

Model 4100 HiTorque 7×12 Mini Lathe

The LittleMachineShop.com model 4100 HiTorque 7×12 Mini Lathe is the best in its class. It has the most power, most torque, and a longer center distance than other lathes in its size range.

The 500 Watt (0.67 hp) brushless spindle drive motor provides tremendous low-end torque. And you can vary the speed from 50 RPM to 2500 RPM continuously in both directions. There are no gears to shift.

The cross feed and compound rest dials are graduated in 0.001" and 0.025 mm. The lathe is equipped with a 4-way indexing tool post set for 5/16" (8 mm) tools.

Real top and bottom half-nuts and a reversible 16 TPI lead screw provide extended threading capability. You can create every American Standard Unified class 2A inch screw thread from 4 to 100 threads per inch, and you can create every American Standard Metric class 6h thread from 0.25 to 8 mm pitch with the extra 21 tooth change gear that is included.

The lathe includes a chip tray, a backslash guard, and spreaders to give the feet a broader stance.

- 500 Watt output spindle motor
- No gears in spindle drive
- E-stop safety power switch
- Rear apron shield to keep swarf out
- Cam lock tailstock
- Four-way tool post
- Zero-resettable dials graduated in inches and mm
- Reversible lead screw

Swing	7" (180 mm)
Between Centers	12.2" (310 mm)
Spindle Hole	0.8" (20 mm)
Range of Threads	4-80 TPI (0.3-5 mm)
Shipping Weight	103 lbs (47 kg)
Power	120 V 60 Hz 8 A



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