

LG / LS Series Full Functional CNC Lathe/Turning Center

LG/LS系列全功能数控车床/ 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

- ☑ LG系列为我公司第二代新型数控车床，整体45° 倾斜导轨床身结构，具备高性能、高稳定的特性，提供了更加完美的加工方案。机床造型美观大方，安全可靠，人机功能得到充分体现。具备最先进的控制系列和驱动技术，是车削加工的一款高精度、高稳定、高效率精品设备。
- ☑ 本系列机床采用模块化设计，可以根据配置的不同变化和用户的特殊要求，提供具备特殊功能或个性化产品，同时还可以配成车削中心产品。
- ☑ 主轴前后轴承均配置角接触主轴球轴承组合，充分满足了重切削下的径向、轴向载荷；
- ☑ 采用进口电动（液压）转塔刀架，可实现高刚性下的强力切削，双向就近选刀，提高生产率；
- ☑ X、Z轴均采用交流伺服电机驱动，半闭环控制，并可以选配全闭环控制；
- ☑ 精心设计的排屑器与水箱分离结构，方便了水箱的清理；冷却系统采用高扬程软体泵，使零件加工得到极佳的冷却效果。

- ☑ LG series products are second generation CNC lathe products from our company. The 45°slant machine bed features high performance and high stability and can provide perfect machining method. The machine features beautiful appearance, high reliability and the man-machine function is fully exhibited. With world advanced control and driven system, the machine is a turning device with high accuracy, high stability and high efficiency.
- ☑ The series machine is with mould design; We are able to special functions or customized products according to different configurations and different requirements from customer. The mean time, we are able to convert this type into turning centers.
- ☑ The spindle front and back bearing are all angle touching bearing group, which enables heavy duty cutting force in both radial and axis directions.
- ☑ With original packing electrical(Hydraulic)turret, the machine can realize heavy duty cutting in high rigidity, adjacent tool selection in double sides and promote production efficiency.
- ☑ Both X and Z axis are driven by AC servo motors and realize, semi-closed control. And the full-closed control is optional.
- ☑ The well-designed chip conveyer and water tank separate structure is convent for cleaning. The cooling system is with high-lift soft pump and can make sure that machining component is well cooled during machining.

☑ 性能**稳定**

☑ 配套**先进**



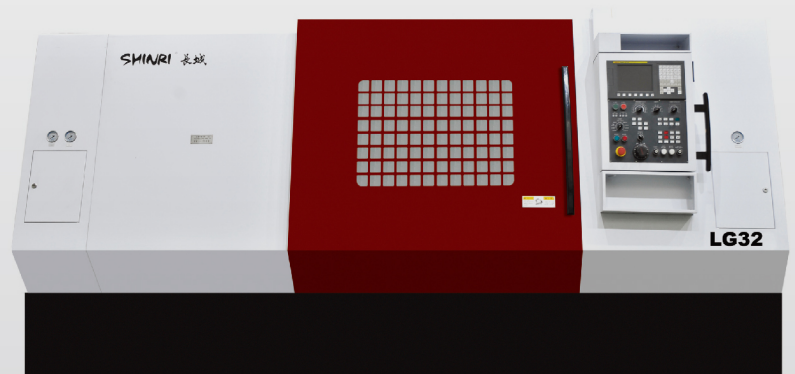
快速响应



安全保障



国内外领先



Main Specifications

主要规格

规格	技术参数	单位	LG16A	LG20A
加工能力 Machining capacity	床身上最大回转直径 Max.swing over bed	mm	Φ400	Φ500
	床鞍上最大回转直径 Max.swing diameter over saddle	mm	Φ280	Φ300
	最大车削直径 Max.turning diameter	mm	Φ360	Φ400
	最大车削长度 Max.turning length	mm	500	400/650/1000
行程 Travel	最大行程X轴 Max.travel X axis	mm	195	210+30
	最大行程Z轴 Max.travel Z axis	mm	590	500/750/1100
主轴 Spindle	主轴转速 Spindle speed	r/min	5000	3500
	主轴定心轴颈锥度 Centweing journal taper of spindle		14° 15"	14° 15"
	主轴锥孔锥度 Tapwe of hole in spindle		莫氏Morse6#	公制Metric system80
	主轴通孔直径 Spindle hole diameter	mm	Φ55	Φ65
	主轴前轴径尺寸 Fore axis dimension of spindle	mm	Φ90	Φ110
	主轴中心至床面高度 Distance from spindle centwe to bde suriace	mm	230	300
	主轴中心至地面高度 Distance from spindle centwe to the ground	mm	950	950
尾架 Tailstock	尾架(套筒)最大行程 Max.travel of tailstock quill	mm	80	100
	尾架套筒直径 Diameter of tailstock quill	mm	Φ85	Φ100
	芯轴锥孔锥度 Taper of hole in mandrel	莫氏	Morse3#	Morse4#
卡盘 Chuck	液压卡盘直径 Hydraulic chuck diameter		8"	8"
进给速度 Feed rate	快速速度 (X/Z) Rapid rate(X/Z)	m/min	16/20	18/20
	工进速度 (X/Z) Feed rate (X/Z)	mm/min	0.001-10000/0.001-12000	0.001-12000/0.001-16000
控制系统 Control system	数控系统 CNC system		广数	FANUC 0I-TF
	主轴电机功率 Power of spindle motor	kW	5.5/7.5	11/15
	X轴伺服电机 Servo motor of X axis	Nm	6	8
	Z轴伺服电机 Servo motor of Z axis	Nm	10	12
刀库 Tool magazine	刀塔形式 Turret type		电动	电动
	刀位数 Tool stations	把Tools	8	12
	外圆刀方尺寸 OD shank size	mm	25×25	25×25
	最大镗刀杆直径 Max.diameter of boring bar	mm	Φ40	Φ40
机床重量(净重/毛重)	Machine weight(net weight/gross weight)	t	2.6	4.8/5.3/5.8

	LG32	LG40	LG63
	Φ630	Φ670/Φ630	Φ800/Φ760
	Φ420	Φ460	Φ640
	Φ600	Φ600	Φ800
	750/1200/1800	1500/2500	1500/3000
	310+30	350	460
	850/1300/1900	1710/2580	1740/3150
	2500	2000	1800
	14° 15"	14° 15"	14° 15"
	公制Metric system100	公制Metric system120	公制Metric system120
	Φ85	Φ100	Φ110
	Φ140	Φ170	Φ170
	360	360	455
	1050	1060/1150	1200
	140	180	220
	Φ140	Φ160	Φ180
	Morse5#	Morse5#	Morse6#
	12"	15"	18"
	12/16	9/13	10/10
5000	0.001-12000/0.001-16000	0.001-12000/0.001-16000	0.001-12000/0.001-16000
	FANUC 0I-TF	FANUC 0I-TF	FANUC 0I-TF
	18.5/22	22/30	22/30
	12	22	22
	22	30	30
	电动	液压	液压
	12	12	12
	32 × 25	32 × 25	32 × 32
	Φ50	Φ60	Φ80
	8/9/10.5	12.6/14.8	14.5/20.5

Main Feature

主要特点

- ☑ LS系列类数控车床，是我公司推出的高精、高速、高效的加工设备。
- ☑ 机床采用了与水平成45°角的床身布局，具有结构紧凑，布局合理，排屑性能好、操作宜人等优点；
- ☑ 纵、横向配置高精度滚珠直线导轨副,动态特性好，刚性强；
- ☑ 整机采用模块化设计，可满足不同用户的不同功能及配置的要求；
- ☑ 精心设计的水箱及大扬程离心泵的应用，实现了对零件的强劲冷却和冲屑效果。

- ☑ LS series CNC lathe are high accuracy, high speed and high efficiency processing equipment from our company.
- ☑ The machine tilt 45° horizontally, has the advantage of compact structure, rational layout, well chip removal performance, operation and pleasant and so on.
- ☑ High precision ball linear guide pair is configured vertically and laterally, result in high rigidity and good dynamic performance. The whole machine adopts modular design and can meet the different functions and configuration requirements of different customers;
- ☑ Well-designing water tank and high lift centrifugal pump is adopted to realize strong cooling for parts and chip removal effect.



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	LS25A
加工能力 Machining capacity	床身上最大回转直径 Max.swing over bed	mm	φ525
	床鞍上最大回转直径 Max.swing over saddle	mm	φ350
	滑体上最大回转直径 Max.swing over operating slide	mm	\
	最大加工直径(盘类) Max.turning diameter(Disc type)	mm	φ500
	最大加工长度 Max.turning length	mm	750/1200/1800
行程 Travel	最大行程X轴 Max.travel X axis	mm	260+40
	最大行程Z轴 Max.travel Z axis	mm	850/1300/1900
主轴 Spindle	主轴最高转速 Spindle speed	r/min	3000
	主轴端部型式代号 Spindle end face type code		A2-6
	主轴通孔直径 Spindle through-hole diameter	mm	φ65
	主轴中心至地面高度 Distance from spindle centre to the ground	mm	1050
	主轴电机功率 Power of spindle motor	kW	15/18.5
尾架 Tailstock	尾架(套筒)最大行程 Max.travel of tailstock quill	mm	100
	尾架套筒直径 Diameter of tailstock quill	mm	φ100
	顶尖规格/类型 Centre specifications/type	莫氏	4#
卡盘 Chuck	液压卡盘直径 Hydraulic chuck diameter	inch	10/中实
进给速度 Feed rate	快移速度(X/Z/Y) Rapid travel speed(X/Z/Y)	m/min	16/24
刀架 Turret	刀塔形式 Turret type		电动刀台
	刀位数 Tool stations	把Tools	12
	外圆刀方尺寸 OD shank size	mm	25 × 25
	最大镗刀杆直径 Max.diameter of boring bar	mm	φ50
控制系统 Control system	标准配置/可选配置 Standard configuration/Optional configuration		FANUC 0i TF / 广数 FANUC 0i TF / SIEMENS
机床外形尺寸 Overall dimension	长 × 宽 × 高S(L/W/H)	mm	4740/5190/5790 × 1940 × 2040
机床重量 Machine weight	净重 Net weight	t	8/9/10

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

原江苏多棱数控机床有限公司
FORMERLY KNOWN JIANGSU DUOLENG CNC MACHINE TOOL CO.,LTD.

中国江苏常州市武进高新技术产业开发区凤栖路20号 邮编: 213166
No.20 Fengqi Road, Wujin Hi-Tech Industrial Zone, Changzhou, Jiangsu, China, 213166
电话(Tel): 0519-68886200 68886262
传真(Fax): 0519-88385508 83261312
E-mail: sales@shinri.cn
Intl. Business Dept.: export@shinri.cn

宁夏新瑞长城机床有限公司
SHINRI CHANGCHENG MACHINE TOOL CO.,LTD.

中国宁夏银川市西夏区宝湖西路505号 邮编: 750021
No.505 Baohu Xi Road, Xixia District, Yinchuan City, Ningxia, China, 750021
电话(Tel): 0951-2139208
传真(Fax): 0951-2139158



24小时服务热线: 400-828-5508
www.shinri.cn