



**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-S 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 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。

• All gears in headstock are precisely grinded, the spindle turns smoothly at high speed.

床头箱内各对齿轮及花键轴均经过精磨研配, 确保了主轴平稳高速运转。

• 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-S1840G	CY-S1860G	CY-S2040B	CY-S2060B
Distance between centers	顶尖距	1000mm	1500mm	1000mm	1500mm
Width of bed	床身宽度	300mm			
Swing over bed	床身最大回转直径	460mm		510mm	
Swing over cross slide	下刀架最大回转直径	275mm		320mm	
Swing in gap	马鞍内最大回转直径	690mm		734mm	
Width of gap	马鞍宽度	275mm		275mm	
Spindle nose & bore	主轴头型号及直径	D6 $\Phi$ 57mm		D8 $\Phi$ 82mm	
Spindle taper	主轴孔锥度	MT6		1:20	
Spindle speed	主轴转速	20 – 2000rpm		15-1500rpm	
Inch system threads	英制螺纹	2 – 56TPI			
Metric threads	公制螺纹	0.5 – 14mm			
Range of longitudinal feed	纵向进给量范围	0.06 – 0.82mm/rev			
Range of cross feed	横向进给量范围	0.017 – 0.242mm/rev			
Lead screw diameter	大丝杠直径	35mm			
Lead screw pitch	大丝杠螺距	6mm(Metric system) 4TPI(Inch system)			
Tailstock quill taper	尾座孔锥度	MT4			
Tailstock quill max travel	尾座套筒行程	127mm			
Tailstock quill diameter	尾座套筒直径	58mm		58mm	
Coolant pump motor	冷却泵电机	90W			
Main motor	主电动机	5.5kW		7.5kW	
Gross / Net weight (kg) 毛重 / 净重 (千克)	1000mm	2000 / 1600			
	1500mm	2400 / 1800			
Package dimensions (mm) 包装尺寸 (毫米)	1000mm	2320 x 1120 x 1680			
	1500mm	2880 x 1120 x 1680			

### Standard accessories: 标准附件 :

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|--|--------------------|
| 1、 $\Phi$ 250mm 3-jaw chuck $\Phi$ 250mm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、 $\Phi$ 400mm Face plate $\Phi$ 400mm花盘          | 9、4-position stop for saddle 四位纵向限位器       |
| 2、 $\Phi$ 20-130mm Steady rest $\Phi$ 20-130mm 中心架 | 10、Micro stop for saddle 微调限位器             |
| 3、 $\Phi$ 320mm 4-jaw chuck $\Phi$ 320mm四爪卡盘       | 11、Quick change tool post 快换刀架             |
| 4、 $\Phi$ 250mm Drive plate $\Phi$ 250mm拨盘         | 12、4-position stop for cross slide 四位横向限位器 |
| 5、 $\Phi$ 20-80mm Follow rest $\Phi$ 20-80mm 跟刀架   | 13、Damping washer 减震垫铁                     |
| 6、4# live center 4号活尖                              | 14、Halogen work lamp 卤素灯                   |
| 7、Center sleeve 变径套                                | 15、Taper turning attachment(TTA) 锥度尺       |
| 8、Center 固定顶尖                                      | 16、Digital readout(DRO) 数显装置               |

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

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