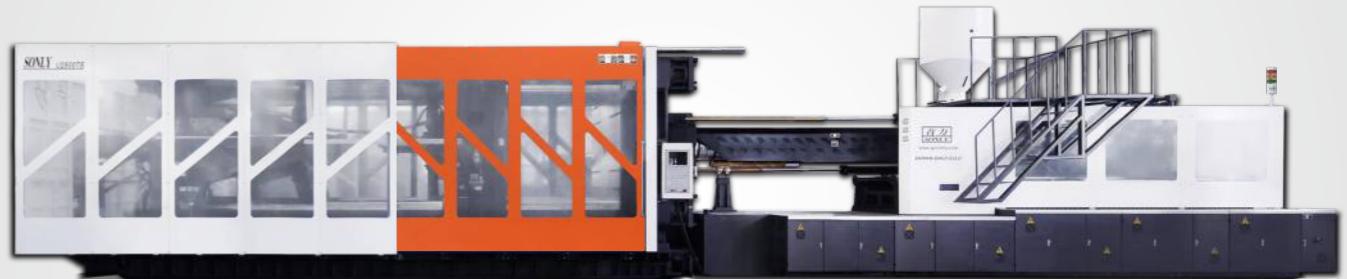


U-TS系列伺服节能注塑机

U-TS series servo energy-saving injection molding machine

www.gosonly.com

U98-3400TS



SONLY 首力

浙江首力智能装备有限公司

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工信部工业机械示范品牌

浙江首力智能装备有限公司

ZHEJIANG SONLY INTELLIGENT EQUIPMENT CO.,LTD



公众号二维码



网站二维码

企业概况 Company profile

首力是专业提供塑料成型整体解决方案的高新技术企业，公司创建于1998年，位于“中国注塑机之都”宁波，集研发、制造、加工、检测、应用于一体，年生产能力达到5000台。

首力拥有6万平米现代化生产基地，各类大型先进精密加工和检测设备300余台套，拥有一批高素质、高学历的技术研发和管理团队、与知名高校联合建立研究生培养基地。

首力是工信部机械品牌示范企业，通过CE、ISO9001质量体系认证，已累计授权专利27项，拥有品类齐全的首力U-TS系列高档精密注塑机、伺服注塑机、PET瓶胚、PP-R管件专用、水果筐、双色、二板大型、全电动注塑机等多系列规格，涵盖了锁模力98吨-3400吨的全系列产品，在国内建立40多家销售网点，产品远销中东、南美、东南亚、独联体等国家和地区。

SONLY is a high technical company which established in 1998, professional at offering turnkey plastic injection project solution. SONLY factory located in Ningbo, “the city of injection molding machine”. It has a whole production line including research & study, manufacturing, processing, inspection and application, with production capacity of 5000 sets each year. SONLY has a modern production workshop of 60000 square meters, different kinds of big advanced precision equipment of more than 300 sets, a group of highly educated research team and management team.

SONLY injection molding machine has CE, ISO 9001 certificates and 27 patents. It produces injection machine from 98 to 3400 tons, includes SONLY U-TS series high precision injection molding machine, servo motor injection molding machine, PET preform machine, PPR special series machine, fruit box special series machine, double color machine, two plate machine, full electric injection machine etc., which has been sold to Europe, Middle East, South America and Africa.



COMPANY ADVANTAGES

公司优势



先进的研发技术水平 Advanced R&D technology level

达到了同类产品国际先进水平，在设计、制造、装配、调试方面积累了丰富的经验，塑机设备机、电、液一体化的领先。

We reached the international advanced level of similar products, and has accumulated rich experience in design, manufacturing, assembly, and debugging, and is a leader in the integration of mechanical, electrical and hydraulic equipment for plastic machines.



专业化的制造优势 Specialized manufacturing advantages

液压、电控系统实现了专业化程度高，主机和大件毛坯的自主加工，与国外同类产品相比，制造工艺水平名列前茅。

The hydraulic and electronic control systems have achieved a high degree of specialization, and the mainframe and large blanks can be processed independently. Compared with similar foreign products, the manufacturing technology level is among the best.



良好的供应链技术支持 Good supply chain technical support

已与国内外知名企建立了长期稳定、可靠的配套和技术支持的战略合作关系。We have established long-term stable and reliable strategic cooperative relations with well-known enterprises at home and abroad.



完善的自主生产能力 Perfect independent production capacity

公司投资6000余万元引进大型加工设备、精密加工中心等大型设备300余台套，实现完全自主生产制造能力。

Our company invested more than 60 million yuan to introduce more than 300 sets of large-scale processing equipment, precision machining centers and other large-scale equipment to achieve completely independent production and manufacturing capabilities.



专业的品质检测设施保障 Professional quality testing facilities guarantee

已完成专业的加工产品，通过公司内部检测中心专业完成。

Professional processing products have been completed, which are professionally completed by the company's internal testing center.



前瞻性的专利、标准 Forward-looking patents, standards

已获得27项专利授权，参与起草和制定多项注塑机相关行业标准。

Obtained 27 patents and participated in drafting and customizing a number of industry standards related to injection molding machines.



专利证书

THE PATENT CERTIFICATE



CORE COMPETITIVENESS 核心竞争力



机型齐全 Complete models

公司投入大量资金持续设计和开发U-TS系列98-3400吨28个机型，铸件木模一次性开发，形成模块系列化，满足各种个性化需求，性价比高。

Sonly has invested amount of money in the continuous design and development of 28 models of U-TS series of 98-3400 tons, and the one-time development of casting wood molds to form a series of modules to meet various individual needs and cost-effective.



重复精度高 High repeatability

专注研发塑机20多年的实战经验，采用伺服系统，平稳快速、高效节能、低噪音、重复精度高。

With more than 20 years of practical experience in research and development of plastic machines, using servo system, which is stable and fast, high efficiency and energy saving, low noise, high repeatability.



服务便捷 Convenient service

全国40多个代理经销网点，22个服务网点，重点区域自建备件库，原厂服务，保障配件供应程度高。

There are more than 40 agency distribution outlets in China, 22 service outlets, self-built spare parts warehouses in key areas, and original factory services, ensuring a high degree of spare parts supply.

SEIKO QUALITY、DETECTION ASSURANCE 精工品质、检测保障



匠心制造 · 智塑未来



首力至成立以来专注注塑机，贴近客户的各种个性化需求，精心打造了从98-3400吨28个成熟机型，经市场考验，成为客户理想选择。

Sonly is focus on injection molding machine since it is established, according to various individual needs of clients, SONLY elaborately creates 28 machine models from 98 to 3400 tons, finally they become the ideal choice in the market.



首力注塑机螺杆长径比大，塑化能力强，成型周期短，超高的塑化能力为整机运行效率高提供了保障；
Sonly injection molding machine has large screw L/D ratio, fast plasticizing speed, short cycle time and strong plasticizing capacity, to guarantee the whole machine works with high efficiency.



首力自主研发的全新全连体结构，稳定可靠的伺服系统和零部件质量，为整机的性能稳定和重复精度高提供了保证。

SONLY creates new siamesed structure, stable and reliable servo system and high quality components, which to insure machine performance stability and accuracy.



采用高品质的节能伺服系统，转动起速快，能耗更低。整套油路多重优化，包括降低运动阻力及能量损耗，确保了整机能耗低。功能稳定、操作便捷、自动监测。

SONLY injection molding machine adopts high quality servo motor system to lower power consumption. Multiple optimized oil circuit reduce the movement resistance and power consumption also. The whole machine works with stable function, convenient operation and automatic monitoring.

TS型注塑机



合模装置

Clamping device



- 1、全新连体双曲肘五支点锁模机构,经过手工与软件详细测算,运行曲线更加平稳,开合模平稳更快,使用寿命更长
- 2、全新连体模板经过有限元软件分析,结构合理、维修方便、刚性好、强度高、变形小
- 3、电子尺附装于十字头,速度控制更加敏捷,有利于保护模具
- 4、润滑自动检测报警功能,可以有效的保证各节点润滑到位。
- 5、与同级相比,我们拥有更大的拉杆内间距、容模量及开模行程,可以加工更大的塑料制品,机器的性价比高
- 6、弓形模板,有效保护模具,尤其适用于大模板小模具的场合。

1. New siamesed hyperbolic elbow five fulcrum clamping structure, through detailed calculation by manual and software to make sure movement curve more smooth, open/close mold faster and life time longer.
2. New siamesed plate through finite element software analysis, the structure is reasonable and convenient for maintenance, meanwhile has high rigidity, strong strength and small deformation.
3. Electronic scale attached to cross, speed control is more agile and good to protect the mould.
4. Lubrication automatic detection alarm function can effectively guarantee the lubrication of all points in place.
5. Compared the same model with others, we have a bigger tie bar space, injection volume and open stroke, which means can produce bigger plastic products to get high cost performance.
6. Arched plate design can protect mold effectively. Especially when the tie bar space is big but mold is small.

精加工

Finish Machining



- 1、90%以上零件完全自主加工,有效保证加工精度
 - 2、大型加工中心、龙门铣等设备使我们完全有能力加工3400吨以下的设备
 - 3、ISO9001质量管理体系认证为企业质量筑上新台阶
 - 4、严格检验分工,使生产各个环节有效控制
- 1, more than 90% parts are completely independent processed, effectively guarantee the processing precision.
2, large-scale machining center, planomill and other big processing equipment to make us fully capable of manufacture injection machine up to 3400tons.
3, ISO9001 quality management system standard to make sure machine with good quality.
4, strict inspection by division of labor, make sure efficient control of each production like.

注射装置

The injection device



- 1、桥式射台保证注射平稳,重复精度高
 - 2、注射、保压压力闭环控制,背压精密控制
 - 3、螺杆料筒上拆式结构,更换方便
 - 4、高品质密封件有效保证压力与速度
- 1, the bridge designed injection seat ensure smooth and precise injection repetition.
2, injection and holding pressure closed-loop control, precise back pressure control.
3, the structure design of taking out screw barrel from above, easy to change.
4, high quality seals effectively guarantee the pressure and speed.

电控装置

Electronic control unit



- 1、采用伺服控制精密节能技术,可以节能70%以上
 - 2、友好的操作界面
 - 3、符合国际安全标准的电气回路设计
 - 4、采用国际著名的电气元器件
 - 5、多色报警装置,清晰显示机器状态
 - 6、操作按钮箱采用自动定位功能专利,使用更加人性化
- 1, adopt servo precise control system, more than 70% power consumption saved.
2, friendly operation interface
3, electrical circuit design complied with international safety standards
4, adopt international famous electric components
5, multicolor alarm device, clearly display machine status
6, humanized operation button box adopts patent automatic positioning function

液压装置

Hydraulic equipment



- 1、采用世界著名液压元件,有效保障系统可靠性
 - 2、最新液压系统设计,使能耗更省,反映更敏捷,使用更方便
 - 3、油温报警装置,有效控制油液温度,保护液压元件和机械密封件
 - 4、可视化油口视窗,令油路的维护更可靠简单
 - 5、油箱内部采用喷塑处理
 - 6、所有机架经过专门软件分析,使机器刚性更好,受力更合理
- 1, using the world famous hydraulic components, effectively protected system reliability
2, the latest hydraulic system design has lower power consumption and quick response, also easy to operate.
3, the oil temperature alarm device effectively control oil temperature, protect hydraulic components and mechanical seals
4, visible oil tank window makes oil circuit maintenance more reliable and simple
5, spray painted surface inside oil tank
6, all frames are analyzed by special software, the rigidity is good and force bearing type is reasonable

注塑机技术参数表

INJECTION MOLDING MACHINING MACHINE TECHNOLOGY SPECIFICATION

SONLY 首力
匠心制造·智塑未来

规格 SPECIFICATIONS		U98TS			U118TS			U140TS			U158TS			U168TS			U178TS													
国际公认型号 INTERNATIONALLY RECOGNIZED MODEL		310			400			430			550			600			900													
注射 INJECTION UNIT		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C											
注射装置 INJECTION UNIT																														
螺杆直径 SCREW DIAMETER	mm	32	35	38	35	38	40	38	40	45	40	42	45	40	45	48	45	48	55											
螺杆长径比 SCREW/L/D RATIO	L/D	24.1	22	20.3	23.9	22	20.9	23.2	22	19.6	23.1	22	20.5	24.8	22	20.6	23.5	22	19.2											
理论注射容量 THEORETICAL SHOT VOLUME	cm³	133.7	160	188.6	182.4	215	238.2	214.8	238	301.2	288.4	318	365.1	313.7	397	451.7	397.3	452	593.4											
注射压力 INJECTION PRESSURE	Mpa	232.1	194	164.6	219.3	186	167.9	199.4	180	142.2	191.8	174	151.6	191.1	151	132.7	227.6	200	152.3											
螺杆转速 SCREW SPEED	rpm	210			199			200			208			208			196													
理论注射重量(PS) THEORETICAL SHOT WEIGHT	g	122	146	172	166	196	217	195	217	274	262	289	332	285	361	411	362	411	540											
理论注射重量(PS) THEORETICAL SHOT WEIGHT	oz	4.303	5.15	6.067	5.855	6.914	7.654	6.878	7.654	9.665	9.242	10.194	11.711	10.053	12.734	14.498	12.769	14.498	19.048											
合模装置 CLAMPING UNIT																														
合模力 CLAMPING FORCE	Kn	980			1180			1400			1580			1680			1780													
移模行程 TOGGLE STROKE	mm	320			350			380			395			425			450													
拉杆内间距 SPACE BETWEEN TIE BARS	mm	365*360			380*380			420*420			430*430			467*467			485*465													
最大模厚 MAX.MOULDHEIGHT	mm	360			430			440			450			500			520													
最小模厚 MIN.MOULD HEIGHT	mm	120			140			140			140			170			180													
顶出行程 EJECTOR STROKE	mm	100			110			115			115			130			130													
顶出力 EJECTOR FORCE	Kn	38			38			38			38			38			70													
顶出子数 EJECTOR NUMBER		4+1			4+1			4+1			4+1			4+1			4+1													
模具孔直径 DIE HOLE DIAMETER	mm	125			125			125			125			125			160													
其他 OTHER																														
系统压力 SYSTEM PRESSURE	Mp	16			16			16			16			16			16													
普通电机功率 ORDINARY MOTOR POWER	Kw	9			11			13			15			15			18.5													
加热功率 HEATER POWER	Kw	10			12.7			12.7			13.2			13.2			16.3													
油箱容积 OILTANK CAPACITY	L	125			150			170			200			210			220													
机器重量(约) MACHINE WEIGHT	Ton	2.8			3.4			3.9			4.5			5			6													
外形尺寸 (L×W×H) BOUNDARY DIMENSION	m	4.34*1.24*1.85			4.74*1.3*1.85			4.8*1.35*1.85			5.1*1.35*2.02			5.4*1.4*2.03			5.6*1.43*2.1													
伺服驱动器功率 SERVO DRIVER CAPACITY	Kw	11			15			18			22			22			22													
模板正面尺寸 PLATEN DIMENSIONS(FRONTAL)																														
模板侧面尺寸 PLATEN DIMENSIONS(FLANK)																														

参数如有更新，恕不另行通知。Dimensions are subject to change without notice.

注塑机技术参数表

INJECTION MOLDING MACHINING MACHINE TECHNOLOGY SPECIFICATION

机型外观尺寸 MACHINE APPEARANCE SIZE

SONLY 首力
匠心制造·智塑未来

规格 SPECIFICATIONS		U218TS			U238TS			U265TS			U300TS											
国际公认型号 INTERNATIONALLY RECOGNIZED MODEL		1067			1094			1209			1685											
注射 INJECTION UNIT		A	B	C	A	B	C	A	B	C	A	B	C									
注射装置 INJECTION UNIT																						
螺杆直径 SCREW DIAMETER	mm	45	50	55	55	60	65	55	60	65	55	60	65									
螺杆长径比 SCREW/L D RATIO	L/D	24.4	22	20	24	22	20.3	24	22	20.3	24	22	20.5									
理论注射容量 THEORETICAL SHOT VOLUME	cm³	460	569	688	593.2	706	828.6	655.4	780	915.4	842.8	1003	1177.1									
注射压力 INJECTION PRESSURE	Mpa	227.5	184.3	152.3	184.5	155	132.1	184.5	155	132.1	199.8	167.9	143.1									
螺杆转速 SCREW SPEED	rpm	180			160			190			189											
理论注射重量(PS) THEORETICAL SHOT WEIGHT	g	419	518	627	540	642	754	596	710	833	767	913	1071									
理论注射重量(PS) THEORETICAL SHOT WEIGHT	oz	14.78	18.27	22.11	19.048	22.646	26.597	21.023	25.045	29.383	27.055	32.205	37.778									
合模装置 CLAMPING UNIT																						
合模力 CLAMPING FORCE	Kn	2180			2380			2650			3000											
移模行程 TOGGLE STROKE	mm	500			520			560			590											
拉杆内间距 SPACE BETWEEN TIE BARS	mm	510*510			530*530			585*565			610*585											
最大模厚 MAX.MOULDHEIGHT	mm	530			580			600			640											
最小模厚 MIN.MOULD HEIGHT	mm	200			200			200			200											
顶出行程 EJECTOR STROKE	mm	150			150			150			150											
顶出力 EJECTOR FORCE	Kn	70			70			70			70											
顶出干数 EJECTOR NUMBER		8+1			8+1			12+1			12+1											
模具孔直径 DIE HOLE DIAMETER	mm	160			160			160			160											
其他 OTHER																						
系统压力 SYSTEM PRESSURE	Mp	16			16			16			16											
普通电机功率 ORDINARY MOTOR POWER	Kw	18.5			22			22			30											
加热功率 HEATER POWER	Kw	16.3			24.7			24.7			24.7											
油箱容积 OILTANK CAPACITY	L	230			240			300			400											
机器重量(约) MACHINE WEIGHT	Ton	7			8			9			10											
外形尺寸 (L×W×H) BOUNDARY DIMENSION	m	6.2*1.47*2.2			6.2*1.5*2.3			6.7*1.6*2.4			6.86*1.65*2.46											
伺服驱动器功率 SERVO DRIVER CAPACITY	Kw	22			30			30			37											
模板正面尺寸 PLATEN DIMENSIONS(FRONTAL)																						
模板侧面尺寸 PLATEN DIMENSIONS(FLANK)																						

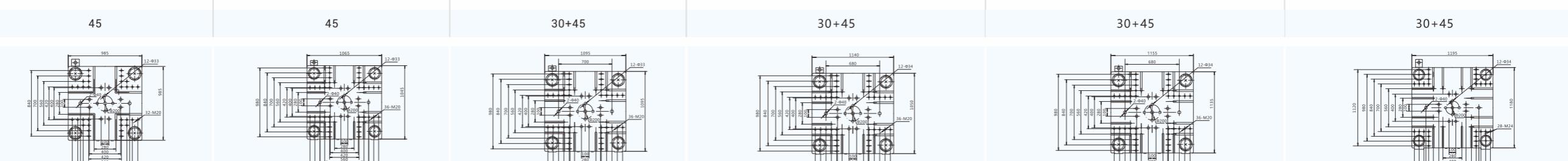
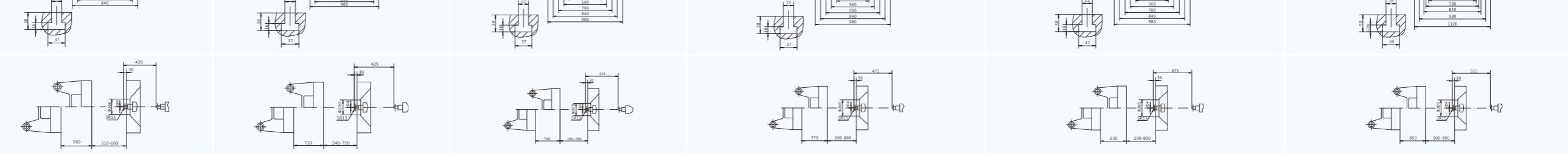
参数如有更新，恕不另行通知。 Dimensions are subject to change without notice.

型号	A	B	C	D	E	F	G	H
U98TS	4340	2300	475	255	60	1300	1825	1825
U118TS	4740	2500	510	305	60	1470	1925	1925
U140TS	4800	2700	535	355	60	1550	2050	2050
U158TS	5040	2740	590	355	60	1580	2225	2225
U168TS	5250	2900	565	370	60	1660	1100	1190
U178TS	5900	3000	595	370	60	1750	1200	1150
U218TS	6000	3270	650	405	60	1900	1330	1340
U238TS	6200	3270	650	405	60	1900	1330	1340
U265TS	6450	3430	735	390	60	2000	1510	1290
U300TS	6860	3560	735	390	60	2050	1560	1465
型号	I	J	K	L	M	N	O	P
U98TS	684	1900	3245	1530	800	840	1240	
U118TS	684	1830	3515	1530	820	860	1350	
U140TS	684	1850	3720	1630	860	900	1350	
U158TS	724	2020	3925	1650	880	920	1350	
U168TS	724	2030	4070	1720	920	960	1400	
U178TS	724	2100	4220	1740	950	990	1430	
U218TS	764	2200	4690	1840	1010	1050	1470	
U238TS	764	2300	4690	1840	1010	1050	1500	
U265TS	765	2400	4920	1920	1060	1100	1600	
U300TS	845	2460	5195	2050	1160	1210	1650	
型号	Q	R	S	T	U	V	W	X
U368TS	2460	5950	1800	2020	1000	1050	1380	1430
U400TS	2530	6455	1900	2060	1060	1110	1470	1510
U438TS	2530	6645	1900	2120	1085	1135	1470	1

注塑机技术参数表

INJECTION MOLDING MACHINING MACHINE TECHNOLOGY SPECIFICATION

SONLY 首力
匠心制造·智塑未来

规格 SPECIFICATIONS		U368TS			U400TS			U438TS			U508TS			U530TS			U610TS													
国际公认型号 INTERNATIONALLY RECOGNIZED MODEL		2140			2590			2690			3300			3300			4260													
注射 INJECTION UNIT		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C											
注射装置 INJECTION UNIT																														
螺杆直径 SCREW DIAMETER	mm	65	70	75	70	75	80	75	80	85	80	85	90	80	85	90	85	90	95											
螺杆长径比 SCREW/LD RATIO	L/D	23.7	22	20.5	23.6	22	20.6	23.5	22	20.7	23.4	22	20.8	23.4	22	20.8	23.3	22	20.8											
理论注射容量 THEORETICAL SHOT VOLUME	cm³	1177.8	1366	1568.1	1446.9	1661	1889.8	1727.1	1965	2218.3	1964.7	2218	2486.6	1964.7	2218	2486.6	2388	2678	2983											
注射压力 INJECTION PRESSURE	Mpa	181.7	156.7	136.5	179.1	156	137.1	155.9	137	121.4	168	148.8	132.7	168	148.8	132.7	178.3	159	142.7											
螺杆转速 SCREW SPEED	rpm	144			144			211.5			171			171			126													
理论注射重量(PS) THEORETICAL SHOT WEIGHT	g	1072	1243	1427	1317	1512	1720	1572	1788	2019	1788	2018	2263	1788	2018	2263	2174	2437	2715											
理论注射重量(PS) THEORETICAL SHOT WEIGHT	oz	37.814	43.846	50.336	46.456	53.334	60.671	55.451	63.07	71.218	63.07	71.183	79.825	63.07	71.183	79.825	76.686	85.963	95.769											
合模装置 CLAMPING UNIT																														
合模力 CLAMPING FORCE	Kn	3680			4000			4380			5080			5300			6100													
移模行程 TOGGLE STROKE	mm	660			710			740			775			840			850													
拉杆内间距 SPACE BETWEEN TIE BARS	mm	685*685			745*705			765*765			805*715			820*800			865*830													
最大模厚 MAX.MOULDHEIGHT	mm	660			750			780			800			800			850													
最小模厚 MIN.MOULD HEIGHT	mm	210			240			280			290			290			300													
顶出行程 EJECTOR STROKE	mm	170			170			170			225			225			225													
顶出力 EJECTOR FORCE	Kn	90			90			90			152			152			152													
顶出子数 EJECTOR NUMBER		12+1			12+1			12+1			12+1			12+1			12+1													
模具孔直径 DIE HOLE DIAMETER	mm	160			200			200			200			200			200													
其他 OTHER																														
系统压力 SYSTEM PRESSURE	Mp	16			16			16			16			16			16													
普通电机功率 ORDINARY MOTOR POWER	Kw	37			37			45			45			45			55													
加热功率 HEATER POWER	Kw	27.9			33.6			33.6			38.3			38.3			42													
油箱容积 OILTANK CAPACITY	L	600			700			750			900			900			1000													
机器重量(约) MACHINE WEIGHT	Ton	13			16			18			20			20			25													
外形尺寸 (L×W×H) BOUNDARY DIMENSION	m	7*2*2.46			7.44*2.1*2.53			8*2.1*2.53			8.6*2.3*3			8.6*2.3*3			9*2.3*3.1													
伺服驱动器功率 SERVO DRIVER CAPACITY	Kw	45			45			30+45			30+45			30+45			30+45													
模板正面尺寸 PLATEN DIMENSIONS(FRONTAL)																														
模板侧面尺寸 PLATEN DIMENSIONS(FLANK)																														

参数如有更新，恕不另行通知。Dimensions are subject to change without notice.

注塑机技术参数表

INJECTION MOLDING MACHINERY TECHNOLOGY SPECIFICATION

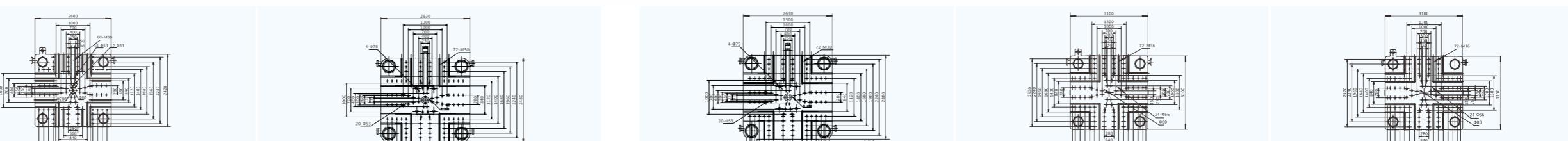
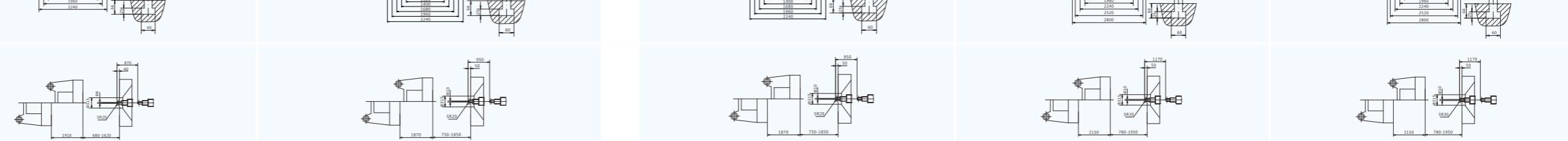
SONLY 首力
匠心制造·智塑未来

规格 SPECIFICATIONS		U680TS				U780TS				U1080TS				U1400TS				U1680TS				U1900TS			
国际公认型号 INTERNATIONALLY RECOGNIZED MODEL		4958				6716				8924				11573				14366				18448			
注射 INJECTION UNIT		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
注射装置 INJECTION UNIT																									
螺杆直径 SCREW DIAMETER	mm	90	95	100	110	90	100	110	120	100	110	120	130	110	120	130	140	120	130	140	150	130	140	150	160
螺杆长径比 SCREW/L.D RATIO	L/D	23.2	22	20.9	19	24.4	22	20	18.3	24.2	22	20.2	18.6	24	22	20.3	18.9	23.8	22	20.4	19.1	23.7	22	20.5	19.3
理论注射容量 THEORETICAL SHOT VOLUME	cm³	2816	3138	3477	4207	2956	3650	4416	5256	4238	5129	6103	7163	5654	6729	7897	9158	7476	8760	10159	11662	11281.6	13084	15019.9	17089.3
注射压力 INJECTION PRESSURE	Mpa	176	158	142.6	117.8	227.2	184	152.21	127.8	210.5	174	146.2	124.6	204.7	172	146.6	126.4	192.5	164	141.4	123.2	163.5	141	122.8	108
螺杆转速 SCREW SPEED	rpm	105				91				96				96				90				88			
理论注射重量(PS) THEORETICAL SHOT WEIGHT	g	2562	2855	3164	3828	2689	3321	40181	4782	3856	4667	5553	6518	5145	6123	7186	8335	6792	7972	9245	10613	10266	11906	13668	15551
理论注射重量(PS) THEORETICAL SHOT WEIGHT	oz	90.407	100.734	111.607	135.064	94.887	117.18	141.766	168.715	136.052	164.624	195.947	229.951	181.485	215.98	253.4	294	239.581	281.204	326.108	374.363	362.123	419.972	482.125	548.546
合模装置 CLAMPING UNIT																									
合模力 CLAMPING FORCE	Kn	6800				7800				10800				14000				16800				19000			
移模行程 TOGGLE STROKE	mm	930				1000				1220				1400				1600				1950			
拉杆内间距 SPACE BETWEEN TIE BARS	mm	915*915				985*985				1160*1160				1350*1300				1555*1430				1720*1520			
最大模厚 MAX.MOULDHEIGHT	mm	900				1000				1250				1300				1500				1500			
最小模厚 MIN.MOULD HEIGHT	mm	320				350				480				530				380				680			
顶出行程 EJECTOR STROKE	mm	265				265				350				350				400				400			
顶出力 EJECTOR FORCE	Kn	212				212				246				246				363				363			
顶出干数 EJECTOR NUMBER		16+1				20+1				20+1				20+1				28+1				28+1			
模具孔直径 DIE HOLE DIAMETER	mm	200				250				250				250				315				315			
其他 OTHER																									
系统压力 SYSTEM PRESSURE	Mp	16				16				16				16				16				16			
普通电机功率 ORDINARY MOTOR POWER	Kw	30+37				37+37				45+45				55+55				45+45+45				45+55+55			
加热功率 HEATER POWER	Kw	60				70				90				97				118				118			
油箱容积 OILTANK CAPACITY	L	1200				1400				1700				2200				2000				2000			
机器重量(约) MACHINE WEIGHT	Ton	8+25				10+30				13+41				18											

注塑机技术参数表

INJECTION MOLDING MACHINING MACHINE TECHNOLOGY SPECIFICATION

SONLY 首力
匠心制造·智塑未来

规格 SPECIFICATIONS					U2400TS		U2600TS		U2800TS				U3400TS		U3400TS						
国际公认型号 INTERNATIONALLY RECOGNIZED MODEL					19593		48105		59392				63000 I		78400 II						
注射 INJECTION UNIT		A	B	C	D	A		A	B	C	D	A		A							
注射装置 INJECTION UNIT																					
螺杆直径 SCREW DIAMETER	mm	130	140	150	160		170	170	185	200	210		220		240						
螺杆长径比 SCREW/LD RATIO	L/D	23.7	22	20.5	19.3		23.9	23.9	22	20.4	19.4		22		22						
理论注射容量 THEORETICAL SHOT VOLUME	cm ³	9949.4	11539	13246.3	15071.3		26102	32231.2	38170	44610.7	49183.3		45000		56000						
注射压力 INJECTION PRESSURE	Mpa	196.9	169.8	147.9	130		184.3	184.3	155.6	133.1	120.8		140		140						
螺杆转速 SCREW SPEED	rpm		60				70		70				45		45						
理论注射重量(PS) THEORETICAL SHOT WEIGHT	g	9054	10500	12054	13715		23753	29330	34735	40596	44757		40950		50960						
理论注射重量(PS) THEORETICAL SHOT WEIGHT	oz	319.371	370.377	425.193	483.783		837.863	1034.586	1225.242	1431.983	1578.758		1444.47		1797.563						
合模装置 CLAMPING UNIT																					
合模力 CLAMPING FORCE	Kn	24000				26000		28000					34000		34000						
移模行程 TOGGLE STROKE	mm	1910				1870		1870					2020		2020						
拉杆内间距 SPACE BETWEEN TIE BARS	mm	1800*1620				1860*1710		1900*1800					2160*1900		2160*1900						
最大模厚 MAX.MOULDHEIGHT	mm	1700				1850		1850					1950		1950						
最小模厚 MIN.MOULD HEIGHT	mm	700				750		750					780		780						
顶出行程 EJECTOR STROKE	mm	500				500		500					520		520						
顶出力 EJECTOR FORCE	Kn	490				565		565					830		830						
顶出干数 EJECTOR NUMBER		28+1				32+1		32+1					32+1		32+1						
模具孔直径 DIE HOLE DIAMETER	mm	837.863				315		315					315		315						
其他 OTHER																					
系统压力 SYSTEM PRESSURE	Mp	16				16		16					16		16						
普通电机功率 ORDINARY MOTOR POWER	Kw	45+55+55				220		220					55+55+55+55+55		55+55+55+55+55						
加热功率 HEATER POWER	Kw	140				180		180					220		220						
油箱容积 OILTANK CAPACITY	L	3000				3800		3800					5200		5200						
机器重量(约) MACHINE WEIGHT	Ton	26+130				43+133		43+150					230		230						
外形尺寸 (L×W×H) BOUNDARY DIMENSION	m	8*3.1*4.1 13*4.1*3.5				9.5*3.3*4.2 13.4.3*3.55		9.5*3.3*4.2 13*4.4*3.7					10.5*3.6*5.0 17*5.2*4.2		12*3.6*5.0 17*5.2*5.2						
伺服驱动器功率 SERVO DRIVER CAPACITY	Kw	55*4				55*4		55*4					55*6		55*6						
模板正面尺寸 PLATEN DIMENSIONS(FRONTAL)																					
模板侧面尺寸 PLATEN DIMENSIONS(FLANK)																					

参数如有更新，恕不另行通知。 Dimensions are subject to change without notice.

标准配置 Standard Features

● 射胶/熔胶部分

数控比例背压 (U680TS以上)
射嘴防滑罩 (可带电器保护)
自动清料功能
熔胶前后射退可选
多段料筒PID温控(4至7段)
射胶、熔胶故障自动检测
注射速度、压力、位置6段设定
保压速度、压力、时间5段设定
储料速度、压力、位置3段设定
防止螺杆冷启动功能
大扭矩油马达预塑
料筒温度闭环控制
喷嘴对中调节装置
螺杆测速装置

● Injection Unit

Electronic back pressure control (above U680TS)
Nozzle cover (limit switch is optional)
Automatic material cleaning function
Injection seat back before/after plasticizing available
Multi-stage barrel PID temperature control (4-7 stages)
Injection/plasticizing failure auto detection
6-stage injection speed/pressure/position control
5-stage holding pressure speed/pressure/position control
3-stage material charging speed/pressure/position control
Screw protecting function to prevent movement before heating well
High torque oil motor
Barrel temperature closed loop control
Nozzle centering adjusting device
Screw speed detection device

● 锁模部分

机械安全机构
多段开合模压力速度位置控制
快速差动合模系统
自动调模功能
低压模保功能
电脑控制两段顶出前进后退动作
多种顶针控制功能可选
液压驱动齿轮调模装置
欧规T形槽结构
自动安全门 (U680TS以上)
机械电气双重保护装置

● Clamping part

Mechanical safety structure
Multi-stage speed, pressure and position control for mold open/close
Fast differential mold clamping system
Automatic mold adjusting function
Low pressure mold protecting function
2-stage ejector forward/backward movement control in PLC
Different kinds of ejector control function
Hydraulic drive gear mold height adjusting device
T-slot platen design
Automatic safety door (above U680TS)
Mechanical and electrical safety protection devices

● 液压系统

吸油过滤系统
液压安全保护 (U680TS以上)
系统压力流量自动校正

● Hydraulic System

Oil filter system
Hydraulic safety protection (above U680TS)
Automatic system pressure and flow adjustment

● 控制系统

工模吹风
输入输出检视功能
自动保温及自动加热设定功能
射胶转保压采用时间/位置/时间+位置控制
动作斜率的独立调整
工艺参数锁定功能
多种操作语言

● Electrical System

Blow air valves
Input/output view function
Automatic temperature keeping and heating setting function
Adopts time/position/time with position control for injection to pressure holding
Independent adjustment of the action slope
Molding data locking function
Multi-language options in PLC

备选配置 Optional Features

● 射胶/熔胶部分

加长射嘴
镀硬铬螺杆组件
双金属螺杆组件
专用螺杆组件
干燥料斗
料筒吹风装置
弹簧自锁射嘴
加大注射行程

● Injection Unit

Extra long nozzle (50/100/150 mm longer)
Hard chrome plating screw
Bimetallic screw
Special designed screw
Hopper dryer
Barrel blowing device
Spring self-locking nozzle
Extended injection stroke

● 锁模部分

加大容模量
加大顶针行程
开模机械限位装置
吊模架
加装模具隔热板
特殊模具安装孔

● Clamping part

Increased injection volume
Extended ejector stroke
Molding opening mechanical limit switch
Mold lifter
Install mold insulation plate
Special designed mould mounting holes

● 液压系统

液压抽芯/旋转脱膜装置
独立油温控制系统
高响应伺服注射系统
高响应伺服开合模系统
同步顶出装置
加大油冷却器
加大一级油泵电机
氮气射胶装置
旁过滤器

● Hydraulic System

Hydraulic core-pulling/rotating demoulding device
Independent oil temperature control system
High response servo injection system
High response servo mold open/close system
Ejecting during mold opening
Enlarged oil cooler
Enlarged oil pump and motor
Nitrogen accumulator injection device
By-pass oil filter

● 控制系统

电动旋转脱模装置
热流道接口
气辅注射装置
单色或多色警示灯
单相/三相单元插座
辅助急停开关
更改电源电压

● Electronic System

Electronic rotating demoulding device
Hot runner interface
Air-assisted injection device
Single/multi-color warming light
Single-phase/three-phase plug socket
Auxiliary urgent stop switch
Change machine power supply voltage

● 其他配置

● Other Equipment



THE SALES NETWORK 销售网络

首力的产品已经覆盖全国大部分省市，其中包括：北京、天津、沈阳、威海、临沂、常州、苏州、上海、长沙、合肥、新疆、成都、重庆、武汉、南昌、萧山、慈溪、余姚、温州、台州、苍南、瑞安、泉州、广州、深圳、汕头、佛山、东莞等等。

首力秉承“诚信第一，用户至上”的市场方针，遵循塑机产业特征，借鉴国际先进的营销模式，创建了真正面向市场、以品牌和产品为主导的营销体系。公司致力于产品的开发更新，为提供更稳定，更精密的塑胶机械，公司在不断的研发改良，并积极通过与国内外制造商合作，技术交流等，以提高自身的技术实力，无论从研发、设计、材料的选择、加工的精度、零部件的装配、产品的出厂，都经过公司严格的检验，所有客户资料电脑建档，定期联络跟踪，随时提供最好的服务。

目前生产的机种为U系列，U-TS系列。生产锁模力从980KN到34000KN，注射量从45克至50000克的全自动注塑成型机。凭着多年生产经验和塑胶领域的研究，首力系列注射机为塑胶制品的客户带来无限的商机，为你的公司创造辉煌的业绩。若有任何咨询，请随时致电或者来函联系。

Sonly's products have covered most of the countries in the world, including Asia, Middle East, Europe, Africa, South Africa, America and South America etc.

Sonly adhering to the "integrity first, customer first" market policy, follow the characteristics of the plastic machinery industry, learn from advanced international marketing model, to create a truly market-oriented, brand and product-oriented marketing system. The company is committed to product development update, in order to provide a more stable, more sophisticated plastic machinery, constant research and improvement, and actively cooperate with domestic and foreign manufacturers, technology exchange, in order to improve own technical strength, both from R & D, design, choice of materials, precision of machining, the assembly of parts of products manufactured through a rigorous inspection of the company, a computer database of all customer data, regular contact tracking, to provide the best service at any time.

The current products models of the "U" Series, "U-TS" series. clamping force from 980KN to the 34000KN, the injection volume from 45-50000 g automatic injection molding machine. With years of production experience and research in the field of plastic, the Sonly Series injection machine for plastic products customers tremendous opportunities for your company to create a brilliant performance. If you have any inquiries, please feel free to call or communication link.

APPLICATION FIELD 产品领域

油电混合机
OIL AND ELECTRIC MIXER



首力注塑机产品具有20多年的生产制造经验，客户遍及国内20多个省市和海外十几个国家与地区，广泛应用于通讯、电子、电器、汽车、农业、医疗、国防等各个领域，制造与服务经验均领先于行业。

