


捷迅機械
CHIT SHUN

冷室压铸机

Cold Chamber Die Casting Machine

CSC SERIES 系列

压铸整体解决方案供应商

Die Casting Total Solution Service Supplier



總公司：香港中環德輔道中工業大廈2467-2469室

香港捷迅機械設備有限公司

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公司简介 INTRODUCTION

捷迅机械于1995年在香港创立，国内工厂位于广东省东莞市大岭山镇，总占地面积30000平方米。二十多年来，公司一直专注于高性能压铸机的研发和制造，现已发展成为中国著名的压铸设备设计、制造和服务供应商。

公司主要产品包括铝压铸机系列、铝合金压铸机系列、镁合金压铸机系列以及各种压铸机周边设备。产品广泛用于汽车、摩托车、电器、电子、通讯、灯饰、礼品、玩具、家具、厨卫等行业产品的生产。

以客户为本、品质至上是公司的经营理念，公司于2001年即已通过ISO9001质量认证以及CE认证，专业且及时的售后服务一直受到广大客户的好评。为更好满足国内外客户的需求，提升产品的性能和产量，公司始终十分注重在科研和质量方面的投入，曾取得多项技术专利。

凭借优良的品质、有竞争力的价格和专业的服务，公司产品畅销国内、欧美及东南亚市场。

Chit Shun Machinery was founded in Hong Kong in 1995, factory located in Dalingshan Town, Dongguan City, Guangdong Province, with a total area of 30,000 square meters. For over decades, the company has been focused on the research and development, and manufacturing of high performance die casting machines has become famous die casting and equipment design, manufacture and service supplier in China.

The company's main products include zinc, aluminum and magnesium die casting machines, as well as machine peripherals. The products are widely used in the production of automobiles, motorcycles, electrical appliances, electronics, communications, lighting, gifts, toys, furniture, kitchen and bath industry.

Customer-oriented & high qualification is the company's philosophy, the company in 2001 has already passed the ISO9001 quality certification and CE certification, professional and timely service has been the majority of customers' praise. In order to meet the requirements of domestic and foreign customers, to enhance the performance and quantity of the product, the company has always paid great attention to invest in research and quality, has received a number of technology patents & awards.

With excellent quality, competitive prices and professional service, our products are well marketed in different location of domestic market, European, American and Asian countries.



捷迅中大型压铸机 跻身世界先进行列

高端制造业作为全球经济竞争制高点，受到了各国的高度重视。中国正在大力推进由制造大国向制造强国的转变，捷迅机械有幸成为了其中重要的一员。

随着3500吨及4000吨大型压铸机的交付使用，捷迅多年来在中、大型压铸机方面的研发再次取得了重大成果，达到世界先进水平。捷迅在不断学习国外先进技术和经验的同时广泛听取用户的意见和建议，不断研发、改进、升级。独创的“主动止回增压系统”，建压时间短、压力冲击小、重复精度高，最适合生产高致密性铸件。独有设计的“后机板滚轴滑靴式承托结构”，大幅减少了机板与导轨的摩擦力，只需极小的压力即可实现调换动作，既节能又可减少相应故障的发生。

伺服动力系统在压铸机上的应用，是曾经的行业难题，由捷迅的研发团队率先攻克并成功推广。捷迅设计的伺服动力系统智能动态运转，而且响应速度快，结合捷迅在液压系统独创应用的“快速差动再生换油路系统”，开模动作快速并且平稳，大幅提高了生产效率。在大量消除高压节流的情况下，系统油温随之降低，整机稳定性和使用寿命得到进一步提升。和同类产品比较，先进的油路设计、紧凑的机械结构、以及趋于完美的控制软件，使捷迅的中、大型压铸机不但运行更加平稳，而且速度有了大幅度的提升，可为客户大幅提升生产速度和节约生产成本。



Chit Shun heavy duty die-casting machines Enter world class advanced level

With the delivery and use of heavy duty die-casting machines (1000 tons or above), Chit Shun's R & D made significant achievements again over the years & reaching the world advanced level. By integrating new technology of servo power system, it is drastically helping to save energy up to 70%.

Apply with Chit Shun's hydraulic system "Fast Differential Hydraulic Clamping Regeneration System" that implicitly allows to have a faster and more stable die opening and closing cycle, that will improve the production process and ultimately the customer's efficiency.

Instance the new original design of Chit Shun "Initiative Oil Block Pressurization System" is providing shorter pressure build-up time, less impact and higher reliability, that is more suitable for high-density die-casting components.

Another in house development "Rear Platen Roller-shoe Type supports structure" that allows to reduce friction significantly between the platen and the guide railway, with minimal pressure requirement during the die height adjustment process. Today we can claim more stable operation processes with about 20% less cycle time, which will ultimately help the customer to reduce their production costs and de-factor increase their profit or their competitive edge.

电器控制部份 PLC CONTROL UNIT



控制系统采用德国西门子专业PLC，彩色触摸屏操作，可提供参数设定及故障显示。该系统具有高度的稳定性，安全可靠。
German Siemens PLC control system with color touch screen provides function as parameters settings & alarm message display, to ensure machine stable, safe and reliable performance.

液压系统部份 HYDRAULIC SYSTEM

油压系统采用双比例控制系统压力和流量，实现多级压力和速度控制及低压锁模功能。所有油阀及密封件均采用欧日知名厂商产品，以保证品质及耐用性；采用知名品牌高性能、低噪音的高低压双泵或单泵以节省能源及提高生产效率。
Hydraulic system adopts a dual proportional control system of pressure and hydraulic flow, achieves multi-stage pressure and speed control, and low pressure clamping protection. European or Japanese made oil seals could enhance machine reliable operation; Imported high-low pressure double pump performs lower noise level with high efficiency.



锁模及调模部份 CLAMPING AND DIE HEIGHT ADJUSTMENT UNIT

高强度球墨铸铁锁模性模板和机咬，采用双曲肘连杆拉力结构，达到快速、坚固、耐用以及稳定的效果。
High strength and wear resistant casting platens and toggles, toggle system designs with double link the bar guidance, brings even stress distribution and steady mechanism.



液压驱动齿轮调模，操作迅速、稳定且精度高。
Standard with hydraulic driven gear type die height adjustment for convenient operation & accurate setting.

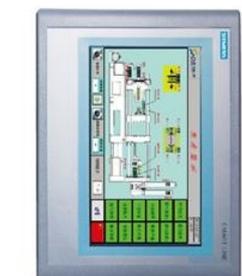


压射部份 INJECTION UNIT

采用大流量柱塞阀及精密流量控制阀，提供精确的一、二速及增压三段稳定的压射动作。二速和增压均采用优质活塞式储能器，提供高效率的二速压射速度。增压反应快且建压时间短，不受二速影响，增压压力及反应时间均可独立调整。采用欧式拉杆结构和不同压射位置选择，使压射力能透彻传递和应付不同模具要求。
It adopts with high flow hydraulic system, precision flow control valves and high quality piston accumulators for 2 and 3 stages injection, provides steady injection and individual settings for speed and pressure, Injection Unit adopts European design with multi-injection position, enables the maximum transmission of injection force and suitable for variable range of die design.



标准配置 STANDARD FEATURES



- ▶ 彩色触摸屏
Colour Touch Screen Display
- ▶ 可编程逻辑控制器
Programmable Logic Controller
- ▶ 低压锁模保护程式
Low Pressure Die Closing Protective Program
- ▶ 开模模及顶针比例式压力及速度控制
Die Closing & Opening Proportion Speed & Pressure Control For
- ▶ 锤头润滑装置
Plunger Lubrication System
- ▶ 中央润滑系统
Centralized Lubrication System
- ▶ 液压多次顶针
Hydraulic Multi Ejection
- ▶ 三段压射速度控制
Three Stages Injection Speed Control

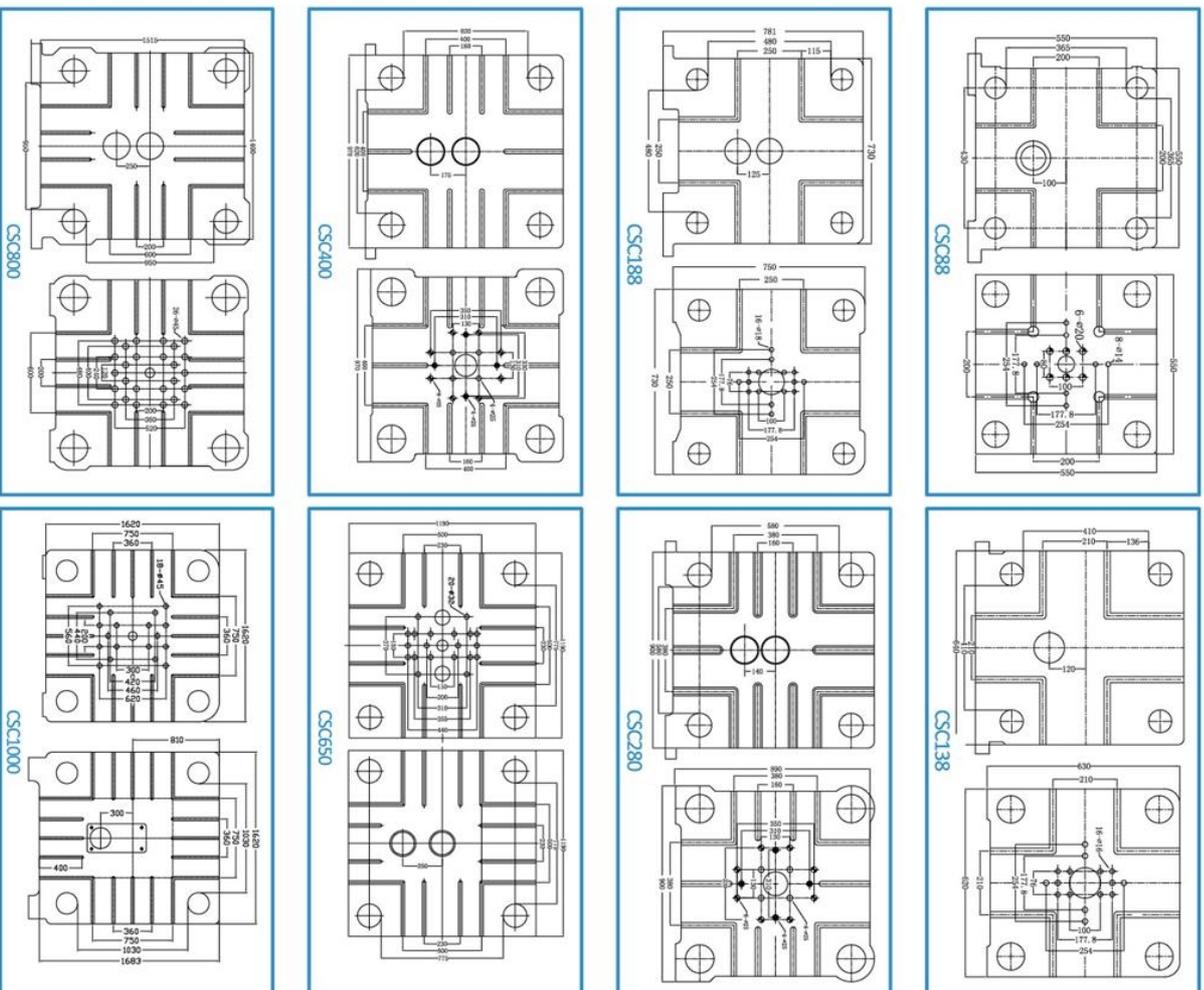
备选配置 OPTIONAL FEATURES

- ▶ 伺服动力系统
Servo Drive System
- ▶ 液压抽出哥林柱装置
Hydraulic Tie Bar Extraction
- ▶ 液压抽芯装置
Core Pulling Device
- ▶ 多个射料位置 (液压升降)
Multi Shot-Position (Hydraulic Lift Up Platform)
- ▶ 自动开关安全门
Automatic Safety Door
- ▶ 射料监测系统
Injection Monitoring System
- ▶ 模温监测装置
Die Temperature Monitoring Device



- 提高了整体机械效率，大幅节省电费。
- 有效降低锁模速度，从而进一步提高模具寿命及效率。
- 有效降低顶针速度，进一步降低顶针的磨损并可延长顶针的使用寿命。
- 设计有周密的自身防护系统，可在恶劣环境中连续稳定工作。
- Improve machine operation efficiency and energy savings.
- Enhance machine operation precision and speed, thereby further improving the casting quality and cycle time.
- Effectively reduce the hydraulic oil temperature, improve the stability of the machine and prolong the usage life.
- Enhanced design suitable to use under metal dust, harsh environment, high temperature working conditions

CSC 系列 模板 尺寸图 PLATEN DRAWING

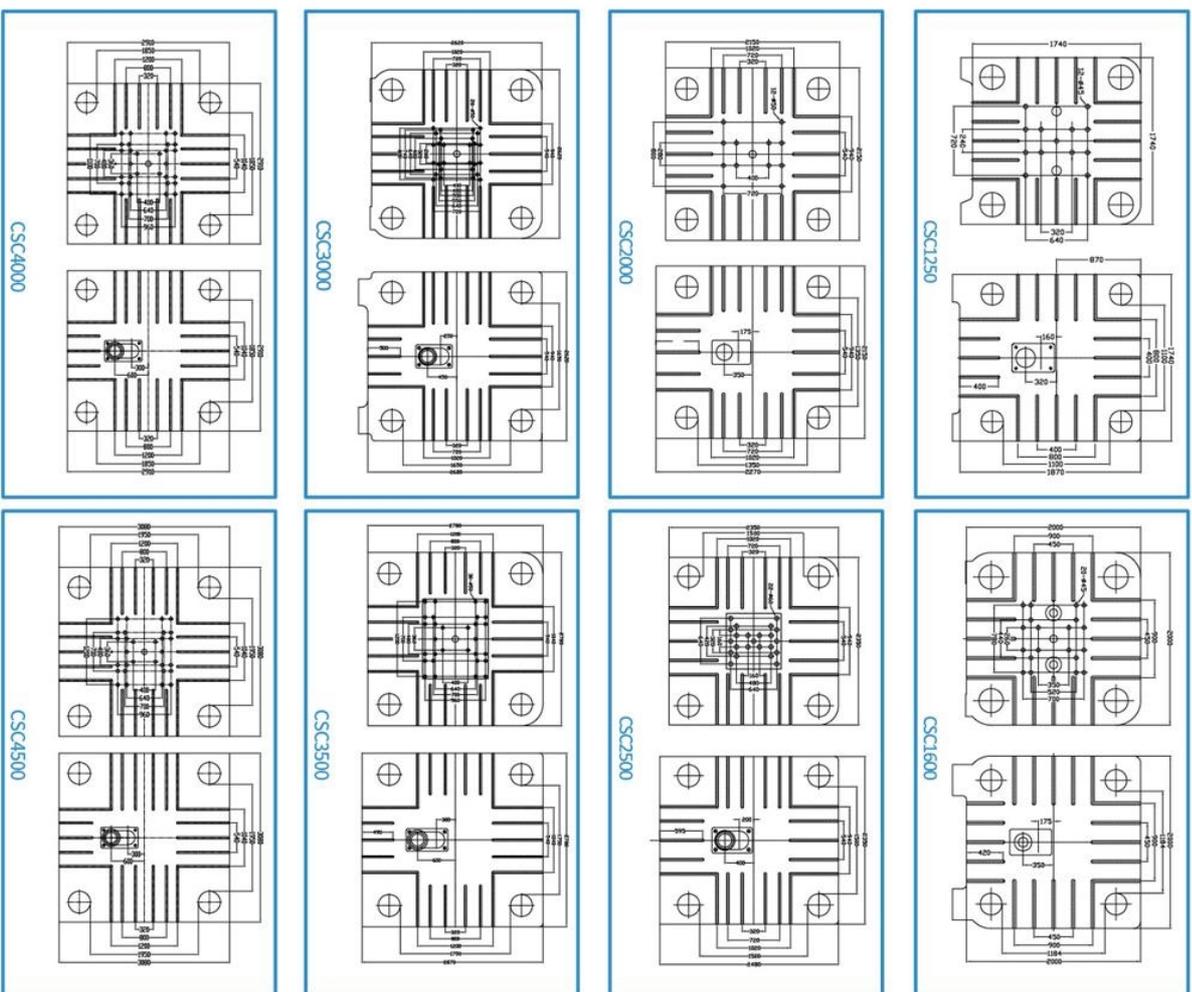


CSC 系列 参数表 SPECIFICATION

项目 ITEM	Unit	CSC8	CSC138	CSC188	CSC280	CSC400	CSC650	CSC800	CSC1000
锁模系统 CLAMPING UNIT									
锁模力 Clamping Force	KN	880	1380	1880	2800	4000	6500	8000	10000
导柱间距 Space Between Tie Bars	mm	355-385	410-410	480-480	580-580	620-620	620-620	775-775	950-950
锁模行程 Die Opening Stroke	mm	245	305	400	470	550	700	800	880
容模厚度 (最小-最大) Die Height(Min-Max)	mm	120-360	150-450	200-550	250-650	300-700	350-880	400-950	450-1150
模板尺寸 Platen Size(HxV)	mm	550x550	620x630	730x750	900x920	970x985	1190x1190	1400x1400	1620x1620
顶出力 Ejector Force	KN	40	60	76	140	190	300	380	500
顶出行程 Ejector Stroke	mm	60	76	100	110	125	150	200	200
压射系统 INJECTION UNIT									
压射力(额定) Max. Injection Force	KN	140	205	233	355	423	650	700	860
射料行程 Plunger Stroke	mm	280	315	350	415	500	620	750	800
压射位置 Shot Position	mm	-100	-120	0-125	0-140	0-175	0-250	-0-250	0-300
柱塞直径 Plunger Diameter	mm	35-40	40-50-60	40-50-60	50-60-70	60-70-80	70-80-90	80-110	90-120
射料量(A) Shot Weight	kg	0.5-0.7	0.68-1.0-1.5	0.8-1.2-1.8	1.4-2.1-2.8	2.6-3.5-4.5	4.3-5.5-7.3	5.5-12.8	9.5-16.9
铸造压力 Casting Pressure	Mpa	158-102-725	185.5-118.5-82.3	188-125-92	146.0-109.8-84.2	168-120-102	139-79.6	136-76.5	136-76.5
铸造面积 Casting Area	cm ²	60-80	87-135	101-158-228	155-224-304	272-364-475	386-503-637	575-1086	730-1305
最大铸造面积 Max.Casting Area(400kg/cm ²)	cm ²	220	345	470	700	1000	1625	2000	2500
压射法兰直径 Shot Flange Diameter	mm	90	101.6	101.6	101.6	110	165	200	240
压射法兰凸出高度 Height of Shot Flange	mm	10	12	12	12	12	15	20	20
柱塞推出行程 Penetration	mm	100	110	120	142	200	250	350	320
其它 OTHERS									
工作压力 System Working Pressure	Mpa	10.5	12	12	14	14	14	14	14
马达功率 Motor Capacity	kw	11	15	15	22	22	37	37	45
油箱容量 Oil Tank Capacity	L	210	320	420	600	800	1000	1500	1800
机器重量 Machine Weight	Ton	3.3	4.8	7	11	16	28	39	70
机器尺寸 Machine Dimension (LxWxH)	mm	3900X1100 X2400	4800X1300 X2450	5500X1500 X2600	5800X1600 X2600	6200X1800 X2800	7800X2100 X2900	8900X2500 X3200	10200X3500 X4000

* 图片仅供参考, 请以实物为准。
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CSC 系列 模板尺寸图 PLATEN DRAWING



CSC 系列 参数表 SPECIFICATION

项目 ITEM	Unit	CSC1250	CSC1600	CSC2000	CSC2500	CSC3000	CSC3500	CSC4000	CSC4500
锁模系统 CLAMPING UNIT									
锁模力 Clamping Force	KN	1250	1600	2000	2500	3000	3500	4000	4500
导柱间距 Space Between Tie Bars	mm	1100x1100	1184x1184	1350x1350	1500x1500	1650x1650	1750x1750	1850x1850	1950x1950
锁模行程 Die Opening Stroke	mm	1000	1200	1400	1500	1500	1600	1600	1800
容模厚度 (最小-最大) Die Height(Min-Max)	mm	450-1200	500-1400	650-1600	800-1800	800-2000	850-2050	900-2100	900-2200
模板尺寸 Platen Size(HxV)	mm	1740x1740	2000x2000	2150x2150	2350x2350	2630x2630	2780x2780	2920x2920	3080x3080
顶出力 Effector Force	KN	590	640	650	750	900	900	1000	1000
顶出行程 Effector Stroke	mm	200	250	300	300	300	300	300	400
压射系统 INJECTION UNIT									
压射力(吨压) Max. Injection Force	KN	1080	1250	1550	1700	2100	2410	2560	2760
射料行程 Plunger Stroke	mm	880	930	960	1080	1180	1400	1500	1600
压射位置 Shot Position	mm	-160, 320	-175, 350	-175, 350	-200, 400	-250, 450	-300, 600	-300, 600	-300, 600
锤头直径 Plunger Diameter	mm	100-140	110-150	130-170	140-180	150-190	160-200	170-210	180-220
射料量(AJ) Shot Weight	kg	13-25.4	17-32	22-41	30.3-50.1	39.1-62.7	52.7-82.4	55-88	76.3-114.0
铸造压力 Casting Pressure	Mpa	137-70	132.5-71.3	116.5-68	117-71	110-73	120-77	112-74	110-73
铸造面积 Casting Area	cm ²	910-1785	1200-2240	1750-3030	2270-3785	3250-4410	2910-4540	3590-5400	4090-6115
最大铸造面积 Max.Casting Area(400kg/cm ²)	cm ²	3125	4000	5000	6250	7500	8750	10000	11250
压射法兰直径 Shot Flange Diameter	mm	240	260	260	280	280	320	320	340
压射法兰凸出高度 Height of Shot Flange	mm	25	25	25	30	30	30	35	35
锤头推出板距离 Plunger Penetration	mm	350	360	400	450	530	600	650	700
其它 OTHERS									
工作压力 System Working Pressure	Mpa	16	16	16	16	16	16	17	17
马达功率 Motor Capacity	kw	2x37	2x37	2x45	135	165	220	220	240
油箱容量 Oil Tank Capacity	L	2500	2600	2800	3700	4200	4800	5200	6000
机器重量 Machine Weight	Ton	80	102	130	168	215	275	300	350
机器尺寸 Machine Dimension (LxWxH)	mm	11000x4000x4100	11900x4100x4350	12800x4400x4500	16000x5400x5350	16000x5400x5350	16000x5400x5300	17000x5600x5370	18300x5700x5390

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