

HiTorque 7×12 Deluxe Mini Lathe

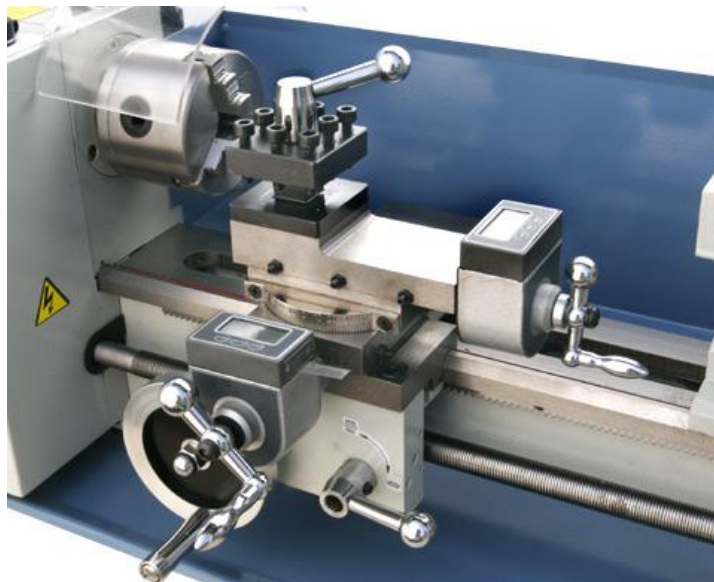
This document describes the features that make the LittleMachineShop.com model 4200 7×12 Mini Lathe a *deluxe* mini lathe.

- Digital position readouts (DRO) on compound rest and cross slide
- Metal hand wheels and chrome levers
- Metal change gears

The metal hand wheels, chrome levers, and metal change gears add functionality and beauty to your lathe. While they look strikingly different, their functions and usage are all as described in the *HiTorque 7×12 Mini Lathe Users Guide*. Refer to that document for instruction and parts list.

Digital Position Readout

HiTorque 7×12 Deluxe Mini Lathe has digital readouts on the compound rest and cross slide.



Initialization

When shipped, the digital readouts have a slip of plastic between the battery and the battery terminal. Pull out this plastic to provide power to the readout. Discard the plastic.

Operation

The readouts are easy to use. There are three buttons: ON/OFF, ZERO, and in/mm.



Button	Function
ON/OFF	Turns the display on and off. Turn the display off when you are not using it to extend battery life.
in/mm	Switches the display between inches and millimeters.
ZERO	Sets the display to zero at the current position.

Tip: These digital readouts do not account for backlash in the feed screw. Always take your readings when you are turning the screw in the same direction. This is not a problem on a lathe, because a single cut will only be made in one direction—in for turning, and out for boring.

Battery Replacement

Each DRO uses a single AG10 watch battery.

1. Remove the two small Phillips head screws from the side of display unit and remove the small plastic plug.
2. Pull the ribbon to remove the battery.
3. Replace the battery, ensuring that the ribbon is behind it.
4. Replace the plastic plug and screws.

Parts List

P/N	Description
2373	Readout, DRO
2371	Retainer, DRO Cross Slide Screw
2368	Screw, DRO Cross Slide
2372	Retainer, DRO Compound Rest Screw
2369	Screw, DRO Compound Rest
2300	Set Screw, M2x4 Slot Cone Point
2370	DRO Accessory Pack