

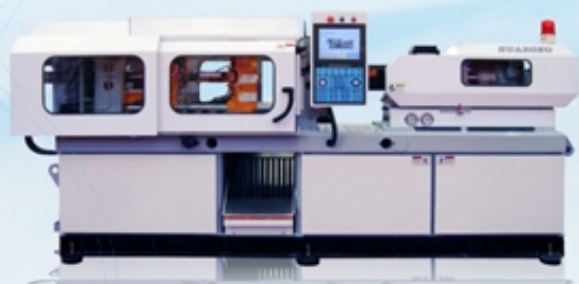


華嶸精密機械股份有限公司
HUARONG PLASTIC MACHINERY CO., LTD.

Taiwan
Excellent Injection Molding Machine

HR-M

醫療伺服射出成型機
HR-M Servo Hydraulic
Injection Molding Machine
for application of Medical Parts



Certificate No: AJA01/3324

華嶸能滿足您一切所需
Your production fulfilled is our promise!
Huarong motivate both to be worth.

HR-M 醫療伺服射出成型機

HR-M Servo Hydraulic Injection Molding Machine for application of Medical Parts

潔淨無污染、高精密、省能源

Clean non-polluting, High Precision, Power Saving

HR-M的優勢 Advantage of HR-M

結合全電式射出機的優點 -

Dapted features from Fully-Electric machine

高應答、高重現性、靜音及省能源。

Rapid Respond, Excellent Reproducibility, Noise-free, and Energy Saving.

油壓式射出機的優點 -

Advantage of hydraulic-driven injection

高推力、維修方便、調節容易、成本低及壽命長。

Superior propulsion, Convenient Maintenance, Easy Adjustment, Lower cost and longer durability.

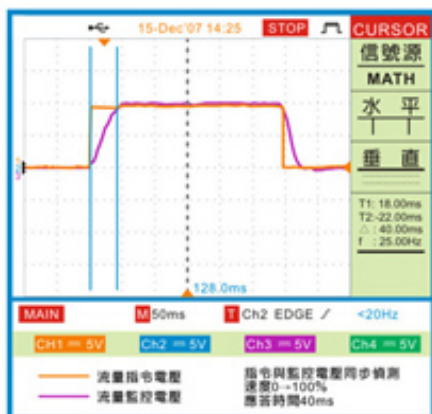
系統響應時間：40ms。

Responding performance at 40ms.

伺服油電動力控制系統運用伺服馬達高速應答，搭配精密檢角器和壓力感測器反饋，實現全系統壓力、速度閉環控制，系統響應時間：40ms，重現性：0.2%。

Servo-hydraulic system driven by servo motor for speedy responding, with resolver & related sensors performing a complete close-loop system in pressure & speed.

Responding performance at 40ms, Repeat-ability:0.2%

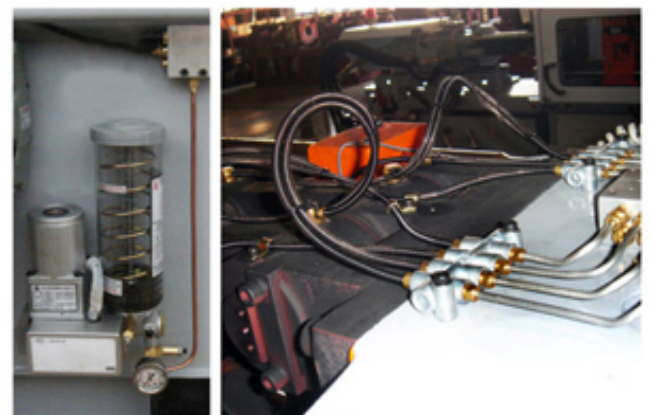


曲手打黃油優點

Advantage of grease lubrication

1. 每一次潤滑的油量固定，每個曲手潤滑點可獲得同樣的潤滑油量。
2. 降低潤滑油對產品的汙染。
3. 採用黃油嘴加入油料之方式，降低油料之異物混入。
4. 附壓力錶裝置，可查知壓力是否正常。

1. Rationed & equalized volume to every lubrication spot.
2. Less contamination from lubricant.
3. Grease nozzle for contamination-free.
4. Pressure gauge monitoring the performance.



應用實例 Application



HR-M 射出成型機規格表

HR-M Series Specification

項目 Item	單位 Unit	HR-80M		HR-100M		HR-120M		HR-150M		HR-220M	
		M	L	M	L	M	L	M	L	M	L
螺桿直徑 Screw Dimension	mm	30	34	32	36	38	42	42	46	50	55
射出壓力 Injection Pressure	kg/cm ²	2310	1798	2460	1944	2308	1889	2285	1905	2352	1943
射出容積 Shot Volume	cm ³	113	145	144	183	226	277	311	373	549	665
射出重量 Shot Weight(PS)	g	102	131	131	166	206	252	283	340	500	605
射出重量 Shot Weight(PS)	oz	3.6	4.6	4.6	5.9	7.3	8.9	10	12	17.6	21.3
射出率 Injection Rate	cm ³ /sec	130	167	152	192	202	247	255	306	298	360
鎖模力 Clamping Force	Tons	80(120)		100(140)		120(160)		150(200)		220(300)	
大柱間距 Tie Bar Distance (HxV)	mm	355x355		405x405		455x455		505x505		555x555	
開模行程 Opening Stroke	mm	305		335		395		425		485	
模厚範圍 Mold Thickness	mm	110~400		110~400		130~480		130~520		200~660	
模版尺寸 Mold Platen (HxV)	mm	515x515		580x580		645x645		715x715		815x815	
頂出行程 Ejector Stroke	mm	90		100		120		130		140	
模具穴 Mold Hole	mm	100		100		100		100		100	
伺服馬達 Servo Motor	kW	16		20		22		25		30	
溫控段數 Number of Heating Zones	Zones	4		4		4		4		5	
電熱容量 Total Heating Wattage	kw	9.4		10.2		13.2		16.2		20.5	
系統壓力 System Pressure	kg/cm ²	140		140		140		140		140	
油箱容量 Oil Capacity	L	260		320		400		480		675	
機械尺寸 Machine Dimension (LxWxH)	m	4.2x1.11x1.6		4.4x1.2x1.6		5.2x1.3x1.7		5.6x1.3x1.8		6.5x1.5x1.9	
機械重量 Machine Weight	Tons	3.8		4.3		5.6		6.6		9.2	

※本產品持續研發改進，規格之變更恕不另行通知。 ※伺服馬達規格會依實際需求設計變動，但機台效能不變動。

※Huarong is subject to modify the specification without pre- notify because of continuous improvement.

※The specification of servo motor might be changed by modification of design, but will not influence on machine efficiency.

機台配備 Standard Accessories

01.80-220 TON耐50KG料桶 02.避震腳 03.中子〈雙〉風托〈雙〉 04.水分流器，10進10出 05.長射嘴1pcs 06.射嘴電熱1pcs
07.感溫線：短頭式M6，扣環式Φ8各1Pcs 08.各式保險絲各2pcs 09.吊桿滑輪組(80TON~150TON) 10.模具夾鐵組一台份
11.標準配件工具箱，油電回路圖 12.SSR 附加 1pcs 13.後急停裝置 14.托模電位計 15.冷卻水路開關 16.螺桿轉速功能
17.滑腳(免潤滑材料) 18.上曲手油盤 19.高溫電熱片 20.背壓獨立比例閥調整 21.曲手潤滑系統 22.上滑板護罩防護 23.加大下油盤

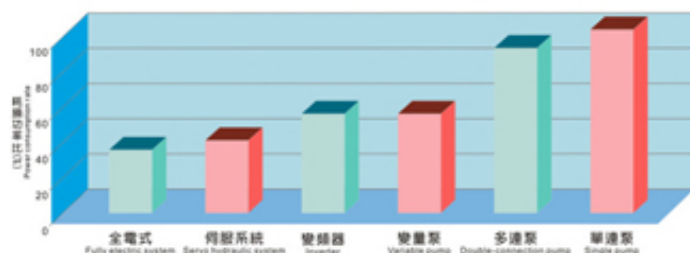
01.80-220 Tons:50kg Hopper Dryer. 02.Anti-Vibration Pad. 03.Core Pull (Dual) 04.Water Manifold with 10in/10out. 05.Long Nozzle: 1pcs.
06.Heater for Nozzle:1pcs. 07.Thermocouple:short-M6, hook-upΦ 8:1pcs per each. 08.Fuse:2pcs per each.
09.Mold Hanger: 1set(80TON~150TON). 10.Mold Clip:1 set. 11.Tool Box with Oil/Electrical Circuit Diagram. 12.SSR:1pcs.
13.Emergent stop switch. 14.Ejector Potentiometer. 15.Cooler with thermo-control water gate. 16.Injection screw with rpm indication.
17.Slider (lub.-free). 18.Upper toggle with lubricant collection plate. 19.F-type ceramic high temperature heater band.
20.Srew back pressure with proportional valve. 21.Grease lubricant to toggle structure. 22.Slider shield on clamping top.
23.Enlarged collection plate for lubricant retrieval.

消耗功率測試 Power Consumption Test

根據實際相同負載測試：伺服油電射出成型機在生產過程中，比傳統液壓式射出成型機節能高達**72.8%**。

Test from equivalent loading, srevo-hydraulic system is with **72.8%** energy saved then a conventional hydraulic system.

能源耗損比較圖 Power consumption comparison



<<Global Networks>>



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<http://www.huarong.com.tw>

台灣華經 (Headquarter & Taiwan Factory)

74555台南市安定區沙崙37-1號

No.37-1, Shalun, Anding Dist., Tainan City 74555, Taiwan.

TEL : +886-6-5939888 FAX : +886-6-5937698

E-mail:roy@huarong.com.tw

無錫華經數控 (Wuxi Factory)

江蘇省無錫市宜興官林鎮義莊村遠大路

Yuanda Road, Yizhuang Village, Guanlin Town, Yixing City, Jiangsu Province, China.

TEL : +86-510-87207622, 87203688 FAX : +86-510-87207619, 87207620

E-mail : wxhr1@live.cn



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