

Revo 10/14 Lathe Features and Details



Headstock

1. Cast Iron Headstock
2. Digital Readout (DRO)
3. Forward/Reverse Switch
4. On/Off Switch
5. Electronic Speed Control Knob
6. Ergonomic control panel is tilted toward the operator for ease of use
7. Projected nose cone for wider spindle bearing spacing and additional tool clearance around workpiece.
8. Heat treated spindle
9. Wide handwheel
10. In-head indexing pin
11. Window to view belt position



The headstock is made of cast iron for stability and vibration dampening. It features a projected nose cone for wider bearing spacing for the spindle and it provides more clearance for turning tools around the workpiece.

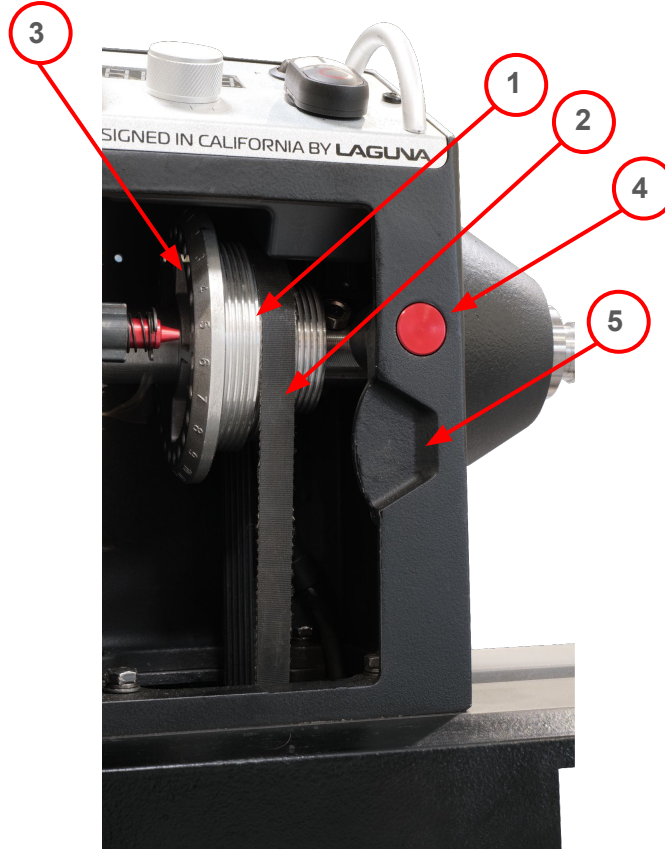
The control panel is angled toward the operator for ease of access to the controls and display. The two protective handles prevent inadvertent changes of the controls.

The Digital Readout displays the RPM in forward or reverse. It flashes when in reverse to alert the operator of the spindle direction.

The handwheel is 4- $\frac{5}{8}$ " wide and provides excellent grip to rotate the spindle when installing the included faceplate or an optional chuck.

The spindle is heat-treated for durability and uses standard 1" x 8 TPI threads and MT #2 taper.

Headstock (cont.)



1. Three-step pulley
2. Poly-groove belt
3. In-head indexing ring
4. Push-button Spindle Lock
5. Door Latch Opening

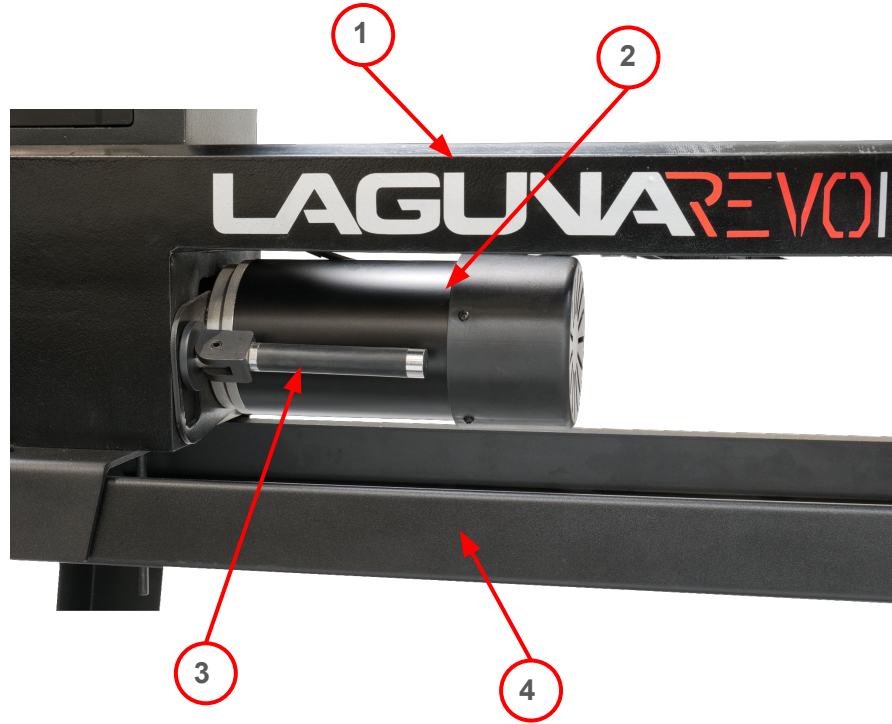
The three-step drive pulley keeps the lathe in the right speed and torque range for the size of workpiece. Final speed control is electronically controlled by the speed knob on the control panel.

The spindle pulley is connected to the matching motor pulley by a poly-groove flat drive belt for excellent grip.

The left end of the pulley is drilled and marked for the in-head indexing system which is used for evenly spaced details around the workpiece.

The hinged belt door fits into a recess for the finger latch.

Motor



1. Cast Iron Bed
2. PWM Motor
3. Belt Tension Handle
4. Optional Stand

The headstock, banjo, tailstock, and motor are all supported by the cast-iron bed. The cast iron bed can be mounted to the user's workbench or on the optional height-adjustable work stand.

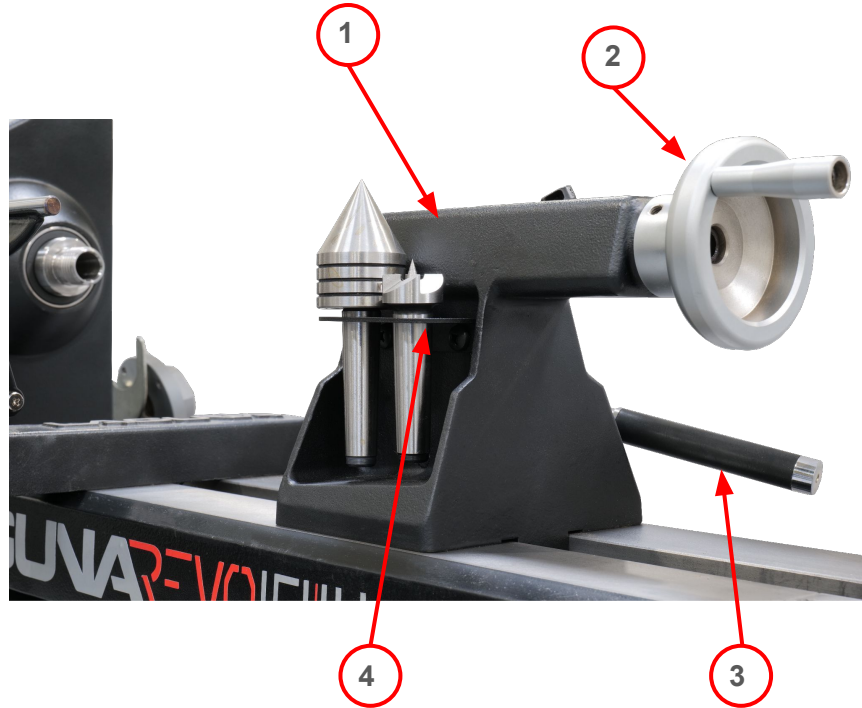
The motor uses PWM (pulse width modulation) control to regulate the motor speed. .

The belt tension handle swivels outward then rotates to tension or de-tension the drive belt to change between the three pulley steps.

The optional stand is height-adjustable to allow users to select the height that is most comfortable for them.

Tailstock

1. Cast Iron Tailstock Body
2. Tailstock Quill Handwheel
3. Padded Tailstock Handle
4. On-board Storage Rack for Live Center and Spur Drive



The tailstock body is made of cast iron and has a wide base that spans the full width of the lathe bed for maximum support.

The tailstock quill is controlled by the handwheel. The quill is etched with graduation marks in inches and mm. The quill has 3.5" travel (92 mm)

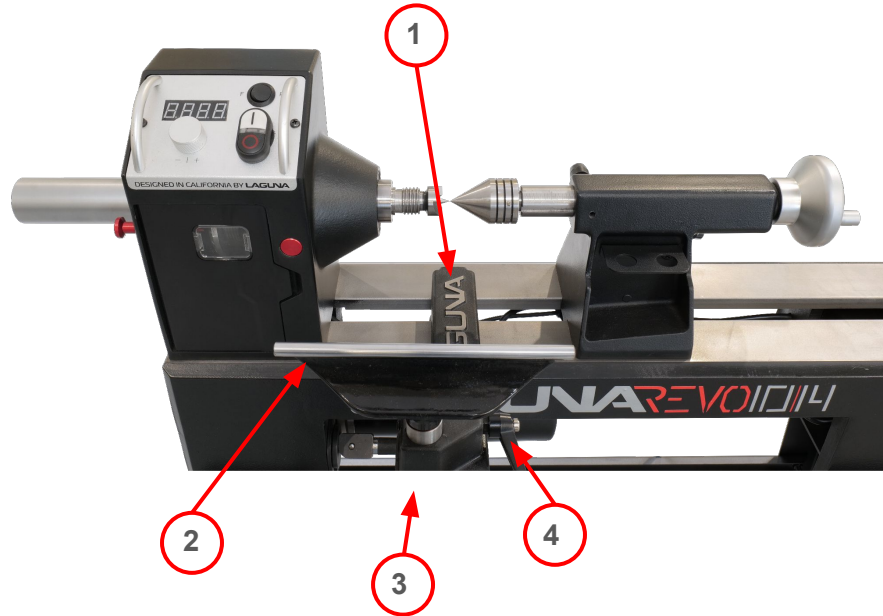
The tailstock can be positioned along the length of the bed and then locked in place using the padded lock handle.

The luxury live center and spur drive can be stored in the built-in rack on the tailstock.

The live center is "self-ejecting" when retracting the quill all the way.

Banjo and Toolrest

1. Cast Iron Banjo
2. Toolrest with Hardened Leading Edge
3. Padded Banjo Handle
4. Toolrest Lock Handle



The banjo is made of cast iron and can slide the full length of the lathe bed. The banjo supports the toolrest assembly

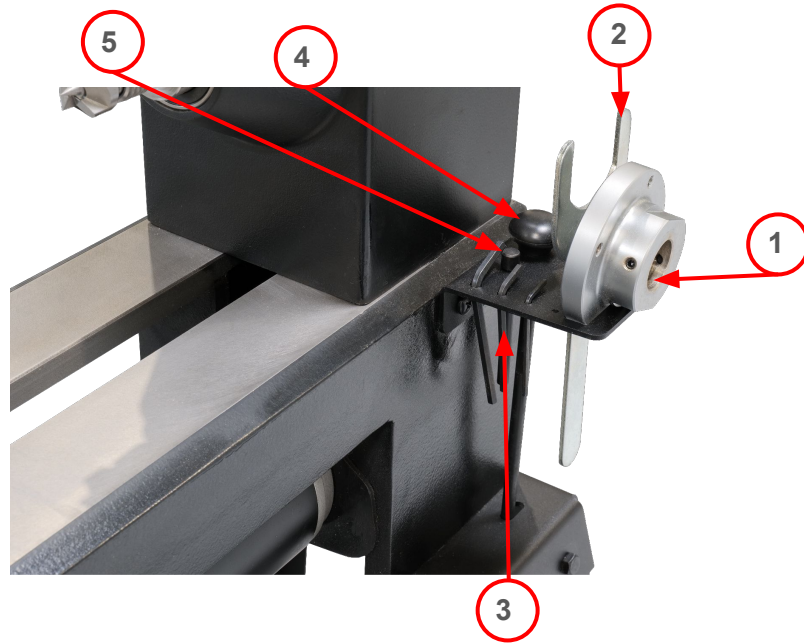
The toolrest is supported by a 1" diameter steel post and features a hardened steel leading edge for durability and ease of tool movement along the toolrest.

The banjo locks in place using the same style padded handle as the tailstock uses. (not shown)

The toolrest is locked in place after adjustment using the ratcheting lock handle.

Standard Accessories

1. 3" Faceplate
2. Faceplate Wrench
3. Allen Wrenches
4. Knock Out Bar
5. Spur Drive Center Pin



The standard accessories are conveniently located in the rack positioned on the back side of the bed behind the headstock.

Accessories include a 3" faceplate, faceplate wrench, Allen wrenches, knock out bar to remove spur drive, and pin to remove center point on spur drive.

Standard 120 volt outlet provided under bed for optional LED worklight.

Optional Accessories

1. Adjustable Stand
2. Retractable Wheel Kit
3. Bed Extension
4. LED Work Lights
5. Tool Rests



The optional stand is height-adjustable so that the user can select the height that is most comfortable for them.

The optional wheel system features retractable wheels so the lathe will sit level on the floor when retracted.

The cast-iron bed extension provides additional 13" length for spindle turning.

LED lights are available in 3 types (spinelock, can style, and bar light style). Optional light brackets and magnetic bases are also available.

Optional tool rests are available in 3 lengths. All use 1" post size and have hardened steel leading edges.