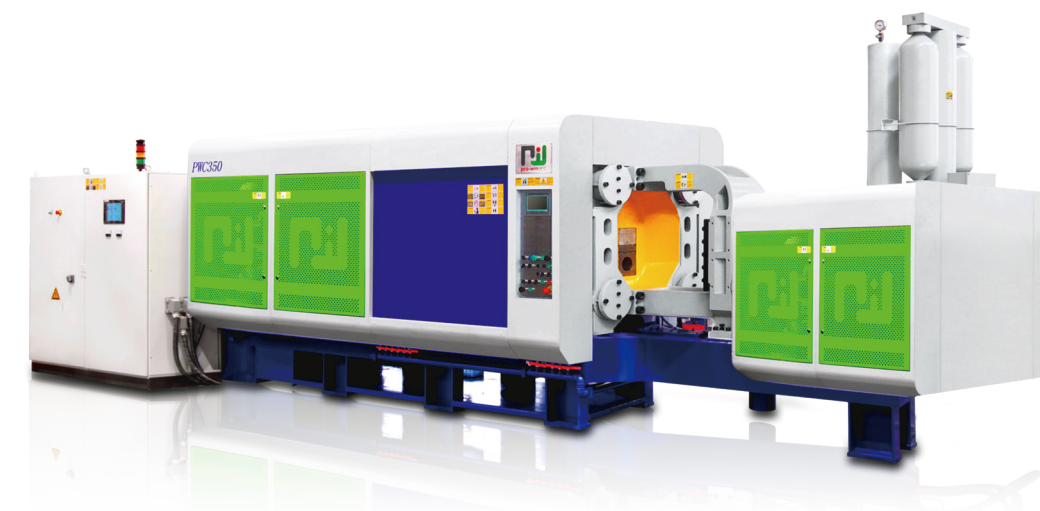


PWC 冷室壓鑄機系列

COLD CHAMBER DIE-CASTING MACHINE SERIES



打造“中國壓鑄工業 4.0”壓鑄機
We build die-casting machine for "China's
die-casting industry 4.0"

仁興機器廠有限公司 (總部)
Yan Hing Engineering Works Ltd.
香港九龍觀塘開源道 62 號駱駝漆大廈第 2 座 5 字樓 A&B 室
Flat A&B, 5/F., Block 2, Camelpaint Buildings,
62 Hoi Yuen Road, Kwun Tong, Kowloon, Hong Kong.
電話 Tel: (852) 2389 1338 傳真 Fax: (852) 2797 8661
郵箱 E-mail: info@yanhing.com

仁興機械 (佛山) 有限公司 (工廠)
Yan Hing Machinery (Foshan) Co., Ltd.
中國廣東省佛山市高明區楊和鎮高明大道中人景路 13 號
13 Renjing Rd., Yanghe Town, Gaoming District, Foshan City, P.R. China.
電話 (Tel): 0757-8880 3372 傳真 (Fax): 0757-8880 3329

www.yanhing.com
www.prowin.com.hk



YH20170710.1



公司簡介

仁興集團最早成員一仁興機器廠有限公司，二十世紀五十年代成立於香港，致力研製注塑機，是香港該行業始創者之一。90年代初，創辦人梁烟先生把握國內改革開放的機會，於深圳市成立仁興機械（深圳）有限公司，並購置土地興建 25,000 平方米工業廠房，產能每月達 100 多台注塑機；95 年曾在香港將軍澳工業村獲批土地興建 15,000 平方米生產廠房，為要擴大生產規模及出口業務，開業至今企業都奉行創辦人的營商格言「誠信為先，品質為本」。六十年來所研製的各系列注塑機均以品質優越而深受用家愛戴。配合集團發展需要，旗下壓鑄機品牌“Pro-win 寶弘”，致力研發高增值及新技術的冷、熱室壓鑄機，以海外市場為主的品牌「Pro-win 寶弘」系列，得到用戶的信任和好評，並於 2004 年推出全東南亞首台半固態壓鑄機；同年推出全中國首台 850 噸鎖模力多功能、超高速鎂、鋁冷室壓鑄機，現正在歐洲品牌汽車零部件製造行業中被使用，獲得用戶一致肯定；同年又與香港生產力促進局及法國專家合作研發半固態鋁合金壓鑄機並獲得不少國際品牌客戶。集團提倡“以人為本”的經營理念，企業的發展及成就與優秀的管理層團隊及資深的員工是密不可分。集團內部成立了“專門技術培訓小組”，對員工進行定期的技術培訓，聘請專業人士和多家管理顧問公司，針對管理層團隊進行在職培訓。

Company Introduction

Yan Hing Machinery Co., Ltd., was established in Hong Kong in the 1950s and was a pioneer, committed to the development of injection molding machines and also in the industry. Our founder Mr. Leung Yin seized the opportunity during China's reform and opening up in the 1990s to establish Yan Hing Machinery (Shenzhen) Co., Ltd., and purchased land to build 25,000 square meters of industrial plants which had the monthly production capacity of more than 100 injection molding machines; In 1995, Yan Hing Machinery was granted land to build 15,000 square meters of production plant at the Tseung Kwan O Industrial Estate in Hong Kong. This expanded the scale of production and in the exportation business, and was also in line with Mr. Leung Yin's business motto "integrity first, quality-oriented." Over the six decades of development of injection molding machines, Yan Hing machines have been well received by their users to be of superior quality and in the forefront of the industry. Pro-win die-casting machine is a product line from Yan Hing Group. We launched Southeast Asia's first semi-solid die casting machine in 2004. In the same year, Pro-win also launched a machine with a full 850 tons of clamping force which was China's first multi-purpose, ultra-high speed magnesium, and aluminum cold chamber die casting machine. European brands are now utilizing this technology, especially in the automotive parts industry and users have expressed positive feedback. Also in 2004, a semi-solid aluminum die casting machine was developed in a tripartite collaboration with the Hong Kong productivity Council and the French experts. We promote a "people-oriented" business philosophy. We believe achievements of outstanding senior management team and employees are inseparable. This is why, continuous types of training are conducted via a "special technical training team" for regular technical training of staffs, in-service training for our team and management consultants are hired for their expertise and value add to us.



PWC/GR 伺服節能冷室壓鑄機系列

COLD CHAMBER DIE-CASTING MACHINE SERIES WITH SERVO PUMP SYSTEM

液壓系統

- 採用先進的伺服節能動力系統，整體耗電量節省 50% 以上。
- 配置有快速鎖模裝置，提高生產效率。

Hydraulic System

Our machine allows us to have the power consumption savings of more than 50% with the use of advanced energy-saving servo power system.

鎖模部份

- 模板及機紋採用精密數控機床加工而成，精度高、強度大。
- 模板及各受力零件均進行了先進的有限元優化設計，讓機械結構剛性強。
- 採用較大的導柱間距設計，讓生產更靈活。

Clamping Unit

Our clamping unit is high in strength and precision. The platen is high in rigidity with its advanced optimization design. Also, production process is more flexible as it uses a larger space between tie-bars design.

壓射系統

- 射料部份連接採用 C 型架結構，結實耐用。
- 快壓射系統和增壓系統使用獨立的活塞式儲能器。
- 全新設計的雙回路單向閥式射料系統。讓可靠性和穩定性全面提升。

Injection System

"C" frame design for connection between injection unit and clamping unit allows for high rigidity.

控制系統

- 電箱採用分離式設計，方便使用。
- 選用日本及歐洲名牌控制器及彩色顯示屏，維護方便。
- 各壓鑄工藝參數已實現電調功能，實現模具參數數字管理。

Control System

Use of Japanese and European brand controller and color display for easy maintenance.

機架底座部分

- 全新設計的機架，機架配置有較大空間的布線槽，檢修維護更方便。
- 油箱、油泵、濾油器冷卻器安裝布置已優化，保養更換更方便。
- 按 CE 標準要求，整機採用了全封閉式安全防護罩，活動門使用雙行程開關，以確保設備操作安全。

Machine Base

Our new design of the machine base is equipped with larger space for wiring purposes, allowing for convenient maintenance. Also, Our machine uses a fully enclosed safety shield, dual trip switch door activities, in order to ensure safe operation of equipment according to CE standards.

	項目	Item	單位 Unit	PWC160	PWC280	PWC350
鎖模系統	鎖模力	Die-locking Force	KN	1600	2800	3500
	開模行程	Die-stroke	mm	350	450	560
	最大 / 最小模厚	Die thickness (min/max)	mm	550/200	600/300	700/300
	哥林柱內距	Clearance between Tie bars	mm	510x510	580x580	650x650
	模板尺寸	Platen Size	mm	730x730	860x860	1030x1030
	頂出力	Ejection Force	KN	105	145	185
	頂出行程	Ejection Stroke	mm	87	100	130
壓射系統	二速射料力	Injection Force	KN	117	140	140
	增壓射料力 (最大)	Intensity Force (max)	KN	276	346	416
	壓射行程	Plunger Stroke	mm	340	415	505
	壓射位置	Shot Position	mm	-100	0,-125	0,-175
	壓射頭直徑	Plunger-tip Diameter	mm	50,60*,70	50,60*,70	60,70*,80
	壓射頭推出距離	Plunger-tip Penetration	mm	115	138	200
	壓射法蘭直徑	Diameter of chamber flange	mm	Φ 101.6 f7	Φ 101.6 f7	Φ 101.6 f7
	壓射法蘭凸出定板法蘭高度	Height of chamber flange	mm	12 ^{-0.02}	12 ^{-0.02}	12 ^{-0.02}
	射料量 (鋁)	Shot Weight	Kg	1.3,1.87,2.5	1.6,2.3,3.1	2.75,3.75,4.9
	鑄造壓力	Casting Pressure	Mpa	135,93.7,68.9	170,118,86.7	150,110.5,84.5
	鑄造面積 (最大)	Casting Area	cm²	118.5,170,232	164,237,322	232,316,413
	最大鑄造面積 40MPa	Max. Casting Area 40Mpa	cm²	400	700	875
其他	系統工作壓力	Working Pressure	Mpa	14	14	14
	電機功率	Motor Rating	KW	18.5	22	22
	油箱容積	Oil Tank Capacity	L	400	450	500
	機器淨重	Weight of Machine	T	7	12.5	16
	機器尺寸 (L/W/H)	Machine Dimensions (L/W/H)	mm	5600x1600x2700	6470x1630x2750	7300x1710x2850

PWC420	PWC500	PWC600	PWC650	PWC800	
4200	5000	6000	6500	8000	Clamping System
560	550	550	660	660	
700/300	850/350	850/350	900/350	900/350	
650x650	741x741	741x741	870x870	860x860	
1030x1030	1180x1180	1180x1180	1330x1330	1330x1330	
185	235	235	294	294	
130	130	130	155	155	
140	140	225	160	248	Injection System
416	530	541	626	626	
505	580	580	600	600	
0,-175	0,-175,-250	0,-175,-250	0,-250	0,-250	
60*,70,80	70,80*,90	70*,80,90	80,90*,100	80*,90,100	
200	205	205	225	225	
Φ 101.6 f7	Φ 130 f7	Φ 130 f7	Φ 165 f7	Φ 165 f7	
12 ^{-0.02}	15 ^{-0.02}	15 ^{-0.02}	15 ^{-0.02}	15 ^{-0.02}	
2.75,3.75,4.9	4.3,5.6,7.2	4.3,5.6,7.2	5.8,7.4,9.1	5.8,7.4,9.1	
150,110.5,85	129.7,99,78.5	140,108,85	119.4,94,76.4	119,94,76	
278,380,495	385,505,637	425,557,705	544,688,850	670,845,1045	
1050	1250	1500	1625	2000	Others
14	14	17.5	14	14	
22	37	30	37	37	
500	900	900	1000	1000	
16	25	25	33	33	
7300x1710x2850	7620x2200x3100	7620x2200x3100	8800x2830x2970	8800x2830x2970	

規格如有更改，恕不另行通知 / Specifications are subject to change wiithout notice

機器參數 / Machine Specifications

	項目	Item	單位 Unit	PWC850	PWC950	PWC1250
鎖模系統	鎖模力	Die-locking Force	KN	8500	9500	12500
	開模行程	Die-stroke	mm	800	800	1000
	最大 / 最小模厚	Die thickness (min/max)	mm	1000/400	1000/400	1200/400
	哥林柱內距	Clearance between Tie bars	mm	940x940	940x940	1093x1093
	模板尺寸	Platen Size	mm	1490x1425	1490x1490	1730x1730
	頂出力	Ejection Force	KN	400	400	470
	頂出行程	Ejection Stroke	mm	185	185	200
壓射系統	二速射料力	Injection Force	KN	180	319	549
	增壓射料力 (最大)	Intensity Force (max)	KN	804	804	1228
	壓射行程	Plunger Stroke	mm	750	750	850
	壓射位置	Shot Position	mm	0,-140,-280	0,-140,-280	0,-160,-320
	壓射頭直徑	Plunger-tip Diameter	mm	80,90*,100	80*,90,100	100,110*,120,130
	壓射頭推出距離	Plunger-tip Penetration	mm	280	280	330
	壓射法蘭直徑	Diameter of chamber flange	mm	Φ 200 f7	Φ 200 f7	Φ 230 f7
	壓射法蘭凸出定板法蘭高度	Height of chamber flange	mm	20-0.02	20-0.02	25-0.02
	射料量 (鋁)	Shot Weight	Kg	7.3,9.3,11.5	7.3,9.3,11.5	12.6,15.3,18.2,21.3
	鑄造壓力	Casting Pressure	Mpa	152,120,97.5	152,120,97	149,123,103,88
	鑄造面積 (最大)	Casting Area	cm²	559,702,871	625,785,970	822,996,1184,1389
	最大鑄造面積 40MPa	Max. Casting Area 40Mpa	cm²	2125	2375	3062
其他	系統工作壓力	Working Pressure	Mpa	17.5	17.5	17.5
	電機功率	Motor Rating	KW	45	45	37x2
	油箱容積	Oil Tank Capacity	L	1250	1250	2500
	機器淨重	Weight of Machine	T	42	42	78
	機器尺寸 (L/W/H)	Machine Dimensions (L/W/H)	mm	9430x2900x2990	9430x2900x2990	11800x3000x4000

PWC1450	PWC1600	
14500	16000	Clamping System
1100	1100	
1400/400	1400/400	
1200x1200	1200x1200	
1900x1900	1900x1900	
570	570	Injection System
240	240	
549	549	
1228	1228	
950	950	
0,-175,-350	0,-175,-350	
110,120*,130,140	110*,120,130,140	
370	370	
Φ 260 f7	Φ 260 f7	
25-0.02	25-0.02	
17.1,20.3,23.8,27.6	17.1,20.3,23.8,27.6	Others
123,103,88,76	123,103,88,76	
1275,1515,1778,2060	1407,1672,1962,2273	
3919	4324	
17.5	17.5	
37x2	37x2	
2500	2500	
90	90	
12500x3000x4000	12500x3000x4000	

規格如有更改，恕不另行通知 / Specifications are subject to change wiithout notice