

PWC 兩板冷室壓鑄機系列
**TWO PLATEN 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"

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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，創辦人梁焜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。

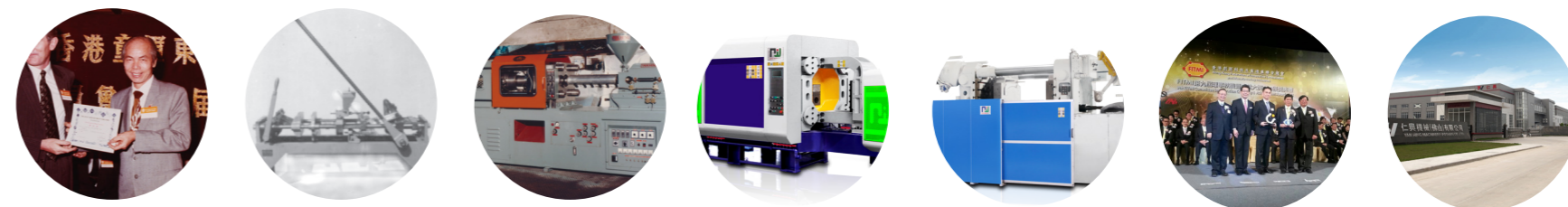
Company Introduction

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.



EXPERT IN DIE-CASTING MACHINES WITH OVER 60 YEARS OF EXPERIENCE

仁興集團成立於香港二十世紀五十年代，創業至今一直以質量、信譽、技術發展及客戶所需奉為經營之道。Established in 1950s, Yan Hing Group has grown rapidly to gain a widely acknowledged reputation for comprehensive technological advancement, strong customer focus and consistent superior quality.



1950s

PRESENT

打造“中國壓鑄工業 4.0”壓鑄機

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我們以這聲譽為榮

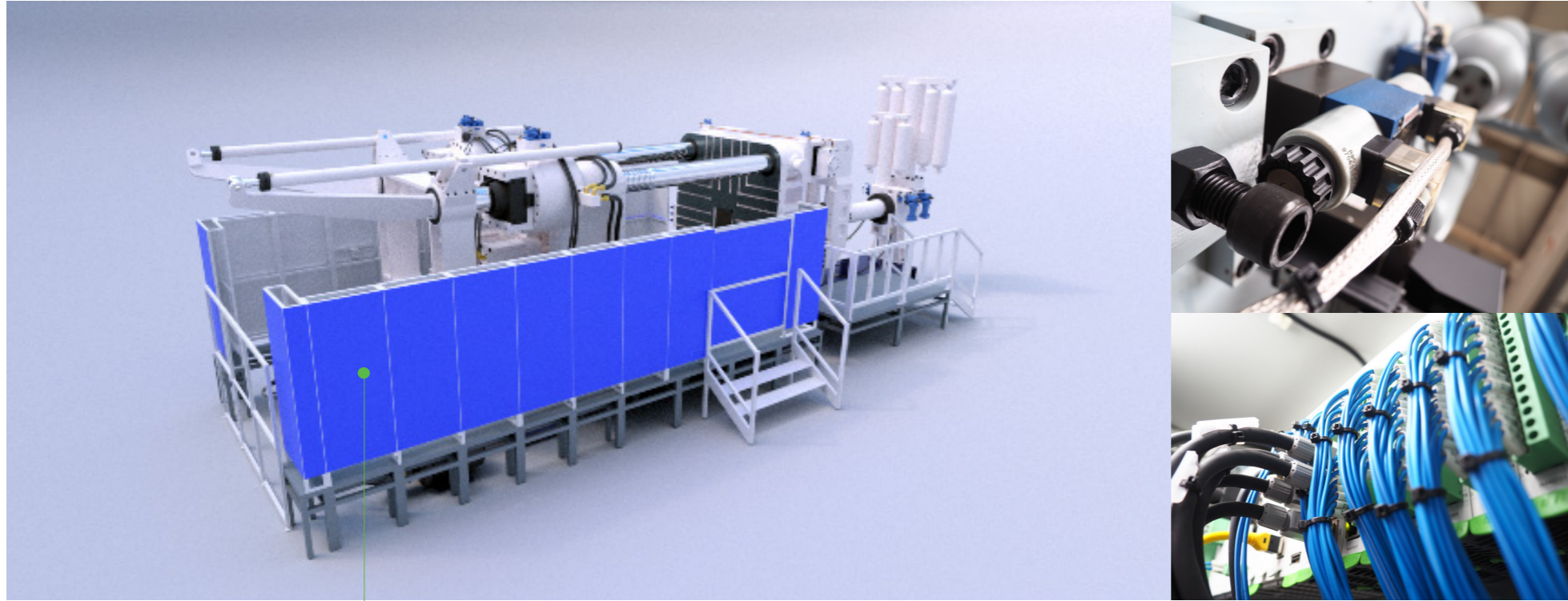
仁興集團不斷追求企業持續發展的機會與守護回饋社會的責任。我們重視企業團隊的精神、業務的發展與先進技術的開發。

A reputation we are proud of

Yan Hing continuously strives for long-term business development and maintain our responsibility to society. We emphasise on corporate team build, healthy business growth and advancement of technology.

PWC1850 實時控制兩板冷室壓鑄機

TWO PLATEN COLD CHAMBER DIE-CASTING MACHINE WITH REAL TIME CONTROL



兩模板機型特點

- 機械結構相對較簡單，運動部件減少，整機長度減小，重量減輕，節省設備安裝空間要求。
- 採用液壓鎖模，大量減少了運動關節，減少潤滑部位和磨損量，降低了設備的維護保養成本。
- 採用伺服油泵動力系統，能有效節能，能耗僅為普通油泵動力系統的 50%。
- 具備自動抽哥林柱功能，上方兩條哥林柱可自動抽出，以方便安裝大型模具。

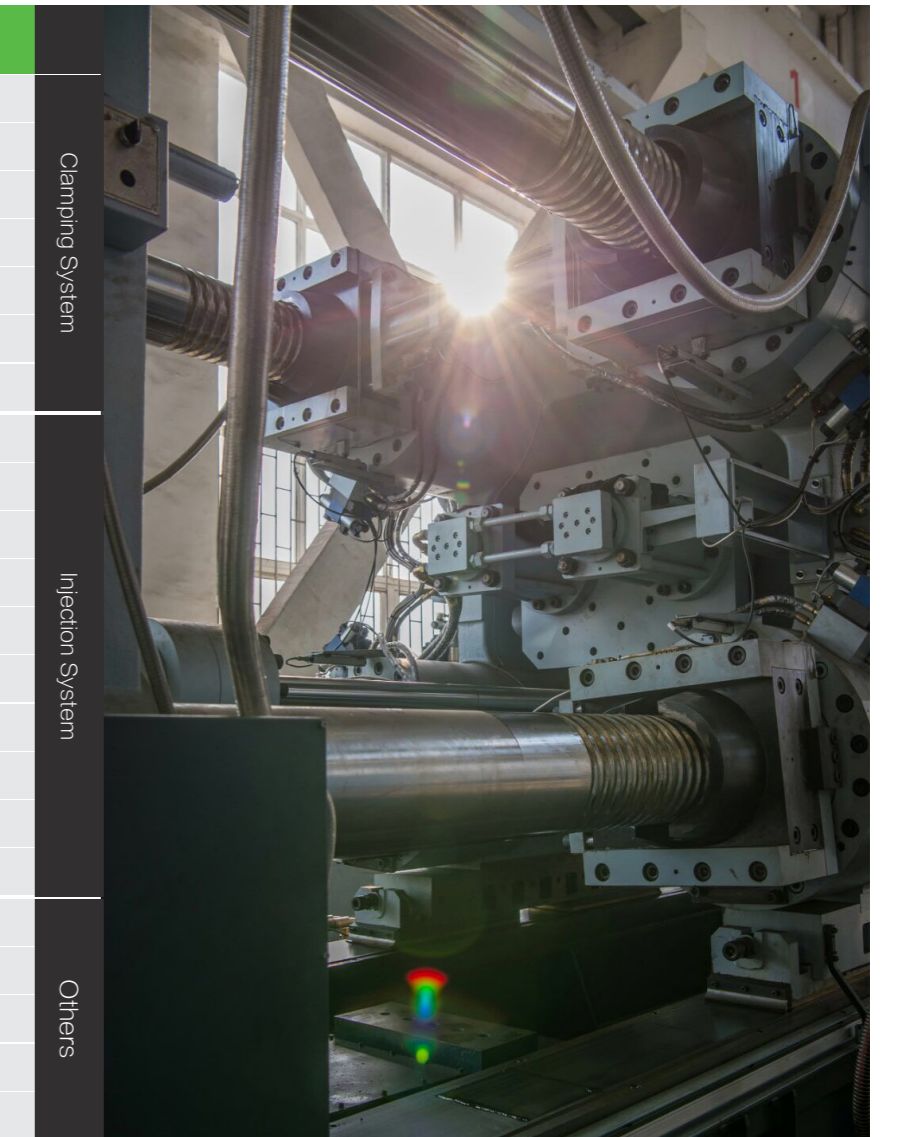
Special features

The mechanical structure of the clamping unit is enhanced with simplicity, reduced machine length and weight to save on production plant size requirement. The use of hydraulic clamping significantly reduces joint movement, reducing lubrication usage and parts wearing off. Overall minimising maintenance cost of this equipment. The use of servo pump system efficiently saves energy consumption of up to 50% compared to normal pump system. Automatic tie bar pulling function for user-friendly large mould assembly.



	項目	Item	單位 Unit	PWC1850	PWC2200	PWC2600
鎖模系統	鎖模力	Die-locking Force	KN	18500	22000	26000
	開模行程	Die-stroke	mm	2000 (2650- 模厚)	2230 (2930- 模厚)	2480 (3280- 模厚)
	最大 / 最小模厚	Die thickness (min/max)	mm	1450/650	1600/700	1800/800
	哥林柱內距	Clearance between Tie bars	mm	1245x1245	1400x1400	1550x1550
	模板尺寸	Platen Size	mm	2080x2080	2300x2300	2550x2550
	頂出力	Ejection Force	KN	630	630	760
	頂出行程	Ejection Stroke	mm	260	300	330
壓射系統	射料力	Injection Force	KN	1485	1485	2050
	壓射行程	Plunger Stroke	mm	1000	1150	1300
	壓射位置	Shot Position	mm	0 to -400	0 to -400	0 to -560
	壓射頭推出距離	Plunger-tip Penetration	mm	410	450	560
	壓射法蘭直徑	Diameter of chamber flange	mm	Φ260 f7	Φ260/Φ280 f7	Φ260/Φ280 f7
	壓射法蘭凸出定板法蘭高度	Height of chamber flange	mm	25	30/25	30/25
	壓射頭直徑	Plunger-tip Diameter	mm	120-160	120-160	140-180
	鑄造壓力	Casting Pressure	Mpa	131-73	131-73	133-81
	射料量 (鋁)	Shot Weight	Kg	21-38	25-44	38-62
	最大鑄造面積 40MPa	Max. Casting Area 40Mpa	cm ²	4530	5500	6500
其它	系統工作壓力	Working Pressure	pa	17.5	17.5	17.5
	電機功率	Motor Rating	KW	45x2	55x2	55x2
	油箱容積	Oil Tank Capacity	L	2800	3000	3200
	機器淨重	Weight of Machine	T	110	145	185
	機器尺寸 (L/W/H)	Machine Dimensions (L/W/H)	mm	12300x3300x4550	13500x4100x4700	14500x4300x4850

	PWC3200	PWC3600	PWC4200
	32000	36000	42000
	2480 (3280- 模厚)	2730 (3580- 模厚)	2730 (3680- 模厚)
	1800/800	2000/850	2100/950
	1650x1650	1750x1750	1900x1900
	2680x2680	2800x2800	2900x2900
	900	900	1050
	330	330	400
	2550	2550	2550
	1400	1400	1500
	0 to -560	0 to -560	0 to -600
	580	580	660
	Φ280/Φ320 f7	Φ280/Φ320 f7	Φ320/Φ340 f7
	30 ^{-0.02} /35 ^{-0.02}	30 ^{-0.02} /35 ^{-0.02}	35 ^{-0.02}
	140-180	140-180	150-200
	166-100	166-100	166-81
	41-68	41-68	50-90
	8000	9000	10500
	17.5	17.5	17.5
	75x2	75x2	75x2
	4000	4000	4000
	225	255	295
	15300x5300x5100	16000x5300x5100	16500x5700x5300



規格如有更改，恕不另行通知 / Specifications are subject to change without notice