

# LS series high performance CNC lathe/turning center

## LS高性能系列类数控车床 /车削中心



 **新誉集团**  
New United Group

**SHINRI**® **新瑞**

**江苏新瑞重工科技有限公司**  
JIANGSU SHINRI HEAVY INDUSTRY SCIENCE & TECHNOLOGY CO., LTD.

## Main Feature

### 主要特点

- ☑ LS高性能系列数控车床/车削中心，是我公司推出的新一代高精、高速、高效的加工设备，具有高的可靠性和可扩展性，并配有自动线接口，能够更好地融入智能制造系统中。
- ☑ 纵、横向配置高精度大承载的滚柱型直线导轨副,动态特性好、刚性强，使整机刚性大幅提升。
- ☑ 各伺服轴采用高性能带绝对值编码器交流伺服电机，与高精度滚珠丝杠直联，运行精度高，X轴定位精度/重复定位精度：0.004/0.0025；Z轴定位精度/重复定位精度：0.008/0.003。
- ☑ 机床30° 倾角布局使内部操作空间更大，比45° 布局空间增大大约30%，可与各种形式结构的自动上下料系统或机器人搭配，为全自动和无人化生产提供方便。
- ☑ 可配置自动门，方便上下料，减少工人劳动强度。也可单机自动化生产或与自动线机器人等配合使用。
- ☑ 机床热源均向外辐射，减少热源对机床精度的影响，从而保证长期稳定可靠的加工精度。
- ☑ 全新的设计理念，机床设计充分考虑使用和维修方便，同时杜绝三漏现象。

- ☑ LS series high performance CNC lathe/turning center launched by our company is a new generation processing equipment features high accuracy, high speed and high efficiency.
- ☑ High precision and large bearing roller type linear guide pair is configured vertically and laterally, result in high rigidity and good dynamic performance, greatly enhance the machine rigidity.
- ☑ Each servo shaft adopts high performance AC Servo Motor with absolute position and high precision ball crew .It features high running accuracy. X axis positioning accuracy or Repositioning accuracy is 0.004 or 0.0025; Z axis positioning accuracy or repositioning accuracy is 0.008 or 0.003;
- ☑ The slant machine of is 30° which makes the internal operation space 30 percent larger than the 45° slant one. It can also be used with various structure of the automatic loading and unloading system or robot. This provides convenience to the all automatic and manless production.
- ☑ Auto-door is configurable for easy loading or unloading and reducing of labor intensity. The machine can also realize single machine automatic production or be used in combination with automatic line robot.
- ☑ The machine heat radiating out to reduce the effect of the machine accuracy, which ensures the long-term stability of the working precision.
- ☑ The new concept of Machine design sufficiently considers the convenience of using and maintenance, prevention of the three leakage phenomenon.



国内外领先



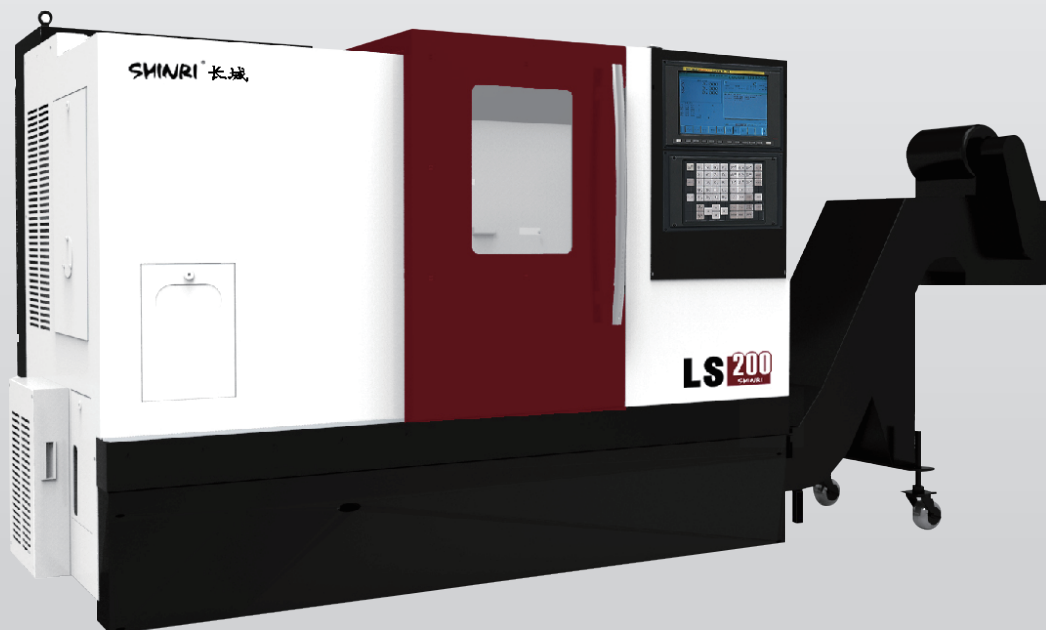
安全保障



快速响应

☑ 性能**稳定**

☑ 配套**先进**



# Main Specifications

## 主要规格

规格	技术参数	单位	LS120	LS120P	LS200
加工能力 Machining capacity	床身上最大回转直径 Max.swing over bed	mm	Φ320	Φ320	Φ510
	床鞍上最大回转直径 Max.swing over saddle	mm	Φ220	/	Φ290
	滑体上最大回转直径 Max.swing over operating slide	mm	/	Φ120	/
	最大加工直径(盘类) Max.turning diameter(Disc type)	mm	Φ200	Φ200	Φ320
	最大加工长度 Max.turning length	mm	300	100(内孔)	500/1000
行程 Travel	最大行程X轴 Max.travel X axis	mm	110+10	390	160+15
	最大行程Z轴 Max.travel Z axis	mm	390	390	550/1050
主轴 Spindle	主轴最高转速 Max.Spindle speed	r/min	6000	6000	5000
	主轴端部型式代号 Spindle end type code		A2-5	A2-5	A2-6
	主轴通孔直径 Spindle hole diameter	mm	Φ48	Φ48	Φ63
	主轴中心至地面高度 Distance from spindle centre to the ground	mm	900	900	990
	主轴电机功率 Power of spindle motor	kW	5.5/7.5	5.5/7.5	11/15
尾架 Tailstock	尾架(套筒)最大行程 Max.travel of tailstock quill	mm	60	/	80
	尾架套筒直径 Diameter of tailstock quill	mm	50	/	80
	顶尖规格/类型 center type	莫氏(Morse)	3#/活顶尖 (live center)	/	4#/活顶尖 (live center)
卡盘 Chuck	液压卡盘直径 Hydraulic chuck diameter	inch	5/中空(cavity)	5/中空(cavity)	8/中实(solid)
进给速度 Feed rate	快移速度(X/Z/Y) Rapid travel speed(X/Z/Y)	m/min	24/30	24/30	30/36
刀架 Turret	刀塔形式 Turret type		Hydraulic Turret 液压刀台	排刀(knife arrangement)	Hydraulic Turret 液压刀台
	刀位数 Tool stations	把Tools	8	根据工件 (up to workpiece)	12
	外圆刀方尺寸 OD shank size	mm	20×20	20×20	20×20
	最大镗刀杆直径 Max.diameter of boring bar	mm	Φ25	Φ25	Φ32
控制系统 Control system	标准配置/可选配置 standard/ optional		FANUC Oi TF / SIEMENS/ 广数		FANUC Oi TF / SIEMENS
滚动导轨 Rolling guide	品牌 Brand		PMI	PMI	PMI
机床外形尺寸 Overall dimension	长×宽×高(L/W/H)	mm	3150×1600 ×1700	3150×1600 ×1700	3650/4150× 1650×1750
机床重量 Machine weight	净重 Net weight	T	1.8	1.7	3.5/4.5



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JIANGSU SHINRI HEAVY INDUSTRY SCIENCE AND TECHNOLOGY CO.,LTD.

## 原江苏多棱数控机床有限公司

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