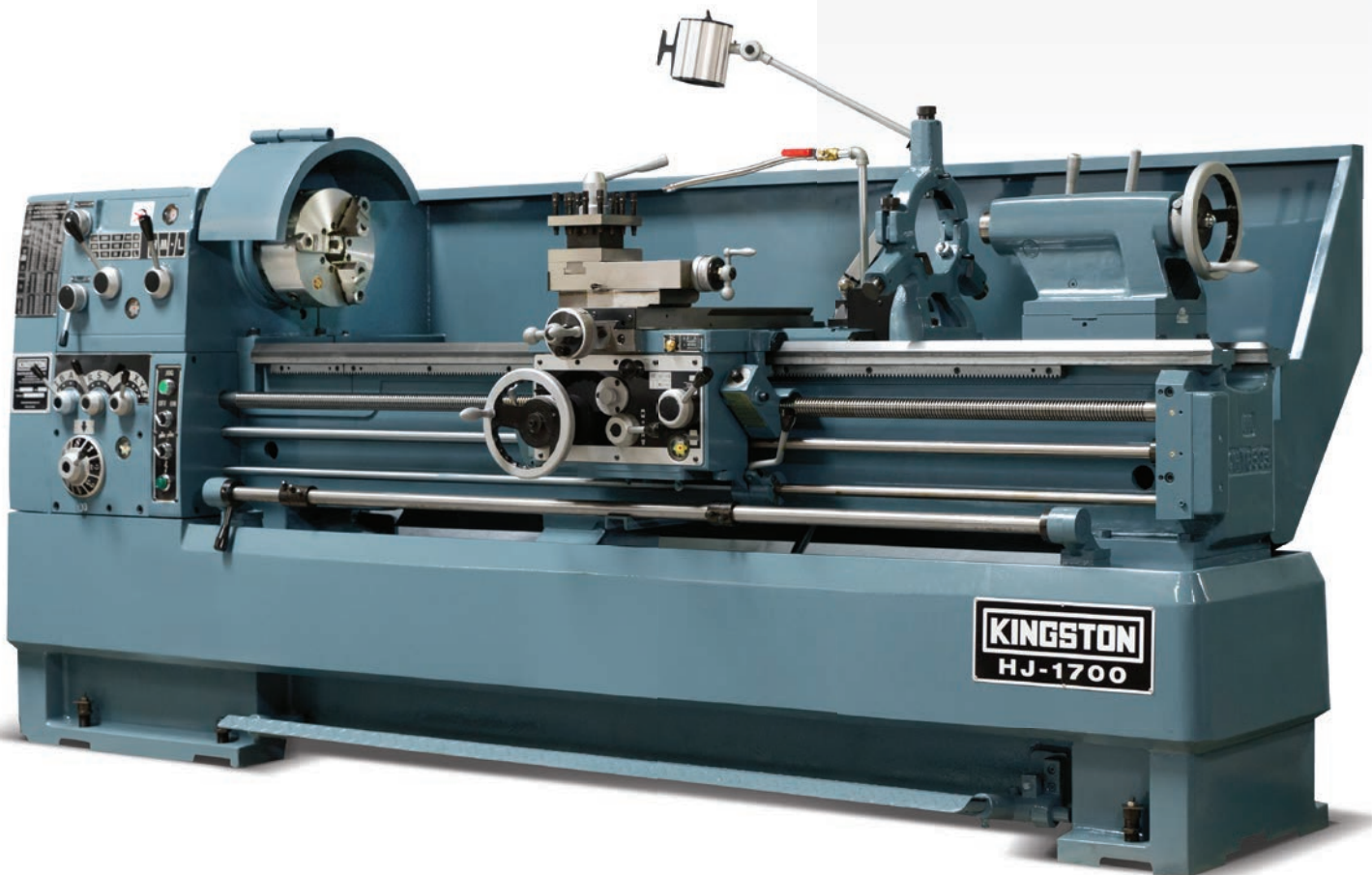


HJ

Precision Lathes



KINGSTON

HJ

Precision Lathes

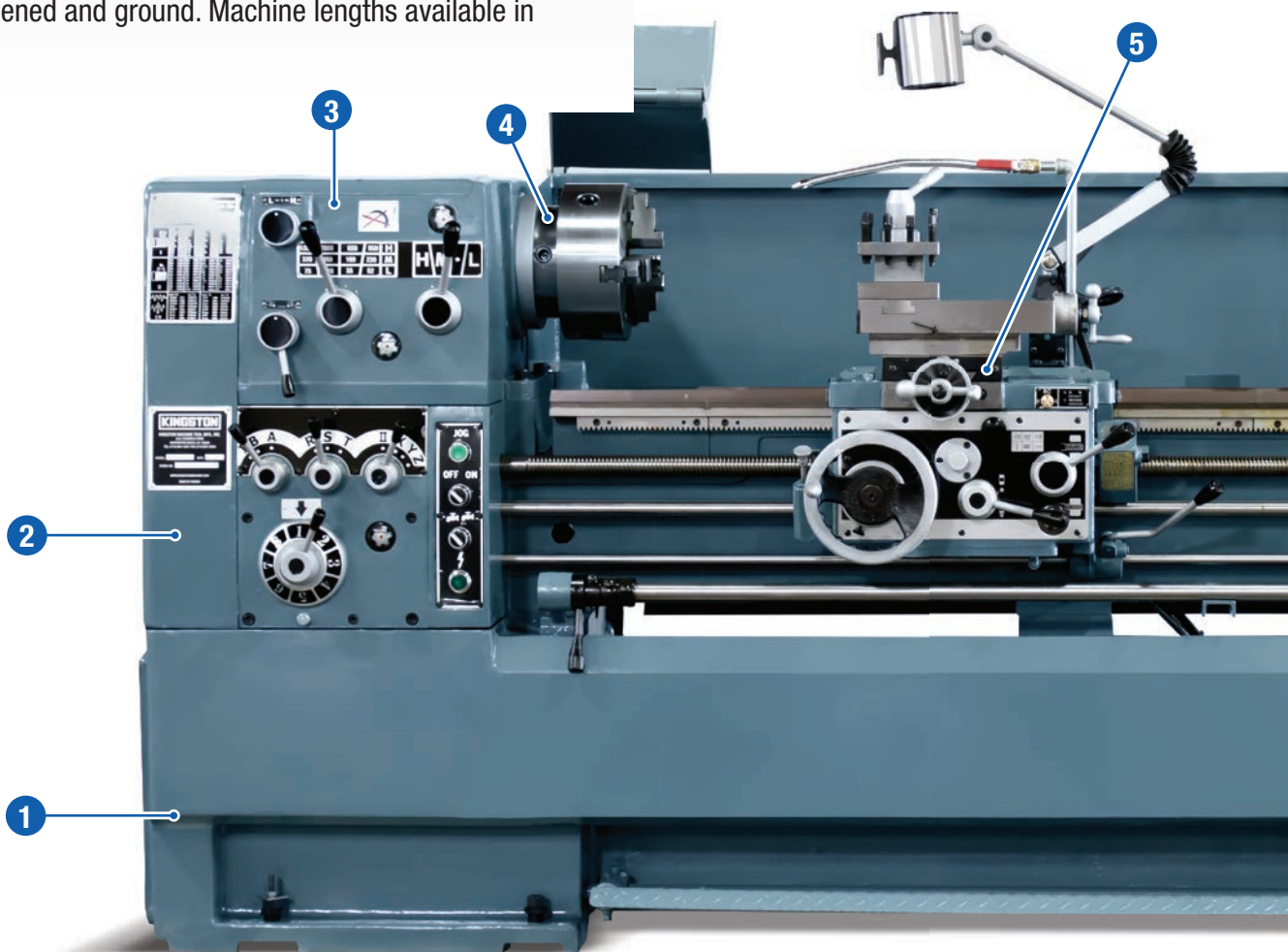
Our HJ model is the perfect manual lathe for job shop production, repairs, reworking threads, and making fixtures and tooling. In addition to machine shops, schools also love the HJ because of its ease of operation and durability. The hardened and ground main spindle features a 3-point bearing support with taper roller bearings for precision cutting. The HJ features a D1-6 Camlock spindle, 12 speeds from 35 – 2000 RPM and a 7.5 HP motor. 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



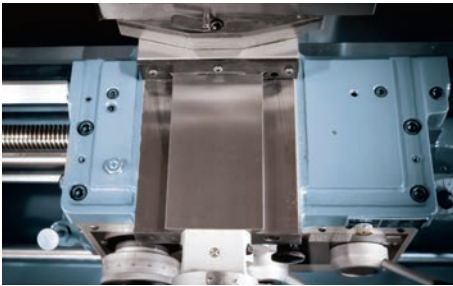
- 3 **Headstock gears**, 12 spindle speeds from 35 -2000 RPM



- 4 **Spindle** with 3 point bearing system



- 5 **Hardened & Ground cross slide way**



- 6 **One piece casting**

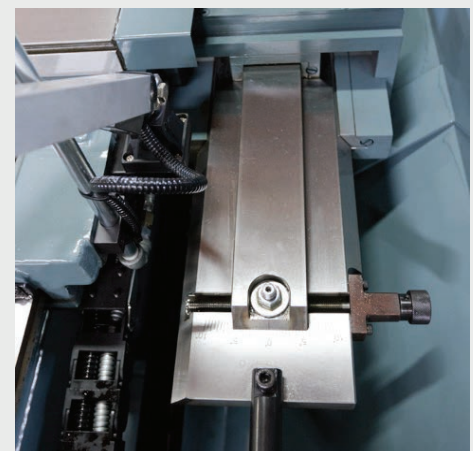


Standard Features

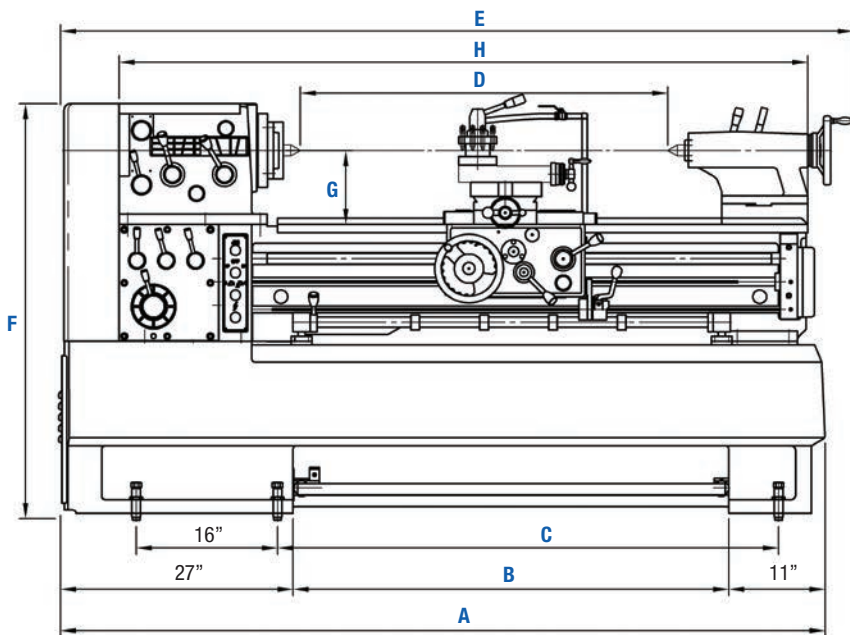
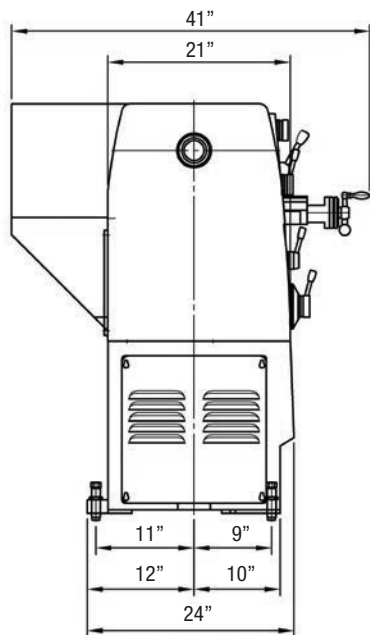
- 7.5 HP Motor for 230V/460V, 3 phase, 60 cycle wiring
- 2.25" spindle bore
- Spindle nose: D1-6
- 4-way tool post, T-slot compound
- 4.7" steady rest with roller jaws
- 10" 3-jaw scroll chuck
- Halogen worklight
- Full length splash guard
- Chuck Guard

Optional Accessories

- Taper attachment
- 6" & 8" Steady rests
- 3.5" Follow rest



Optional Taper



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

Capacity	HJ-1100	HJ-1700
Swing Over Bed		17"
Swing Over Cross Slide		10.56"
Swing in Gap		24"
Distance Between Centers	43.5"	11.75"
Width of Bed		67"
Length in Front of Face Plate		5.875"
Height of Center from Leg Bottom		42.375"
Headstock		
Spindle Bore		2.25"
Taper of Spindle Bore & Center		M.T. #6 x #4
Type of Spindle Nose		D1-6
Number of Spindle Speed		12
Spindle Speed		35-2000 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		ø1.375", 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		5.875"
Maximum Travel of Cross Slide		10.4"
Tailstock		
Tailstock Quill Travel		5.875"
Tailstock Quill Diameter		2.375", #4
Motor		
Main Drive Motor		7.5 HP
Coolant Pump Motor		1/8 HP
Dimension (Floor)	98" x 41"	120" x 41"
Weight	3520 lb	3960 lb



Kingston Machine Tool

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