

Model 3990 HiTorque Mini Mill, Solid Column



The LittleMachineShop.com HiTorque Mini Mill is the best in its class. It has the most power, most torque, and a larger table than other mills in its size range. This mill has a solid column; it does not tilt from side to side. This construction is significantly stiffer than mills with a tilting column.

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. There are no gears to shift. And, with no gears, the HiTorque Mini Mill is the quietest in its class.



The large mill table provides 50% more table area than other mini mills. It also has 30% more travel in each direction. The resettable feed dials allow you to zero them at any point.

The HiTorque Mini Mill has drill press handles for drilling and fast motion of the mill's head. It also has Z-axis fine feed with 0.001" resolution for milling operations.

Table Size	18.1" x 4.7" (460 mm x 120 mm)
X, Y, Z Travel	11.8" (300 mm), 5.1" (130 mm), 10.6" (250 mm)
End Milling Capacity	0.6" (16 mm)
Face Milling Capacity	1.2" (30 mm)
Drilling Capacity	0.5" (13 mm)
T-slots	0.47" (12.0 mm)
Shipping Weight	161 lbs (73 kg)
Power	120 V 60 Hz 8 A

- 500 Watt output spindle motor
- Large X-Y table
- R8 Spindle for wide tool availability
- Solid column for extra rigidity
- Dovetail column maintains head alignment at any height
- Fine feed on Z-axis for precise control
- Three radial handles for drilling
- E-stop safety power switch
- Adjustable gibs on all dovetail ways
- Adjustable Z-axis stop for repetitive drilling

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