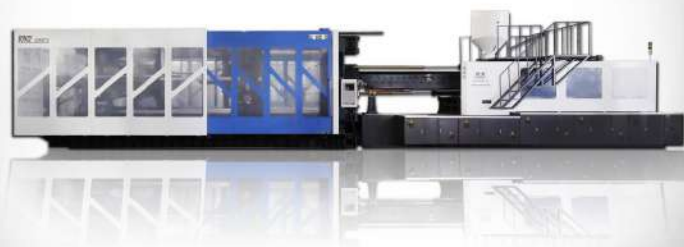


☎ 0574-63990187  
0574-63990188



样本仅为宣传资料，若存在差异，以实物为准。  
The sample is done for the propaganda materials, if there are differences, subject to material object.

**SONLY** 首力



工信部工业机械示范品牌

**首力 U-TS系列伺服节能注塑机**  
**SONLY** U98-3400TS  
[www.gosonly.com](http://www.gosonly.com)

**浙江首力智能装备有限公司**  
ZHEJIANG SONLY INTELLIGENT EQUIPMENT CO.,LTD

地址 (Add) : 慈溪滨海经济开发区潮生北路399号  
传真 (Fax) : 0574-63990187 邮编 (Zip) : 315311  
<http://www.gosonly.com> <http://www.ouyilai.com>  
E-mail : sales@ouyilai.com

2017.11版

**浙江首力智能装备有限公司**  
ZHEJIANG SONLY INTELLIGENT EQUIPMENT CO.,LTD

中国·宁波



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6万平方米现代化生产基地，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50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 machines". 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 50 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

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



### 专业化的制造优势

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



### 良好的供应链技术支持

已与国内外知名企业建立了长期稳定、可靠的配套和技术支持战略合作关系。



### 完善的自主生产能力

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。



### 专业的品质检测设施保障

已完成专业的加工产品，通过公司内部检测中心专业完成。



### 前瞻性的专利、标准

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。



## 专利证书

THE PATENT CERTIFICATE



## CORE COMPETITIVENESS 核心竞争力



### 机型齐全

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，性价比真。



### 重复精度高

专注研发塑机19年的实战经验，独特弧形模板、全连体结构、伺服技术，平稳快速、高效节能、低噪音、重复精度高。



### 服务便捷

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。

## SEIKO QUALITY 精工品质



### 匠心制造·智塑未来



首力自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。

Since its inception, the first force has focused on injection molding machine, close to the customer's various personalized demands, carefully crafted from 98-3,400 tons of 28 time-tested classics. The classic servo model is the ideal choice for customers.



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提供了保障；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提供了保障；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提供了保障。

SONLY injection molding machine has a large diameter ratio, faster plasticization speed, short drying cycle, and ultra-high plasticizer capacity provide guarantee for the high efficiency of the whole machine.



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。

The new full-body structure developed by the Sonly, stable and reliable servo system and parts quality, is provided for the performance stability and repeatability of the whole machine. The guarantee.



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，确保了整机低耗。功能稳定，操作便捷，自动监测。

The high quality energy saving servo system is adopted, and the energy consumption is lower. Multiple optimization of the whole oil circuit, including reducing the movement resistance and energy loss, ensure the energy consumption of the whole machine is low. Stable function, convenient operation and automatic monitoring.

# TS型注塑机

**SONLY 首力**  
匠心制造 智塑未来



1. 全新连体双肘五支点锁模机构，经过手工与软件详细测算，运行曲线更加平滑，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，速度控制更加精准，有利于保护模具
4. 润滑油自动检测报警功能，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 conjoined hyperbolic elbow five fulcrum clamping mechanism, after a detailed calculation, manual and software running curve is more stable, smooth process is faster, and longer service life
2. New conjoined template through finite element analysis software, reasonable structure, convenient maintenance, good rigidity, high strength, small deformation
3. Electronic scale attached to cross, speed control is more agile, it is conducive to protect the mould
4. Lubrication automatic detection alarm function, can effectively guarantee the lubrication of all nodes in place
5. Compared with the same, we have a bigger bar spacing, molar volume and open mold, processing more plastic products, the high-cost performance of the machine
6. Arched plate can protect mold effectively. Especially, in the mold is much small than plate situation.

## 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再上新台阶
  4. 严格检验分工，使生产各个环节有效控制
1. more than 90% parts completely independent processing effectively guarantee the processing precision
2. large-scale machining center gantry milling and other equipment to make us fully capable of processing 3400 tons of the following equipment
  3. ISO9001 quality management system certification, quality for the enterprise to build on a new level
  4. strict inspection division of labor, make the production each link control

## 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 beam injection ensure smooth, high repeat precision
2. injection and holding pressure closed-loop control, precision back pressure control
  3. the structure of the screw on the cylinder demountable type, 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. using energy-saving technology servo control precision, can energy saving more than 70%
2. friendly operation interface
  3. comply with international safety standards of electrical circuit design
  4. adopt international famous electric components
  5. multicolor alarm device, clear display machine status
  6. patent operation button box adopts automatic positioning function, use more human

## 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，使能耗更低，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. 油箱内部采用吸塑处理
  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, the effective protection system reliability
2. the latest hydraulic system design, make energy consumption province, reflect a more agile, it is more convenient to use
  3. the oil temperature alarm device, effectively control the oil temperature, hydraulic components and mechanical seals
  4. visual oil window, make the oil more reliable and simple maintenance
  5. internal adopts suction processing tank
  6. All frame specially analysis software, the machine better rigidity, bearing more reasonable

# 注塑机技术参数表

INJECTION MOLDING MACHINE TECHNOLOGY SPECIFICATION

**SONLY 首力**  
匠心制造 智慧未来

规格 SPECIFICATIONS 国际公认型号 INTERNATIONALLY RECOGNIZED MODEL	U98TS			U118TS			U140TS			U158TS			U168TS			U178TS			
	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	
<b>注射装置 INJECTION UNIT</b>																			
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 SHOT VOLUME	cm <sup>3</sup>	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		208		208		196		196
理论注射量(p.s) SHOT WEIGHT	g	122	146	172	166	196	217	195	217	274	262	289	332	285	361	411	362	411	540
理论注射量(p.s) 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
<b>合模装置 CLAMPING UNIT</b>																			
合模力 CLAMPING FORCE	Kn		980			1180			1400			1580			1680			1780	
移模行程 TUGGLE 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.MOULD HEIGHT	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	
顶出杆数 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	
<b>其他 OTHER</b>																			
系统压力 SYSTEM PRESSURE	Mpa		16			16			16			16			16			16	
电机功率 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 OIL TANK CAPACITY	L		125			150			170			200			210			220	
机器重量(t) 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*1.9			4.74*1.35*1.83			4.8*1.35*1.85			5.04*1.35*2.02			5.25*1.4*2.03			5.9*1.43*2.1	
伺服驱动器功率 SERVO DRIVER CAPACITY	Kw		11			15			18			22			22			22	
模座正面尺寸 PLATEN DIMENSIONS (FRONTAL)																			
模座侧面尺寸 PLATEN DIMENSIONS (FLANK)																			

数据如有更改，恕不另行通知。 Dimensions are subject to change without notice.

# 注塑机技术参数表

INJECTION MOLDING MACHING MACHINE TECHNOLOGY SPECIFICATION

**SONLY 首力**  
匠心制造 智慧未来

规格 SPECIFICATIONS 国际公认型号 INTERNATIONALLY RECOGNIZED MODEL	U218TS			U238TS			U265TS			U300TS		
注射 INJECTION UNIT	1067			1094			1209			1685		
注射单元 INJECTION UNIT	A	B	C	A	B	C	A	B	C	A	B	C
螺杆直径 SCREW DIAMETER	45	50	55	55	60	65	55	60	65	55	60	65
螺杆长径比 SCREW L/D RATIO	24.4	22	20	24	22	20.3	24	22	20.3	24	22	20.5
理论注射容量 SHOT VOLUME	460	569	688	593.2	705	828.6	655.4	780	915.4	842.8	1003	1177.1
注射压力 INJECTION PRESSURE	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	180			160			190			189		
理论注射量 (ps) SHOT WEIGHT	419	518	627	540	642	754	596	710	833	767	913	1071
理论注射量 (ps) SHOT WEIGHT	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	2180			2380			2650			3000		
移模行程 TONGUE STROKE	500			520			560			590		
拉杆内间距 SPACE BETWEEN THE BARS	510*510			530*530			585*585			610*585		
最大模高 MAX.MOULD HEIGHT	530			580			600			640		
最小模高 MIN.MOULD HEIGHT	200			200			200			200		
顶出行程 EJECTOR STROKE	150			150			150			150		
顶出力 EJECTOR FORCE	70			70			70			70		
顶出杆数 EJECTOR NUMBER	8*1			8*1			12*1			12*1		
模具孔直径 DIE HOLE DIAMETER	160			160			160			160		
其他 OTHER												
系统压力 SYSTEM PRESSURE	16			16			16			16		
电机功率 MOTOR POWER	18.5			22			22			30		
加热功率 HEATER POWER	16.3			24.7			24.7			24.7		
油箱容积 OIL TANK CAPACITY	L 230			240			300			400		
机器重量 (吨) MACHINE WEIGHT	7			8			9			10		
外形尺寸 (L*W*H) BOUNDARY DIMENSION	6*1.47*2.2			6.2*1.5*2.3			6.45*1.6*2.4			6.86*1.65*2.46		
伺服驱动功率 SERVO DRIVE CAPACITY	22			30			30			45		
模架正面尺寸 PLATEN DIMENSIONS (FRONTAL)												
模架侧面尺寸 PLATEN DIMENSIONS (FLANK)												

参数如有更改, 恕不另行通知。 Dimensions are subject to

型号	A	B	C	D	E	F	G	H
U98TS	4340	2300	475	755	60	1300	1825	1825
U118TS	4740	2500	530	805	60	1470	1925	1925
U140TS	4800	2700	535	855	60	1550	2050	2050
U158TS	5040	2740	590	855	60	1580	2225	2225
U168TS	5250	2900	565	870	60	1660	1100	1190
U178TS	5900	3000	595	870	60	1750	1200	1150
U218TS	6000	3270	630	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	
U98TS	684	1900	3245	1530	800	940	1240	
U118TS	684	1830	3515	1530	820	880	1350	
U140TS	684	1850	3720	1630	860	900	1350	
U158TS	724	2020	3925	1650	880	920	1350	
U168TS	724	2030	4070	1720	920	980	1400	
U178TS	724	2100	4220	1740	950	950	1450	
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	A	B	C	D	E	F	G	H
U368TS	8900	3520	70	400	60	200	1340	1340
U400TS	7440	3900	70	510	60	200	775	775
U438TS	7530	3875	70	510	60	200	800	800
U508TS	7800	4135	75	520	60	220	720	1000
U530TS	7800	4135	75	520	60	220	720	1000
U590TS	8850	4575	80	630	60	220	690	630
型号	I	J	K	L	M	N	O	P
U368TS	1250	1250	165	2675	2675	200	60	840
U400TS	775	1195	300	1365	1525	200	60	840
U438TS	800	1225	300	1455	1545	200	60	870
U508TS	1000	1245	300	1530	1730	220	60	880
U530TS	1000	1245	300	1530	1730	220	60	880
U590TS	6901	300	300	1640	1825	220	60	910
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	1510
U508TS	2700	7085	2300	2290	1130	1180	1590	1640
U530TS	2700	7085	2300	2290	1130	1180	1590	1640
U590TS	2900	7655	2300	2400	1180	1230	1710	1760



# 注塑机技术参数表

INJECTION MOLDING MACHINE TECHNOLOGY SPECIFICATION

**SONLY 首力**  
匠心制造 智慧未来

规格 SPECIFICATIONS 国际公认型号 INTERNATIONALLY RECOGNIZED MODEL	U368TS			U400TS			U438TS			U508TS			U530TS I			U530TS II			U590TS			
注射 INJECTION UNIT	2140			2590			2690			3300			3300			3300			4260			
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
<b>注射装置 INJECTION UNIT</b>																						
螺杆直径 SCREW DIAMETER	mm	65	70	75	70	75	80	75	80	85	80	85	90	80	85	90	80	85	90	85	90	95
螺杆长径比 SCREW L/D 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	23.4	22	20.8	23.3	22	20.8
理论注射容量 SHOT VOLUME	cm <sup>3</sup>	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	1964.7	2218	2486.6	2388	2678	2981
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	168	148.8	132.7	178.3	159	142.7
螺杆转速 SCREW SPEED	rpm		144		144			194			152			152			152			126		
理论注射量(p.s) SHOT WEIGHT	g	1072	1243	1427	1317	1512	1720	1572	1788	2019	1788	2018	2263	1788	2018	2263	1788	2018	2263	2174	2437	2715
理论注射量(p.s) 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	63.07	71.183	79.825	76.686	85.963	95.769
<b>合模装置 CLAMPING UNIT</b>																						
合模力 CLAMPING FORCE	Kn	3680			4000			4380			5080			5300			5300			5900		
移模行程 TONGUE STROKE	mm	660			710			740			775			775			830			850		
拉杆内间距 SPACE BETWEEN THE BARS	mm	685*685			745*705			765*765			805*715			820*800			820*800			845*830		
最大模厚 MAX.MOULD HEIGHT	mm	660			750			780			800			800			800			850		
最小模厚 MIN.MOULD HEIGHT	mm	210			240			280			290			290			290			300		
顶出行程 EJECTOR STROKE	mm	170			170			170			225			225			225			225		
顶出力 EJECTOR FORCE	Kn	90			90			90			152			152			152			152		
顶出杆数 EJECTOR NUMBER		12*1			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			200		
<b>其他 OTHER</b>																						
系统压力 SYSTEM PRESSURE	Mpa	16			16			16			16			16			16			16		
电机功率 MOTOR POWER	Kw	37			37			45			45			45			45			55		
加热功率 HEATING POWER	Kw	27.9			33.6			33.6			38.3			38.3			38.3			42		
油箱容积 OIL TANK CAPACITY	L	600			700			750			900			900			900			1000		
机重量(t) MACHINE WEIGHT	Ton	13			16			18			20			20			20			25		
外形尺寸 (L*W*H) BOUNDARY DIMENSION	m	6.9*1.8*2.46			7.44*1.9*2.53			7.55*1.9*2.53			7.8*2.3*2.7			7.8*2.3*2.7			7.8*2.3*2.7			8.85*2.3*2.9		
伺服驱动器功率 SERVO DRIVER CAPACITY	Kw	45			45			22+45			22+45			22+45			22+45			22+55		
模座正面尺寸 PLATEN DIMENSIONS (FRONTAL)																						
模座侧面尺寸 PLATEN DIMENSIONS (FLANK)																						

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



# 注塑机技术参数表

INJECTION MOLDING MACHING MACHINE TECHNOLOGY SPECIFICATION

**SONLY 首力**  
匠心制造 智慧未来

规格 SPECIFICATIONS 国际公认型号 INTERNATIONALLY RECOGNIZED MODEL	U680TS				U780TS				U1080TS				U1280TS				U1400TS				U1680TS				
	4958				6716				8924				11526				11573				14366				
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	
<b>注射装置 INJECTION UNIT</b>																									
螺杆直径 SCREW DIAMETER	mm	90	95	100	110	90	100	110	120	100	110	120	130	110				110	120	130	140	120	130	140	150
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				24	22	20.3	18.9	23.8	22	20.4	19.1
理论注射容量 SHOT VOLUME	cm <sup>3</sup>	2816	3138	3477	4207	2956	3650	4416	5256	4238	5129	6103	7163	5654				5654	6729	7897	9158	7464	8760	10159	11662
注射压力 INJECTION PRESSURE	Mpa	176	158	142.6	117.8	227.2	184	152.1	127.8	210.5	174	146.2	124.6	204.7				204.7	172	146.6	126.4	192.5	164	141.4	123.2
螺杆转速 SCREW SPEED	rpm	105				91				96				96				90							
理论注射量 (PS) SHOT WEIGHT	g	2562	2855	3164	3828	2689	3321	4018	4782	3856	4667	5551	6518	5145				5145	6123	7186	8335	6792	7972	9245	10613
理论注射量 (PS) 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				181.485	215.98	253.4	294	239.581	281.204	326.108	374.363
<b>合模装置 CLAMPING UNIT</b>																									
合模力 CLAMPING FORCE	Kn	6800				7800				10800				12800				14000				16800			
移模行程 TONGUE STROKE	mm	930				1000				1220				1400				1400				1600			
拉杆内间距 SPACE BETWEEN THE BARS	mm	915*915				985*985				1160*1160				1260*1260				1350*1300				1555*1410			
最大模厚 MAX.MOULD HEIGHT	mm	900				1000				1250				1300				1300				1500			
最小模厚 MIN.MOULD HEIGHT	mm	320				350				480				530				530				680			
顶出行程 EJECTOR STROKE	mm	265				265				350				350				350				400			
顶出力 EJECTOR FORCE	Kn	212				212				246				246				246				363			
顶出杆数 EJECTOR NUMBER		16+1				20+1				20+1				20+1				20+1				28+1			
模具孔直径 DIE MOLD DIAMETER	mm	200				250				250				250				250				315			
<b>其他 OTHER</b>																									
系统压力 SYSTEM PRESSURE	Mpa	16				16				16				16				16				16			
电机功率 MOTOR POWER	Kw	30+37				37+37				45+45				110				55+55				45+45+45			
加热功率 HEATER POWER	Kw	60				70				90				97				97				118			
油箱容积 OIL TANK CAPACITY	L	1200				1400				1700				2200				2200				2000			
机器重量 (吨) MACHINE WEIGHT	Ton	8+25				10+30				13+41				18+56				18+47				19+86			
外形尺寸 (L*W*H) BOUNDARY DIMENSION	m	5'2.1*3.1 6'2.5*2.5				5'2.2*3.1 6.8'2.75*2.6				5.4'2.4*3.1 7.2'2.9*2.8				6.5'2.6*3.2 7.5'3.1*2.8				6.5'2.6*3.2 7.5'3.1*2.8				7'2.6*3.4 10.3'3.5*3.5			
伺服驱动器功率 SERVO DRIVER CAPACITY	Kw	37+45				45+45				37+37+37				30+45+45				30+45+45				37+37+45+45			
模框正面尺寸 PLATEN DIMENSIONS (FRONTAL)																									
模框侧面尺寸 PLATEN DIMENSIONS (FLANK)																									

参数如有更改，恕不另行通知。 Dimensions are subject to

# 注塑机技术参数表

INJECTION MOLDING MACHING MACHINE TECHNOLOGY SPECIFICATION

**SONLY 首力**  
匠心制造 智慧未来

规格 SPECIFICATIONS 国际公认型号 INTERNATIONALLY RECOGNIZED MODEL	U1850TS				U2400TS				U2600TS		U2800TS				U3400TS	U3400TS	
	14366								19593		48105		59392				630001
注射 INJECTION UNIT	A	B	C	D	A	B	C	D	A	A	B	C	D	A	A		
<b>注射装置 INJECTION UNIT</b>																	
螺杆直径 SCREW DIAMETER	mm	125	135	145	155	130	140	150	160	170	170	185	200	210	220	240	
螺杆长径比 SCREW L/D RATIO	L/D	23.8	22	20.4	19.1	23.7	22	20.5	19.3	23.9	23.9	22	20.4	19.4	22	22	
理论注射容量 SHOT VOLUME	cm <sup>3</sup>	12100	13600	15600	16500	9949.4	11539	13246.3	15071.3	26102	32231.2	38170	44610.7	49183.3	45000	56000	
注射压力 INJECTION PRESSURE	Mpa	192.5	164	141.4	123.2	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	90				60				70				45		45	
理论注射质量 (p5) SHOT WEIGHT	g	6792	7972	9245	10613	9054	10500	12054	13715	23753	29330	34735	40596	44757	40950	50960	
理论注射质量 (p5) SHOT WEIGHT	oz	239.581	281.204	326.108	374.363	319.371	370.377	425.193	483.783	837.863	1034.586	1225.242	1431.983	1578.758	1444.47	1797.563	
<b>合模装置 CLAMPING UNIT</b>																	
合模力 CLAMPING FORCE	Kn	18500				24000				26000		28000				34000	34000
移模行程 TONGUE STROKE	mm	1600				1910				1870		1870				2020	2020
拉杆内间距 SPACE BETWEEN TIE BARS	mm	1655*1430				1800*1620				1860*1710		1900*1800				2160*1900	2160*1900
最大模厚 MAX.MOULD HEIGHT	mm	1500				1700				1850		1850				1950	1950
最小模厚 MIN.MOULD HEIGHT	mm	680				700				750		750				780	780
顶出行程 EJECTOR STROKE	mm	400				500				500		500				520	520
顶出力 EJECTOR FORCE	Kn	363				490				565		565				830	830
顶出行程 EJECTOR NUMBER		28+1				28+1				32+1		32+1				32+1	32+1
模具孔直径 DIE MOLD DIAMETER	mm	315				315				315		315				315	315
<b>其他 OTHER</b>																	
系统压力 SYSTEM PRESSURE	Mpa	16				16				16		16				16	16
电机功率 MOTOR POWER	Kw	45+45+45				45+55+55				220		220				55+55+55+55+55	55+55+55+55+55
加热功率 HEATER POWER	Kw	118				140				180		180				220	220
油箱容积 OIL TANK CAPACITY	L	2000				3000				3800		3800				5200	5200
机器重量 (吨) MACHINE WEIGHT	Ton	19+86				26+130				43+133		43+133				260	260
外形尺寸 (L*W*H) BOUNDARY DIMENSION	m	7*2.6*3.4 10.3*3.5*3.5				8*3.1*4.1 13*3.9*3.5				9.5*3.3*4.2 13*3.4*3.55		9.5*3.3*4.2 13*3.4*3.55				27*5.2*5.2	27*5.2*5.2
伺服驱动器功率 SERVO DRIVER CAPACITY	Kw	37+37+45+45				45*4				55*4		55*4				55*6	55*6
模座正面尺寸 PLATEN DIMENSIONS (FRONTAL)																	
模座侧面尺寸 PLATEN DIMENSIONS (PLANO)																	

参数如有更改，恕不另行通知。 Dimensions are subject to

## 标准配置 Standard Features

### ● 射胶/熔胶部分

腔控比例背压 (U680TS以上)  
射嘴防堵塞 (可带电器保护)  
自动清料功能  
熔胶后松退可选  
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  
注射位置电子尺寸控制  
防止螺杆冷启动功能  
低速大扭矩马达预塑  
料筒温度闭环控制  
喷嘴对中调节装置  
螺杆测速装置

### ● Injection Unit

The proportion of the back pressure (above U680TS)  
Nozzle pilot temperature control  
Automatic injection and plasticizing failure detection  
Selectable suck-back before or after plasticizing  
Multi-stage barrel PID temperature control (4 to 7 stages)  
Automatic injection and plasticizing failure detection  
6 stage injection speed / pressure / position control  
5 stage holding pressure speed / pressure / time control  
3 stage plasticizing speed / pressure / position control  
Injection position electronic size control  
Prevent screw cold starting function  
Low speed high torque oil motor  
Barrel temperature closed loop control  
Nozzle centering adjusting device  
Screw speed measuring device

### ● 锁模部分

开关模电子尺寸控制  
机械安全机构  
多段开合模压力速度位置控制  
快速启动合模系统  
自动调模功能  
恒压保压功能  
精密电子尺控制锁模/顶针行程  
电液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

Five points double toggle clamping unit  
Mechanical safety agency  
Multi-stage of mold open/close speed, pressure and position  
Fast mold close  
Automatic tuning function  
Low pressure mold protect function  
Precise transducer for clamping/ejecting position controlling  
2 stage ejector forward/backward control  
Various ejection settings  
Hydraulic driven gear-type mold height adjusting device  
T-slot platen design  
Automatic door (above U680TS)  
Mechanical and electrical safety devices

### ● 液压系统

滤芯过滤系统  
液压安全保护 (U680TS以上)  
系统压力流量自动校正

### ● Hydraulic System

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

### ● 控制系统

工业吹风  
输入输出给视频功能  
自动保压及自动加热设定功能  
射胶转速采用时间/位置/时间+位置控制  
动作参数的独立调整  
工艺参数锁定功能  
多种操作语言

### ● Electrical System

The mold blowing  
Input / output inspection function  
Automatic heat remaining and automatic heating setting function  
Holding changeover adopts time/position / time+position control  
Independent adjustment of the action stop pulling  
Molding data locking function  
Multi-language operation display

## 备选配置 Optional Features

### ● 射胶/熔胶部分

加长射嘴  
镀铬镀铬杆组件  
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

Extended nozzle (50/100/150 mm longer)  
Hard chrome plating screw components  
Bimetallic screw component  
Special screw set price  
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  
加架模具隔热板  
特殊模具安装孔

### ● Clamping part

Increasing molar volume  
Increase the plunger stroke  
Open mold mechanical limit switch  
Hung formwork  
Add mold heat shield  
Special mould mounting holes

### ● 液压系统

液压抽芯/旋转脱模装置  
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  
废气射胶装置  
旁过滤嘴

### ● Hydraulic System

Hydraulic pressure core-pulling/rotating  
Hydraulic safety protection  
Independent oil temperature control system  
High response servo injection system  
High response servo system combining a model  
Ejecting during mold opening  
Enlarged oil cooler  
Enlarged oil cooler pump motor  
Accumulator 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  
工作灯/单色或多色警示灯  
单相/三相单元插座  
辅助急停开关  
电动变频器接口  
更改电源电压  
锁模力自动调整功能

### ● Electronic System

Electric unscrewing device  
Hot runner interface  
Air-assisted injection device  
Work light/monochrome or polychromatic light  
Single-phase/three-phase unit socket  
Auxiliary urgent stop switch  
Electric rotating demold interface  
Change the power supply voltage  
Automatic adjusting for the clamping force

### ● 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、唐山、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,公司在不断的研发投资,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500KN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。若有任何疑问,请随时致电或来函联系。

Sonly's products have covered most of the provinces and cities in the country, including: Beijing, Tianjin, Shenyang, Linyi, Changzhou, Suzhou, Shanghai, Changsha, Hefei, Xinjiang, Chengdu, Chongqing, Wuhan, Nanchang, Xiaoshan, Cixi, Yuyao, Wenzhou, Taizhou, Cangnan, Rulian, Quanzhou, Guangzhou, Shenzhen, Shantou, Foshan, Dongguan 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 cooperates 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 500KN 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



首力注塑机产品具有19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。

