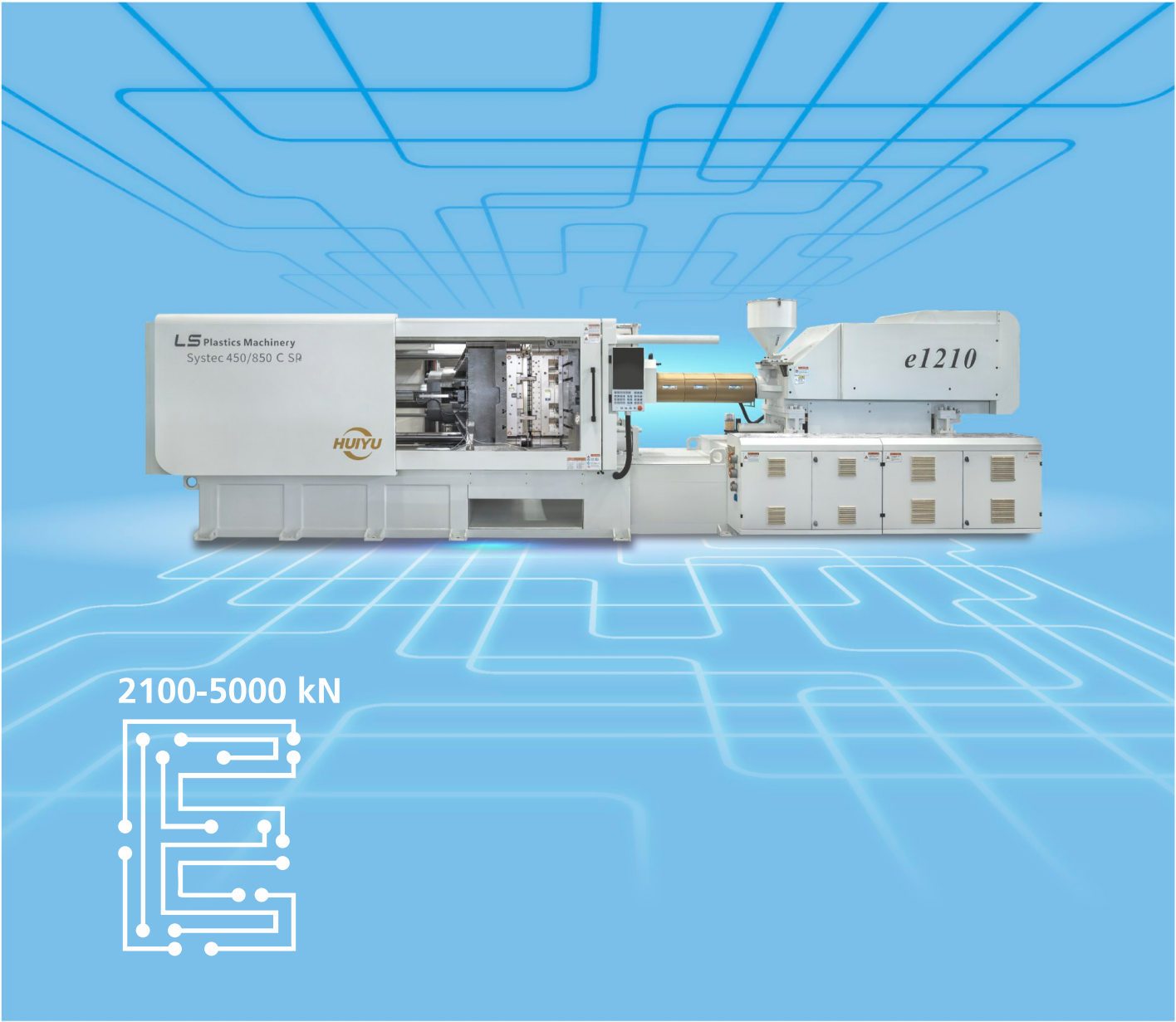


力松®—让增效降本发生

C SP_e 精密高速包装电动注塑机

C SP_e Precision High-speed Packaging Electric injection molding machine



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LISONG力松®

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国家高新技术

专精特新企业

ISO9001:2015质量管理体系认证



关于力松 / About US

在工业制造迈向智能化与绿色化的浪潮中，宁波力松注塑科技有限公司以技术创新为引擎，深耕精密注塑领域，致力于为全球客户提供高精度、高效率、高可靠性的注塑解决方案。我们以“智造赋能产业升级”为使命，持续突破技术瓶颈，成为注塑行业智能化转型的引领者。当精密制造成为产业升级的关键命题，力松注塑科技以0.03mm重复精度、500mm/s超高速射出与2.8秒超短成型周期为核心竞争力，为包装、医疗、家居行业提供高精度、高效率、高稳定性的注塑解决方案，重新定义智能生产边界。

宁波力松注塑科技有限公司，立足中国余姚人才创业园，是速精密注塑领域的创新标杆与智能制造践行者。2022年10月，公司62.6亩现代化新厂房正式投产，力松以技术创新为引擎，深耕精密注塑领域，致力于为全球客户提供高精度、高效率、高可靠性的注塑解决方案。我们以“智造赋能产业升级”为使命，持续突破技术瓶颈，成为注塑行业智能化转型的引领者。依托国内外顶尖技术团队与加拿大先进自动化技术的深度融合，力松始终秉承“正直·创新·诚信·务实·高效”的价值观，致力于让中国智造闪耀世界舞台。

In the wave of industrial manufacturing towards intelligence and green, Ningbo Lisong Injection Molding Technology Co., Ltd. takes technological innovation as the engine, ploughs into the field of precision injection molding, and devotes itself to providing high-precision, high-efficiency, and high-reliability injection molding solutions for customers all over the world. With the mission of "Empowering industrial upgrading with intelligence", we continue to break through technical bottlenecks and become a leader in the intelligent transformation of the injection molding industry. When precision manufacturing becomes the key proposition for industrial upgrading, Lisong Injection Molding Technology takes 0.03mm repeatability, 500mm/s ultra-high-speed injection and 2.8 seconds ultra-short molding cycle as its core competitiveness, and provides high-precision, high-efficiency and high-reliability injection molding solutions for the packaging, medical and household industries to redefine the boundaries of intelligent production.

Ningbo Lisong Injection Molding Technology Co., Ltd, based on China Yuyao Talent Venture Park, is the innovation benchmark in the field of speed and precision injection molding and intelligent manufacturing practitioners. In October 2022, the company's 62.6 acres of modern new plant was officially put into production. With technological innovation as the engine, Lisong is deeply engaged in the field of precision injection molding, and is committed to providing global customers with high-precision, high-efficiency, high-reliability injection solutions. With the mission of "Empowering industrial upgrading with intelligence", we continue to break through the bottleneck of technology and become the leader of intelligent transformation of the injection molding industry. Relying on the deep integration of domestic and international top technical team and Canadian advanced automation technology, Lisong always adheres to the values of "Integrity - Innovation - Integrity - Pragmatism - Efficiency", and is committed to making China's smart manufacturing shine on the world stage.



C SP_e 精密高速包装电动注塑机



0.03mm
重复精度

500mm/s
注射速度

30%⁺
节能

超精密性能：
0.03mm重复精度+500mm/s注射速度，满足医疗、光学级注塑严苛需求；

节能环保：
能耗降低30%+，让每一克塑料，都承载绿色使命；

极速响应：
伺服驱动系统提升响应速度30%，生产周期缩短，效率倍增。



机型特点

免维护合模系统

免维护合模系统保障长期稳定生产、无润滑油污染合模区域有效保护制品的食品安全；

The maintenance free mold clamping system ensures long-term stable production and effectively protects the food safety of products in the mold clamping area without lubricating oil pollution

直压锁模

直压锁模，模板变形小，机器平行度跟随模具，保障每腔产品的一致性；

Direct pressure locking mold, with minimal template deformation and machine parallelism following the mold, ensuring consistency of each cavity product.

- 高效的塑化驱动
- 精准高效的伺服技术确保精确的注射动作
- 快速响应的伺服马达用于动态控制
- 直接测量注射力确保注射，保压，背压的精准控制

Efficient plasticizing drive

Precise and efficient servo technology ensures precise injection movements

Fast-responding servo motors for dynamic control

Direct measurement of injection force ensures precise control of injection, holding pressure and back pressure

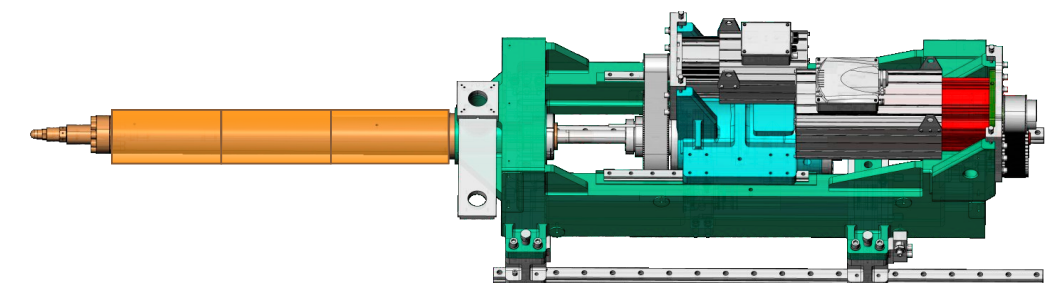
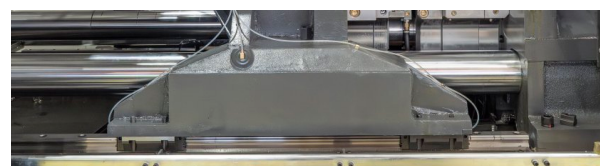
搭配伺服驱动和伺服注射

具有最佳的工艺和精确度表现，最高的节能效率，可以实现最高30%的节能效果，

It is optimized for maximum dynamic and precise performance and highest energy efficiency and realizes up to a 30 % energy saving during operation.

低摩擦力的直线导轨

Low friction linear guide rail





Technical Data LS 210/580 ...LS 500/960 技术参数



Ningbo LiSong Injection Technology Co.,Ltd.		LS 210/580 C SP _e	LS 280/630 C SP _e	LS 320/680 C SP _e	LS 350/730 C SP _e		LS 400/780 C SP _e		LS 450/850 C SP _e		LS 500/960 C SP _e		
Model description	型号	210/580-620	280/630-830	320/680-830	350/730-830	350/730-1210	400/780-830	400/780-1210	450/850-1210	450/850-1530	500/960-1210	500/960-1530	500/960-1805
International size description	国际标准尺寸	2100-620	2800-830	3200-830	3500-830	3500-1210	4000-830	4000-1210	4500-1210	4500-1530	5000-1210	5000-1530	5000-1805
Clamping unit	合模装置	210/580	280/630	320/680	350/730		400/780		450/850		500/960		
Clamping force	合模力	90	100	123	123		140		140		203		
Locking force	锁模力	2100	2800	3200	3500		4000		4500		5000		
Max.daylight	最大模板间距	1200	1250	1250	1250		1550		1550		1550		
Min.mould height	最小模厚	300	300	350	350		400		400		460		
Max.mould height	最大模厚	700	700	750	750		750		750		750		
Mould platen(h×v)	模板尺寸 (水平 × 垂直)	850x850	940x940	1010x1010	1050x1050		1140x1140		1235x1235		1340x1340		
Distance between tie bars(h × v)	拉杆间距 (水平 × 垂直)	580x580	630x630	680x680	730x730		780x780		850x850		960x960		
Ejection stroke	顶出行程	160	175	200	200		250		250		250		
Ejection force	顶出力	99	110	158	185		200		230		230		
Injection unit	注射装置	620	830	830	830	1210	830	1210	1210	1530	1210	1530	1805
Screw diameter	螺杆直径	45	50	50	50	55	50	55	55	60	55	60	65
Screw geometry	螺杆形状	standard 标准	standard 标准	standard 标准	standard 标准	standard 标准	standard 标准	standard 标准	standard 标准	standard 标准	standard 标准	standard 标准	standard 标准
L / D ratio	长径比	24	24	24	24	24	24	24	24	21.6	24	21.6	24
Spec.inj.Press. (up to 400 °C)	注射压力 (至 400℃)	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700
Max. cylinder head volume	理论注射容积	366	491	491	491	713	491	713	713	905	713	905	1062
Max. shot weight (PS)	最大注射量	333	447	447	447	649	447	649	649	824	649	824	966
Max. Rate of injection ¹⁾	最大注射速率 ¹⁾												
> without accumulator	> 无蓄能器	795	982	982	982	1188	982	1188	1188	1414	1188	1414	1327
Injection speed (Under 1000bar injection pressure)	注射速度 (在 1000bar 的注射压力下)												
> without accumulator	> 无蓄能器	500	500	500	500	500	500	500	500	500	500	500	400
Max. screw stroke	最大螺杆行程	230	250	250	250	300	250	320	300	320	300	320	320
Max. nozzle dipping depth(SVO)	最大喷嘴伸出模板长度(SVO)	80	80	80	80	80	80	80	80	80	80	80	80
Number of heating zones	加热段数量	4	5	5	5	5	5	5	5	5	5	5	6
Hopper capacity	料斗容积	35	35	35	35	35	35	35	35	35	35	35	35
General data	综合数据	210/580-670	280/630-830	320/680-830	350/730-830	350/730-1210	400/780-830	400/780-1210	450/850-1210	450/850-1530	500/960-1210	500/960-1530	500/960-1805
Oil tank capacity	油箱容量	120	140	140	140	140	160		180		200		
Installed electrical rating	额定电气功率												
> capacity with hydraulic drive	> 液压驱动功率	22	30	30	30	30	337	37	45	45	55	55	55
> capacity with Injection screw drive	> 注射螺杆驱动功率	60	75	75	75	75	75	75	75	60+60	75	60+60	75
> capacity with Plasticizing screw drive	> 塑化螺杆驱动功率	15	22	22	22	22	22	22	22	37	22	37	30
> heating capacity of screw cylinder	> 料筒加热功率	19.4	25.9	25.9	25.9	29.2	25.9	29.2	29.2	31.6	29.2	31.6	33.3
> capacity with electr drive	> 电器总功率	116.4	152.9	152.9	152.9	156.2	159.9	163.2	171.2	233.6	181.2	243.6	193.3
Net weight (without oil)	机器净重 (不含油)	10800	12000	15000	17000	17500	20000	20400	21800	22200	25800	26200	26300
Machine dimensions(l × w × h)	机器尺寸 (l × w × h)	6.0x1.6x1.9	6.3x1.62x2.0	6.8x1.8x2.2	7.0x1.95x2.3	7.1x1.95x2.3	7.8x2.0x2.4	7.8x2.0x2.4	8.2x2.15x2.4	8.2x2.15x2.4	8.9x2.2x2.6	8.9x2.2x2.6	9.0*2.2*2.6