

# **VEVOR<sup>®</sup>**

**TOUGH TOOLS, HALF PRICE**

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## **MINI METAL LATHE USER MANUAL**

**MODEL:7X12**

We continue to be committed to provide you tools with competitive price. "Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually Saving Half in comparison with the top major brands.

**MODEL:7X2**



(The picture is for reference only, please refer to the actual object)

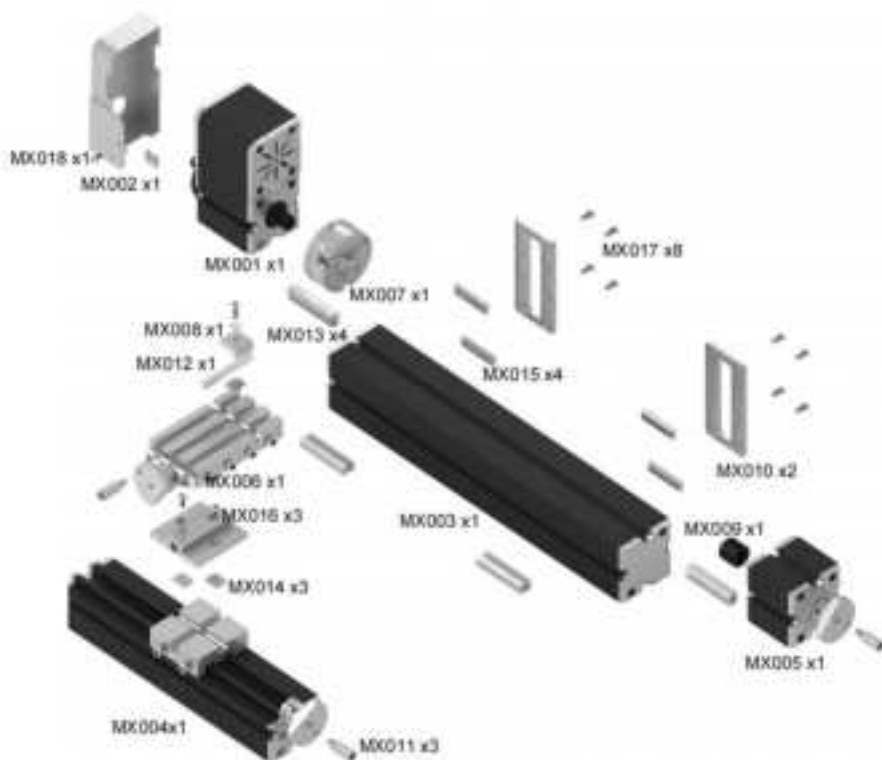
### **NEED HELP? CONTACT US!**

Have product questions? Need technical support? Please feel free to contact us:

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

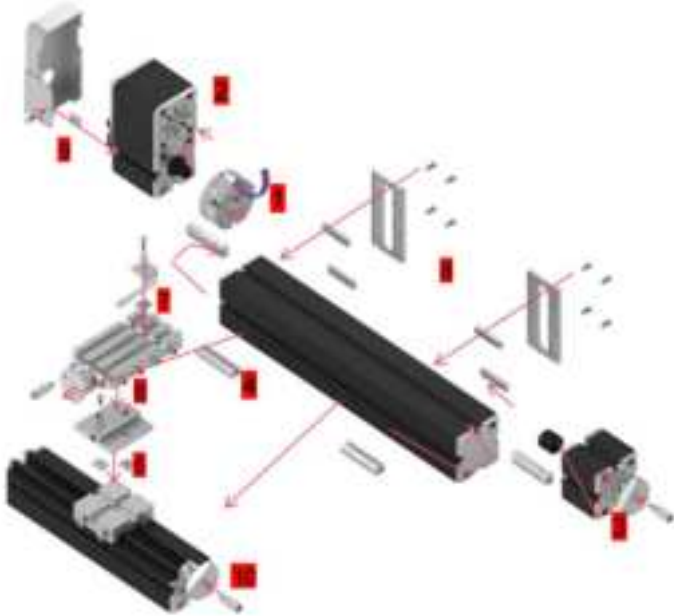
# Part List



Part name	Name
MX-001	Headstock
MX-002	Drive belt Cover
MX-003	Machine Bed (Long)
Mx-004	Longitudinal Slider(Big)
MX-005	Tailstock
MX-006	Cross Slider (Small)
MX-007	Three Jaw Chunk
MX-008	Turning Tool Clamping Jaw
MX-009	Live Center

Part name	Name
MX-010	Stabilizing Plate (Long)
MX-011	Hand Wheel Handle
MX-012	Turning Tool
MX-013	Connection Piece
MX-014	Single Hole Slot Nut
MX-015	Dual Holes Slot Nut
MX-016	Screw M4*6
MX-017	Screw M4*8
MX-018	Screw M4*14

# Assembly Diagram and Procedure



## Detailed Steps & Tips

1. Connect the headstock with long machine bed by connection pieces
2. Screw up the three jaw chuck to the main shaft of headstock
3. Install the tailstock & live center
4. Fix the big slider to long machine bed by two connection pieces
5. Place the small slider base on the top of big slider and fix it by M4\*6 screws & single hole slot nuts
6. Small slider installation
7. Mount the turning tools
8. Screw up the long stabilizing plates
9. Install the drive belt cover
10. Add the handles to hand wheels

## I . Features and Technical Parameter

1. The mini metal lathe is mainly used for processing the outer & inner circles of the work piece, suitable for wood materials and soft metals (aluminum, copper, etc.)
2. The maximum diameter of processed materials is 50mm, length 150mm; three-jaw chuck: internal jaw 30mm, extra jaw 50mm
3. Small slider travels: 45mm, big slider travels: 145mm
4. Small Power Motor speed: 20,000 rpm, input voltage / current / power: 12V / 3A / 36W
5. High Power Motor speed: 12,000 rpm, input voltage / current / power: 12V / 5A / 60W

## II . Mini Metal Lathe Operation

1. Firstly locate the center of work piece by center finder, Use 2 iron rods to unscrew the three-jaw chuck and place one end of the work piece into middle of the chuck. Tighten the chuck and rotate the hand wheel at the other end to push the live center into the center of the work piece tightly. And then, tighten the tailstock and fix the screw, so as to fix the work piece
2. Turn on the lathe, move the small slider in the Y axis direction to control the feed, move the big slider in the X axis direction to control the processing position



### **Notes:**

1. If the work pieces are not concentric and have imaginary circles, remove the outer imaginary circle
2. Tool setting: before processing, insert the turning tool into the turning tool clamping jaw and move the slider to adjust the turning tool into the same horizontal line with the live center & middle of three-jaw chuck

## III. Maintenance and Repair

1. Daily maintenance: After using the machine tools, clean up the machine each time, and add some lubricant at the screw and slider position for the next use
2. FAQ:

No.	Failure	Cause	Solution
1	Not working after turing on	1.Not energized 2.Belt jammed 3.Motor damage	1.Check the power input and output to confirm if power is on 2.Remove the belt cover,adjust the tension of belt 3.After confirm the motor is damaged,notify the factory for after-sales maintenance support
2	Noise getting louder	Belt getting too tight	Adjust the belt tension
3	Difficult to feed	1.Operation method is wrong 2.Feed rate is too big 3.The woodturning tool is blunt & worn	1.Use right operation method 2.Adjust the feed rate,grinding by multiple times 3.Repair the woodturning tool by sharpening
4	When processing, it suddenly become unable to cut & trim	1.The belt is aged&broken 2.Drive center becomes loose or slipping	1.Replace the belt 2.Remove the drive center fixing screw,reinstall the drive center or re-strike in the work piece

	<p>Warning-To reduce the risk of injury, user must read instructions manual carefully.</p>
	<p>This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheeled bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices</p>

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