



YUNNAN CY GROUP CO., LTD

(YUNNAN MACHINE TOOL WORKS)

YUNNAN MACHINE TOOL GROUP IMP. & EXP. CO., LTD



ISO 9001 国际质量体系认证
ISO 14001 环保认证

CY-L SERIES HIGH SPEED GAP-BED LATHE 高速马鞍车床



Features 机床特点

• The headstock, gear-box, apron and bed-ways are made of high quality casting iron, and they are all cast with the resin sand foundry technology. The hardness of induction hardened bed-ways is around HRC 55.

床头箱, 进给箱, 溜板箱及床身由优质铸铁和树脂砂铸造。床身经淬火处理, 强度达到 HRC55。

• The lathe is featured of high efficiency, high precision, high rigidity and excellent cutting performance. 该产品具有高效率, 高精度, 高刚性和优异的切削性能。

• The spindle supported by 3-pointed high-precision bearings and all gears in headstock are precisely grinded, the spindle turns smoothly at high speed. 主轴采用三点支承高精设计。床头箱内各对齿轮均经过精磨研

配, 确保了主轴平稳高速运转。

• The base of the bed is cast into mono-block with a chip space. The structure ensures high rigidity of the whole machine and convenient chip disposal.

整体铸造式床脚, 高刚性后排屑设计。此结构确保了整机的高刚性和排屑的便利。

• Foot brake, overload protection, chip guard, longitudinal automatic stop device, point-to-point control in spindle, manual lubrication pump, ensures easy operation and good performance of the machine.

脚踏刹车, 过载保护, 挡屑板, 纵向自动碰停装置, 主轴点对点控制和手动控制润滑泵等装置使得机床操作方便, 性能可靠。

MAIN SPECIFICATIONS 主要技术参数

Specification 参数 / Model 型号		CY-L1630G	CY-L1640G	CY-L1660G
Distance between centers	顶尖距	750mm	1000mm	1500mm
Width of bed	床身宽度	274mm		
Swing over bed	床身最大回转直径	410mm		
Swing over cross slide	下刀架最大回转直径	258mm		
Swing in gap	马鞍内最大回转直径	580mm		
Width of gap	马鞍宽度	250mm		
Spindle nose & bore	主轴头型号及直径	D6 Φ 52mm		
Spindle center taper	主轴孔锥度	MT6		
Spindle speed	主轴转速	33 – 2000rpm (16 steps)		
Inch system threads	英制螺纹	4 – 56TPI		
Metric threads	公制螺纹	0.5 – 7mm		
Range of longitudinal feed	纵向进给量范围	0.087 – 1.22mm/rev		
Range of cross feed	横向进给量范围	0.066 – 0.931mm/rev		
Lead screw diameter	大丝杠直径	28mm		
Lead screw pitch	大丝杠螺距	6mm(Metric system) 4TPI(Inch system)		
Top slide travel	上刀架最大行程	100mm		
Cross slide travel	下刀架最大行程	220mm		
Tailstock quill taper	尾座孔莫氏锥度	MT4		
Tailstock quill max travel	尾座套筒行程	100mm		
Tailstock quill diameter	尾座套筒直径	Φ 52mm		
Coolant pump motor	冷却泵电机	90kW		
Main motor	主电动机	3kW / 4.5kW		
Gross / Net weight (kg)	毛 / 净重 (千克)	1600 / 1300	1700 / 1400	2200 / 1700
Package dimensions (mm)	包装尺寸 (毫米)	2020x1120x1680	2280x1120x1680	2750x1120x1680

Standard accessories: 标准附件 :

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|---|--------------------|
| 1、 Φ 200mm 3-jaw chuck Φ 200mm 三爪卡盘 | 4、Chuck cover 卡盘护罩 |
| 2、Thread chasing dial 螺牙表 | 5、Foot brake 脚踏刹车 |
| 3、Chip guard 挡屑板 | |

Optional accessories: 选配附件

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|---|--|
| 1、 Φ 400mm Face plate Φ 400mm 花盘 | 10、Center 固定顶尖 |
| 2、 Φ 250mm 4-jaw chuck Φ 250mm 四爪卡盘 | 11、 Φ 20-120mm Steady rest Φ 20-120mm中心架 |
| 3、 Φ 190mm Drive plate Φ 190mm 拨盘 | 12、 Φ 20-60mm Follow rest Φ 20-60mm跟刀架 |
| 4、4# live center 4号活顶尖 | 13、Center sleeve 变径套 |
| 5、Taper turning attachment(TTA) 锥度尺 | 14、Micro stop for saddle 微调限位器 |
| 6、4-position stop for saddle 四位纵向限位器 | 15、4-position stop for cross slide 四位横向限位器 |
| 7、Quick change tool post 快换刀架 | 16、Halogen work lamp 卤素灯 |
| 8、Damping washer 减震垫铁 | 17、Digital readout(DRO) 数显装置 |
| 9、CE standard compliance CE标准 | |

The explanation, diagram and technical parameter are varying with continuous technology development without further notice.