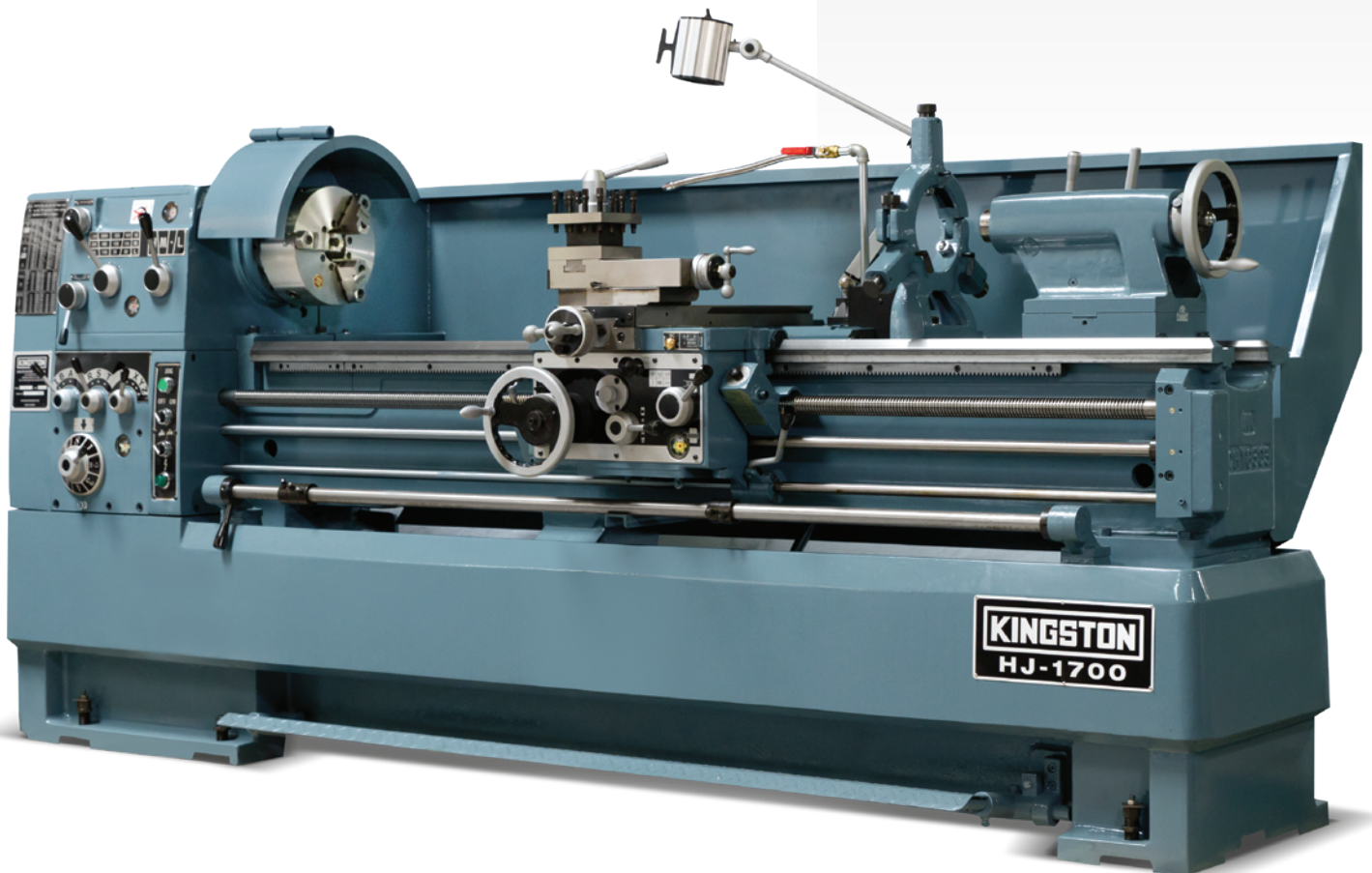


# HJ

Precision Lathes



**KINGSTON**

# HJ

## Precision Lathes

Our HJ model is the perfect manual lathe for job shop production, repairs, reworking threads, and making fixtures and tooling. In addition to machine shops, schools also love the HJ because of its ease of operation and durability. The hardened and ground main spindle features a 3-point bearing support with taper roller bearings for precision cutting. The original 2.25" bore HJ features a D1-6 Camlock spindle and 12 speeds from 35 – 2000 RPM, while the 3" bore upgrade offers a D1-8 nose and 29 – 1650 RPM. The uniquely designed timing-belt-driven gear box offers a comprehensive range of inch and metric threads without the use of change gears, making for a smoother and quieter operating experience overall. Both bedway and cross slide are hardened and ground. Machine lengths available in 43" or 67".

### Machine Highlights

- 1 **7.5 HP High Performance Motor** with Overload Protection Relay
- 2 **Timing Belt** Driven Power Train System



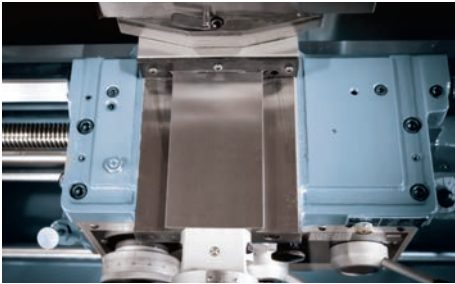
- 3 **Headstock Gears**, 12 Speeds from 35 – 2000 RPM (3" Bore: 29 – 1650 RPM)



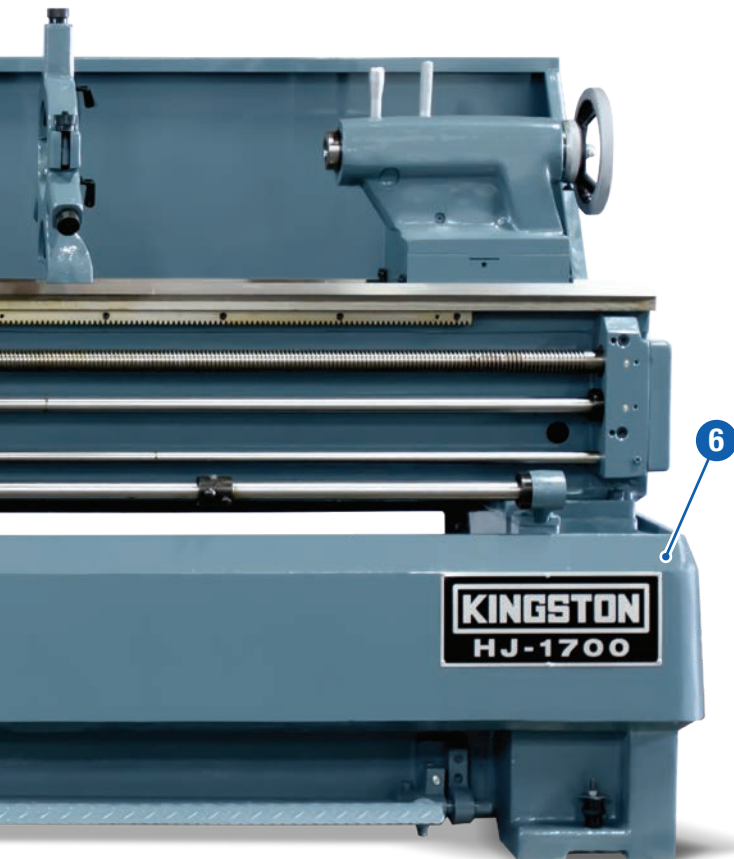
**4 Spindle with 3-Point Bearing System**



**5 Hardened & Ground Cross Slide Way**



**6 One-Piece Casting**

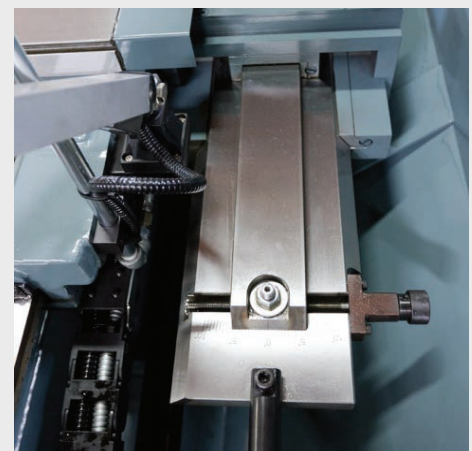


## Standard Features

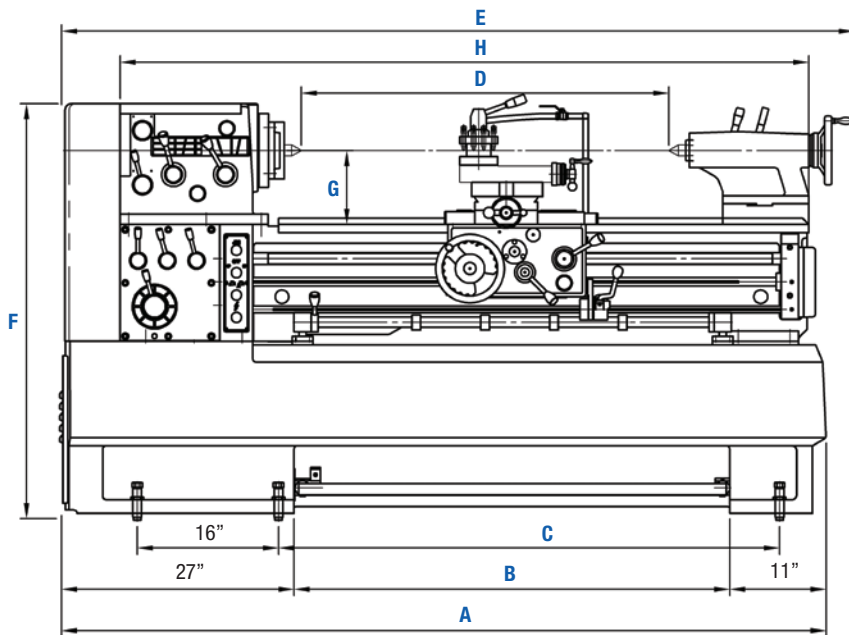
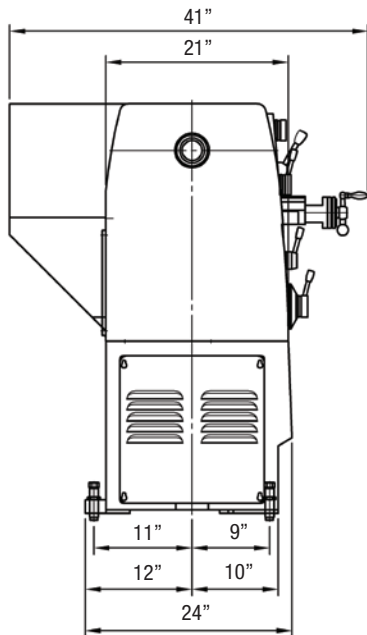
- 7.5 HP Motor
- 2.25" Spindle Bore (3.07" Upgrade)
- Spindle Nose: D1-6 (D1-8)
- 12 Speeds: 35 – 2000 RPM (3" Bore: 29 – 1650 RPM)
- Taiwan Made Chadox SK 10" 3-Jaw Scroll Chuck (3" Bore: SK 12" 3-Jaw)
- 4.7" Steady Rest
- 4-Way Tool Post, T-Slot Compound
- Work Light + Coolant System
- E-Stop Button
- Full-Length Splash Guard & Chuck Guard

## Optional Accessories

- 3.07" Spindle Bore Upgrade (D1-8)
- Steady Rests
- Follow Rest
- Taper Attachment
- Carriage Stops
- Quick Change Tool Post
- Digital Readout (DRO) + Installation
- Chucks & Faceplates
- Safety Accessories



Optional Taper



	HJ 1100	HJ 1700
<b>A</b>	87"	111"
<b>B</b>	50"	74"
<b>C</b>	57"	81"
<b>D</b>	42"	66"
<b>E</b>	92"	116"
<b>F</b>	47"	47"
<b>G</b>	8"	8"
<b>H</b>	79"	103"

Capacity	HJ-1100	HJ-1700
Swing Over Bed		17"
Swing Over Cross Slide		10.6"
Swing in Gap		24"
Distance Between Centers	43.5"	67"
Width of Bed		11.75"
Width of Gap in Front of Face Plate		5.9"
Height of Center from Leg Bottom		42.3"
Headstock		
Spindle Bore	2.25" (3.07" upgrade)	
Taper of Spindle Bore & Center	M.T. #6 x #4	
Type of Spindle Nose	D1-6 (D1-8)	
Number of Spindle Speeds	12	
Spindle Speed	35 – 2000 RPM (29 – 1650 RPM)	
Gear Box		
Number of Feed Changes	16	
Feeds per Revolution - Longitudinal	0.0012" – 0.039"	
- Cross	0.0004" – 0.0117"	
Diameter and Pitch of Leadscrew	ø1.38", 4 TPI	
Range of Inch Threads	2-72 TPI (44)	
Range of Metric Pitches	0.2 – 14mm (39 kinds)	
Tool Slide		
Maximum Travel of Compound	5.7"	
Maximum Travel of Cross Slide	10.4"	
Tailstock		
Tailstock Quill Travel	6.7"	
Tailstock Quill Diameter	2.3", M.T. #4	
Motor		
Main Drive Motor	7.5 HP	
Coolant Pump Motor	1/8 HP	
Dimension (Floor Space)	98" x 41"	120" x 41"
Weight	3,520 lb	3,960 lb



#### Kingston Machine Tool

5421 Business Dr.

Huntington Beach, CA 92649

(714) 894-1648 | Fax (714) 897-2616

kingstonmachine.com

