A conventional quick-change tool head design allows operators to quickly change the setup from rotors to drums. Up-front controls are designed for minimal operator movement. A handy tool tray is located near the working end of the machine so you can keep your favorite brake lathe tooling within easy reach.

STANDARD HEAVY-DUTY BENCH

While others charge extra, we include this sturdy steel bench with large tool storage backboards allowing you to hang all adapters within easy reach. A durable, multi-compartment toolbox provides storage for adapters and accessories. Large chip “catch” funnel and chip bin keeps work area clean and safe.

SAFE AND EASY TO USE

Our sensible ergonomic design means easier operation and allows you to work quickly and efficiently. Simple, up-front controls are designed for minimal operator movement. Large bench with tool storage boards provide ample space for accessories and tooling.

A PROVEN DESIGN THAT PERFORMS YEAR AFTER YEAR

Since its introduction nearly forty decades ago, the design of our RL8500 has been a favorite among brake technicians everywhere for its simplicity, quickness and precision. It features our twin-cutter tool head with micrometer dials and executes quick rotor to drum changeovers. An infinitely adjustable spindle-feed gear box provides variable speed settings providing finish cuts that meet or exceed factory specs. Our positive rake tooling yields one-pass finish cuts every time and a standard 1” arbor provides you a multitude of tooling and adapter choices from either Ranger® or other aftermarket suppliers.

QUICK-CHANGE ADAPTER PLUS SYSTEM

Our Quick-Change Adapter Plus system eliminates the need for conventional bell clamps and cones and features built-in springs so you don’t lose them. This system fits foreign and domestic car and light truck hubless drums and rotors with 1/2” to 4” center-holes and composite rotors with 4” to 6 1/4” center-holes.

Adapter package also includes micro-dial twin tool cutter, boring bar, hubless adapters, backing plates, tapered collets, centering cones, self-aligning spacer, drum silencer, universal silencer band, wrenches and safety shield.

EASILY CHANGE FROM ROTORS TO DRUMS

Quick Rotor to Drum Changeover


Ranger® brake lathes are easy to operate and durable enough to withstand every day abuse, especially in a busy shop environment. A massive cast iron body, forged, hardened and precision ground components and a massive floating spindle make this one of the toughest, most dependable and trouble-free machines you will ever own.

www.rangerproducts.com

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1645 Lemonwood Drive • Santa Paula, CA 93060 • USA
Tel: 1-805-933-9970 • Toll Free: 800-253-2363 • Fax: 1-805-933-9160

The design, material and specifications are subject to change without notice. Always follow the instructions and safety guidelines accompanying this product for safe and proper operation.

ENGINEERED by RANGER PRODUCTS USA • MADE in CHINA

Warning

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Standard Heavy-duty Bench

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Quick-change adapter plus system

Our Quick-Change Adapter Plus system eliminates the need for conventional bell clamps and cones and features built-in springs so you don’t lose them. This system fits foreign and domestic car and light truck hubless drums and rotors with 2-5/32” to 4” center-holes and composite rotors with center-holes 4” to 6 1/4”.

Adapter package also includes micro-dial twin tool cutter, boring bar, hubless adapters, backing plates, tapered collets, centering cones, self-aligning spacer, drum silencer, universal silencer band, wrenches and safety shield.

Precision Combination Brake Lathe

RL8500

Rotors
Drums
Flywheels


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Provides a FASTER, more ACCURATE and EASIER resurfacing capability THAN any OTHER brake lathe in its class.

An infinitely variable speed controller means you’re able to turn rotors and drums faster and get one-cut micro-finish performance every time you use it. The complete lathe package includes lathe, sturdy bench, and large tool storage backboards allowing you to hang all adapters within easy reach.

CUTTING EDGE DESIGN FEATURES

- Rather than mechanically-driven transmission and gears, the RL8500 uses precision DC servo motors designed to meet the demanding requirements of industrial motion control.
- Our Quick-Change Adapter Plus System eliminates the need for expensive bell clamps and cones and features built-in spindles so you don’t have them. Works on foreign and domestic cars and trucks.
- The RL8500 is equipped with 2 almost identical dc motors that help increase your service capability,like precision twin cutter tools and a quick adapter to drum changeover.
- Infinitely variable adapters and cross feed speed settings allow for quick rough and precision finish cuts.
- Simple ergonomic controls are designed for minimal operator movement.
- The RL8500 maintains accuracy year after year thanks to rugged construction like a forged, hardened and precision ground spindle that resists groove formation and eliminates the need for bells.
- Double-ended boring bar adapters offer superior weight support during operation.
- An independent cross-feed motor eliminates the need for plastic or bronze shear-gears which are expensive and timely to replace.
- A convenient top storage tray means your popular adapters and tools are kept within easy reach.
- Separate motors on the drum and rotor feed help maximize drum and rotor feed rate and eliminates the need for specialty cutting tools or adapters.
- Our 450-pound cast iron body and a solid work bench means you can turn off or start your work lighted by durable work lamps.
- A large chip “catch” funnel and bin keeps your work area clean and safe.

WORK BENCH

- Our Deluxe standard adapter package includes a Quick-Change hubless adapter system that makes mounting rotors and drums quick and easy. A variety of adapters and tools are kept within easy reach.
- A forged, hardened and precision ground spindle eliminates transferred vibrations leaving an irregular machined surface and increases user safety.
- Our Deluxe standard adapter package includes a Quick-Change hubless adapter system that makes mounting rotors and drums quick and easy. A variety of adapters and tools are kept within easy reach.
- Dual voltage motor (110V-220V, 50/60Hz, 1-phase)
- Optional Truck Adapter Kit

Incredible independent DC motors eliminate complex mechanical gear boxes and transmissions typically found on mechanically-driven lathes. By removing these components, you reduce service and repair costs dramatically over the term of ownership and eradicate vibration and chatter typically transferred to the tool-tip leaving an irregular machined finish. Infinitely adjustable feed rates offers the ability to easily adjust cut speeds whether speeding through an initial rough cut or performing a one-pass micro-finish.

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Uses VARIABLE-SPEED DC serve motors to control the CROSS FEED and SPINDLE FEED drives.

Specifications

<table>
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<tr>
<th>Standard Tooling Package</th>
<th>Optional Truck Adapter Kit</th>
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<td>5”-7” Adapter 4-1/2”</td>
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<td>5”-7” 6K</td>
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<tr>
<td>2”-3” 8K</td>
<td>5”-7” Adapter 2”-3”</td>
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Built To Last

Industries require extremely fast and precise turnarounds, and the RL8500 can deal with them. It is made with our positive components, which are durable and built to last.

Variable Speeds

A 450-pound cast iron body and precision ground components.

Durable Work Lamps

A soft, simple knob allows you to turn on or off your work lighted.

Simple Convenience

The RL8500 is equipped with features that help increase your service capability, like precision twin cutter tools and a quick adapter to drum changeover.

One Cut Finish

A forged, hardened and precision ground spindle eliminates transferred vibrations leaving an irregular machined surface and increases user safety.

Let the Chips Fly

A large chip “catch” funnel and bin keeps your work area clean and safe.

DESIGNED with the FEATURES and performance YOU NEED.

The legendary control of our RL8500 makes it easy to learn and simple to operate making it the soundest investment you’ve ever considered, and providing more utility, flexibility and productivity than you’ve ever imagined. The RL8500 is flexible enough for both high-torque, heavy-duty cutting as well as your finest one-pass finish cut operations.