

# Manual Metal Lathe

## Model: T6163B



### **Futures**

- High-torsion horizontal bed, carefully manufactured with high-quality cast iron, and induction hardening precision treatment of the guide rail surface;
- The guide rail pair composed of PTFE guide rail soft tape is wear-resistant, vibration-absorbing, and has good accuracy retention;
- The main shaft adopts a three-support structure, which has good rigidity and high precision, and can be strongly cut. The diameter of the spindle through hole is  $\phi 105\text{mm}$ ;
- 14-level wide speed range, you can choose a more reasonable speed;
- Can directly turn metric and inch threads;
- Spindle rotation can be inching control and quick braking
- Different voltage (220 V, 380V, 420V), different frequency (50 Hz, 60Hz) of the electrical system

**Machine specifications**

Items	T6163B
<b>Capacity</b>	
Max. swing dia. over bed	Φ660 mm
Max. swing dia. over slide	Φ400 mm
Max. workpiece length	1500/2000/3000 mm
Max. turning length	1400/2900 mm
Bed width	560 mm
<b>Spindle</b>	
Spindle bore diameter	Φ105 mm
Taper of spindle bore	1:20
Type of spindle nose	A1-11
Spindle speed	12.5-1120
Spindle speed steps.	14
<b>Feeds and threads</b>	
Max. travel of upper tool post	200 mm
Max. travel of lower tool post	480 mm
Tool section	32x32 mm
Cross feeds range	0.031-7.0 mm/r; 64kinds
Longitudinal feeds range	0.062-14.0 mm/r; 64kinds
Metric threads	0.5-56 mm; 38kinds
Inch threads	56-0.5TPI; 43kinds
Module threads	0.2-7 mm; 21kinds
Diametric pitch threads	56-4DP; 27kinds
<b>Tailstock</b>	
Diameter of quill	Φ100 mm
Max. travel of quill	250
Taper of quill	MT5 mm
<b>Motors</b>	
Main spindle motor	11 kW
<b>Others</b>	
L x W x H (of lathe)	1500mm: 3500x1370x1470 mm 2000mm: 4000x1370x1470 mm 3000mm: 5000x1370x1470 mm 4000mm: 6000x1370x1470 mm
Net weight	4200/4500/4700 /4900 kg



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## Equipment

Item 01	Descriptions	
01.01	3-jaw Chuck $\Phi$ 315mm	
01.02	4-way tool post	
01.03	Steady rest(only 3000mm lathe)	
01.04	Follow rest(only 3000mm lathe)	
01.05	Work lamp	
01.06	Tank chain	

## Optional

Item 02	Descriptions	
02.01	Taper Turning Attachment	
02.02	2-axis or 3-axis DRO	
02.03	4-jaw Chuck	
02.04	Live center	
02.05	Leadscrew guard	