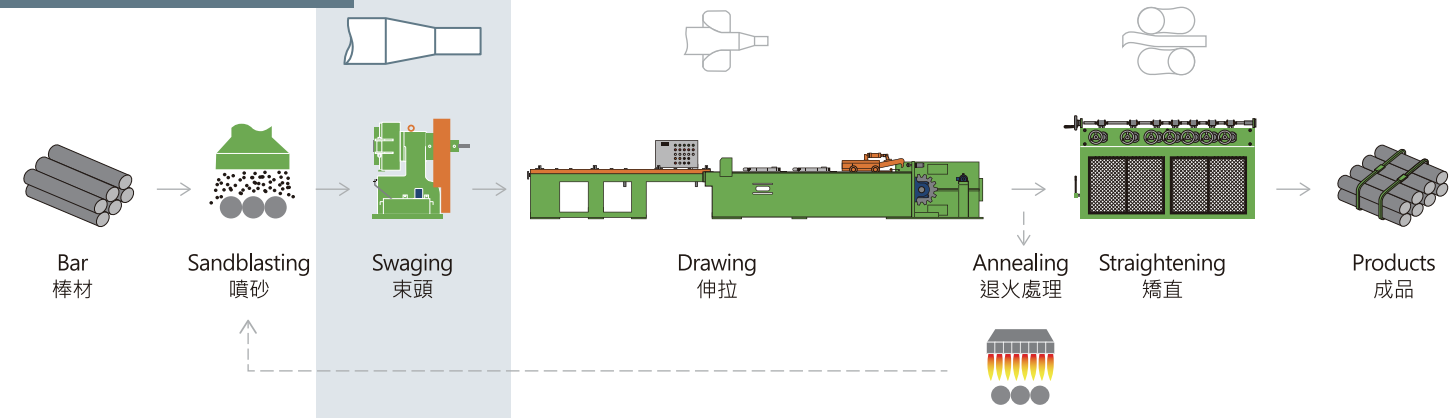
Tube Drawing Process

金屬管材生產



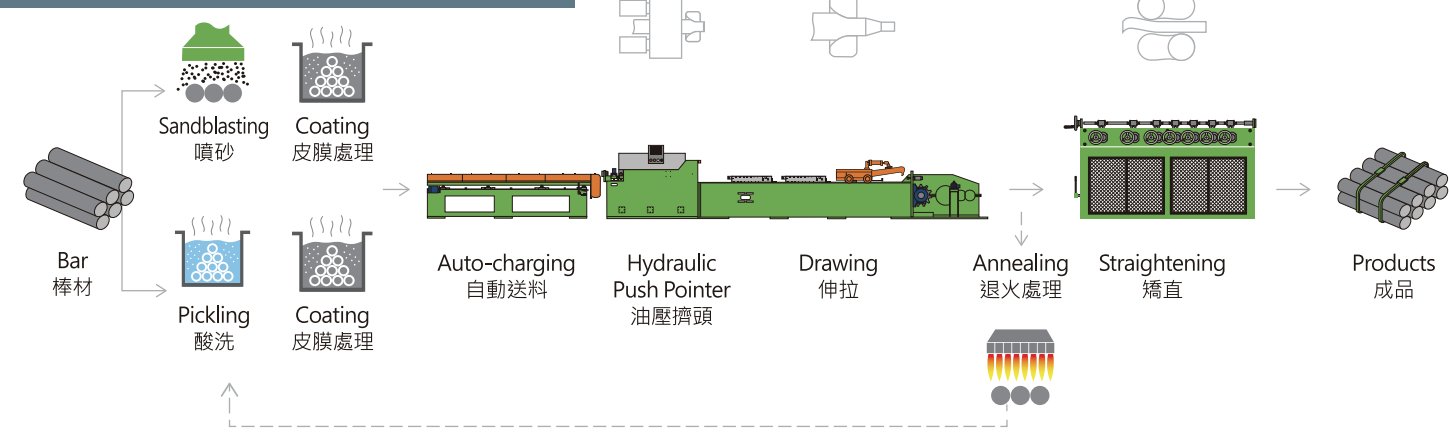
Bar Drawing Process

金屬棒材生產

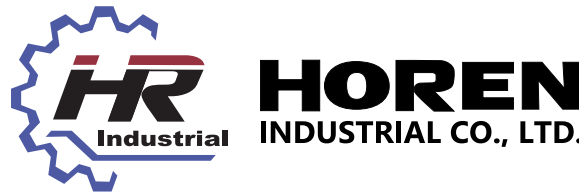


Automatic Bar to Bar Drawing Process

自動金屬棒材生產



437台中市大甲幼獅工業區東三街2號
No. 2, Dongsan St., Dajia Youth Industrial Park, Taichung 437, Taiwan
TEL : +886-4-26817377 FAX: +886-4-26817387
horen@horenco.com.tw www.horenco.com.tw



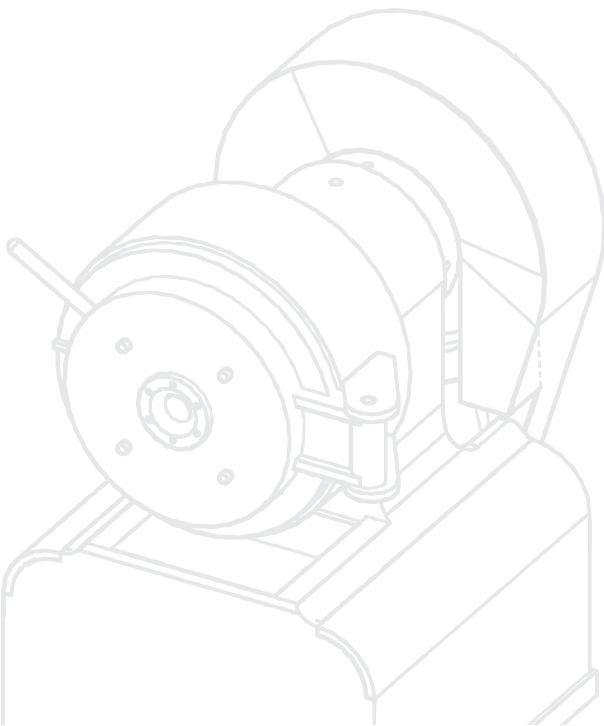
Metal Swaging Machine

- Straightening Machine
- Auto Cold Drawing Machine
- Cold Drawing Machine

金屬束頭機

- 矯直機
- 自動金屬伸拉機
- 金屬伸拉機

Metal Swaging Machine



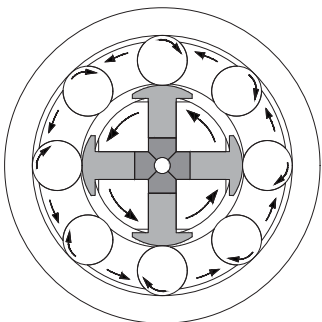
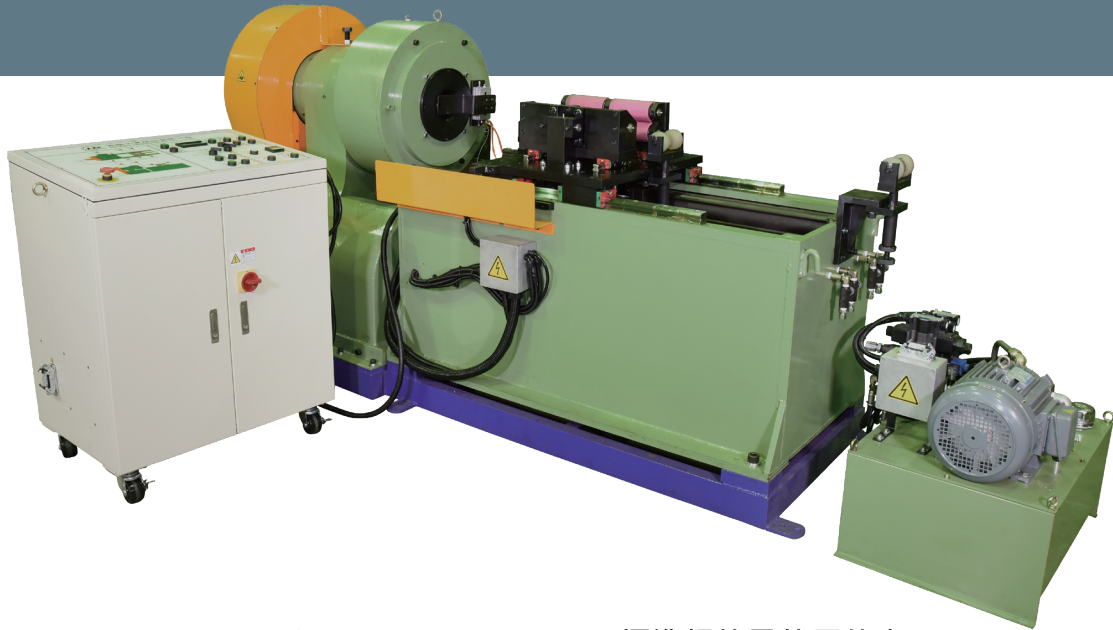
Metal Swaging Machine

Main Features

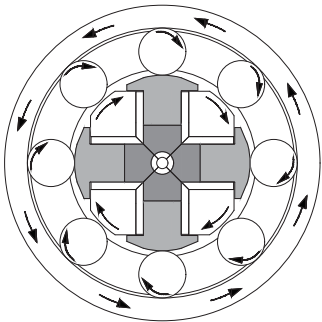
- ✓ Fast processing speed and minimum chips removal
- ✓ Suitable for both non-ferrous and steel materials with no temperature restrction
- ✓ Versatile applications with easy replacement of spare parts and consumables

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.

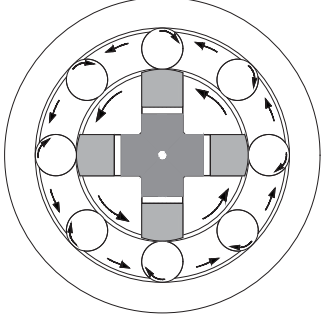
This machine is easy to install and operate, and the sloping angle of swaging dies can be customized according to customer specifications. It finds wide application in the manufacture of semi-finished products and consumer goods such as lighting parts, furniture componesnts, bicycle racks, hardware,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



SM03



SM05



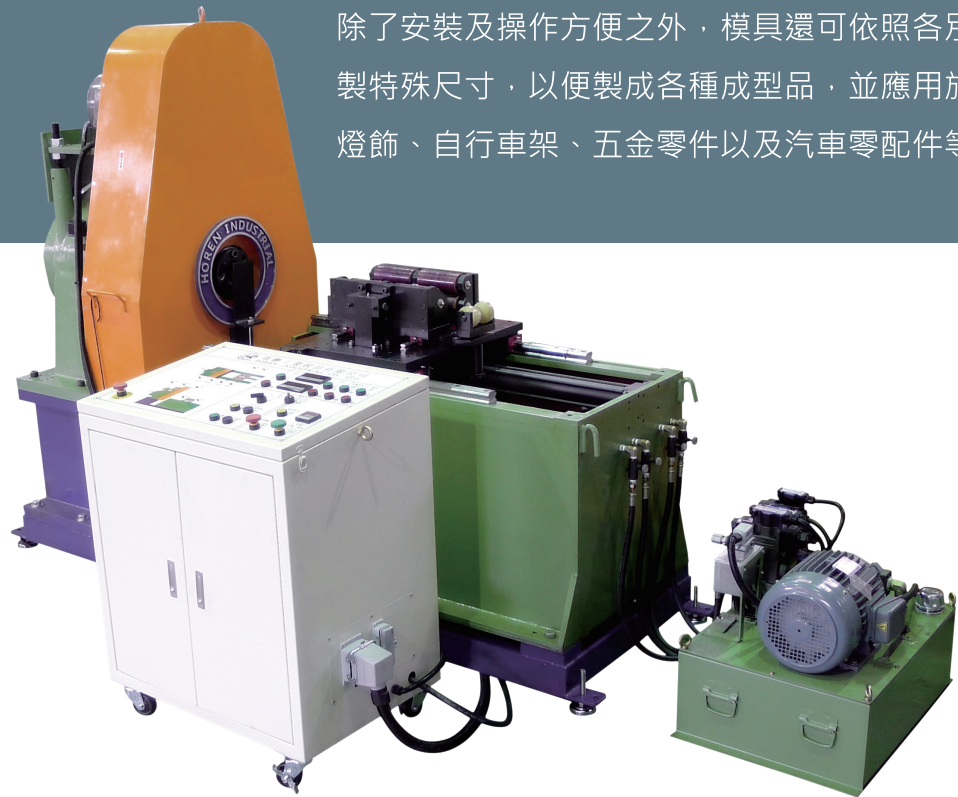
SM15

金屬束頭機

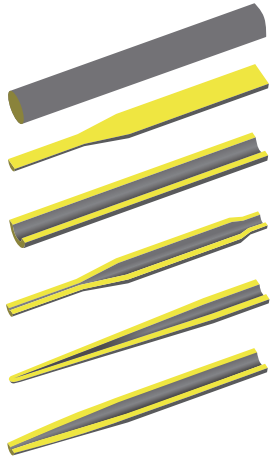
3大優點

- ✓ 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。



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	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		Ø30~90 t:1.0~8.0		Ø10~45 t:1.0~5.0	
		 Rod / Bar 棒		Ø2~5 -		Ø3~15 -		Ø10~35 -		Ø15~35 -		Ø30~75 -		Ø10~30 -	
	Steel / Alloy 鋼鐵 / 合金材料	 Tube 管		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		Ø30~80 t:1.0~5.0		Ø10~38 t:1.0~4.0	
		 Rod / Bar 棒		Ø2~4 -		Ø3~12 -		Ø10~30 -		Ø15~30 -		Ø30~60 -		Ø10~25 -	
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。