Hunter OCL Brake Lathes
Hub-Mounted Rotor Lathes

Increase Production, Reduce Comebacks With Innovative Lathe Technology From Hunter

NEW Reverse Rotation Feature!
OCL400 Series On-Car Rotor Lathe

1. The Reverse Rotation** feature allows for the servicing of vehicles when excess drag on the vehicle driveline prevents normal on-car operation.

2. Exclusive ServoDrive* system provides variable speed and rotational torque during computerized compensation and rotor machining.

3. Pro-Comp® computerized compensation** adjusts for lateral runout with a push of a button and a simple single-point adjustment.

4. ACT (Anti-Chatter Technology)** oscillates spindle speed to eliminate chatter and provide a smooth surface finish.

5. Large 1.5-hp motors easily service 4WD vehicles (OCL410) or medium-duty front and rear truck rotors (OCL430MD).

6. Dual-sided tool holders** (standard on OCL410 models) accept both micro-round and positive rake cutting inserts to allow the operator to switch the type of cutting tool with a quick flip of the holder.

7. Long-life .0125-inch micro-round cutting inserts withstand “crashes” and heavy cuts, removing up to .040 inches per side in one pass.

8. Positive rake .060-inch inserts can be used to improve surface finish quality on lower cost rotors, rusty rotors or rotors with interrupted cuts.

9. Offset cutting arm is freely adjustable when lathe is rotated 180° for servicing opposite side of vehicle. No need for unbolting, removing and reinstalling cutter head.

10. Rugged I-beam construction is more rigid than “dovetail” slide designs. Slide location outside the vehicle fender is isolated from brake chips and dirt build-up.

11. Pivoting control module, exclusive twin-cutter design and easily accessible adjustment controls allow adjustment in same manner right side up or upside down.

OCL410 for Cars and Light-Trucks

The Reverse Rotation switch cover must remain in “UP” position for reverse rotation. Closing the cover will cause the lathe to return to standard rotation.

*Patented  **Patent Pending  † Based on operator selected spindle speed, vehicle application and workpiece rigidity.
OCL430MD for Medium-Duty Trucks

Panel display reads right side up no matter which way the lathe is rotated. Adjustment controls can be accessed easily from outside the fender well.
# OCL400 Series Feature Comparison

## OCL410 vs OCL430MD

<table>
<thead>
<tr>
<th>Feature</th>
<th>OCL410</th>
<th>OCL430MD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large cutting arm and rigid tool holders</td>
<td>Large cutting arm and rigid tool holders handle rotors up to 15.75 inches in diameter and 2.75 inches in thickness.</td>
<td>Heavy-duty cutting arm and tool holders handle rotors up to 17.5 inches in diameter and up to 3.5 inches in thickness.</td>
</tr>
<tr>
<td>Rigid I-beam slide tool feed design.</td>
<td>Rigid I-beam slide tool feed design.</td>
<td>A more robust I-beam slide and main housing support the precision machining of medium-duty, commercial-grade rotors.</td>
</tr>
<tr>
<td>Large 1.5-hp motor for easy service</td>
<td>Large 1.5-hp motor for easy service of 4WD vehicles.</td>
<td>Heavy-duty 1.5-hp, 230VAC, 50-60 Hz, 9-Amp motor handles medium-duty front and rear truck rotors.</td>
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</table>

## OCL430MD For Medium-Duty Trucks and Commercial Vehicles

The OCL430MD is the ideal solution for shops that service medium-duty trucks and commercial vehicles exclusively or as a significant part of their business. It offers all of the speed and productivity features of the Hunter OCL410 brake lathe, but adds heavy-duty design features, components, rotor size capacity and power.

The OCL430MD trolley provides an extended low-to-high working range required for servicing vehicles when a lift rack is not available or practical. A full selection of adaptors and accessories to match medium-duty, commercial-grade vehicle hub and rotor OE specifications is available from Hunter.
The patented ServoDrive variable drive system enables technicians to service rotors in half the time of other on-car lathes by providing variable speed and rotational torque during compensation and machining. Technicians can resurface rotors at the fastest possible speed and change speeds on the fly.

Powered by a high-torque motor and the easy-to-use reverse rotation feature, the ServoDrive system capably handles the servicing of rear locking differentials that are popular on today’s light trucks and SUVs, all without the need to remove or disengage drive line components!

Exclusive Hunter intermittent tool feed produces a non-directional cutting pattern of interrupted arcs, which eliminates radial “push-out” effect that continuous feed units present.

Surface finish quality remains consistent regardless of changes to cutting speed during machining.

Model Shown
OCL410-LT-PRO
Anti-Chatter Technology

Exclusive Anti-Chatter Technology Provides Superior Finish

The Hunter Anti-Chatter Technology (ACT)** feature oscillates the machining speed of the lathe and eliminates the buildup of vibration (chatter) that can occur when machining at a fixed speed. ACT provides a smoother finish that prevents pedal pulsation - the number one cause of brake service customer “comebacks”.

Fixed-Speed Machining

Fixed-speed lathes can “tune in” to the natural frequency of a rotor during machining, causing vibration (chatter) and a poor surface finish.

Variable Speed Machining

With the push of a button, ACT begins oscillating the spindle speed of the lathe, eliminating chatter and providing a smooth surface finish.

**Patent Pending
Runout Compensation Methods

Pro-Comp Computerized Compensation**

Speeds OCL400 Series Operations

With a push of a button and a simple single-point adjustment, the OCL410 and OCL430MD quickly compensate for lateral runout. Compensation is greatly simplified, no longer requiring time-consuming dial indicators or special tools. This ensures your brake service technician is machining the rotor within OEM specifications.

Service Each Rotor in Less Than 9 Minutes!

Step 1: Attach adaptor and lathe.

Step 2: Press button for computerized compensation and make a simple single-point adjustment.

Step 3: Adjust cut depth and machine rotor with “on-the-fly” optimum speed.

Service Complete!

Manual Single-Point Compensation
Model OCL360S

Compensation of the hub, adaptor and lathe is achieved with a single-point adjustment. The compensation process adjusting time is simplified and reduced.

Manual Three-Point Compensation
Model OCL360

Manual three-point runout compensation is accomplished at the adaptor. The lathe is then attached and the rotor machined.

Note: The ACT, Pro-Comp, Reverse Rotation and ServoDrive features are not available on OCL360 and OCL360S models.

**Patent Pending
### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>OCL430MD</th>
<th>OCL410</th>
<th>OCL360</th>
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</thead>
<tbody>
<tr>
<td><strong>Rotor Maximum</strong></td>
<td></td>
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<tr>
<td>Diameter:</td>
<td>17.5&quot; (445 mm)</td>
<td>15.75&quot; (400 mm)</td>
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<tr>
<td>Width:</td>
<td>3.5&quot; (89 mm)</td>
<td>2.75&quot; (70 mm)</td>
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<tr>
<td><strong>Feed Distance</strong></td>
<td>5.75&quot; (146 mm)</td>
<td>4.3&quot; (110 mm)</td>
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<tr>
<td><strong>Spindle Speed</strong></td>
<td>Adjustable and Automatically Variable (ACT), 0-120 rpm</td>
<td>65 rpm</td>
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</tr>
<tr>
<td><strong>Motor Power</strong></td>
<td>1.5 hp (1.12 kw) @ 3,450 rpm</td>
<td>1.5 hp (1.12 kw) @ 3,600 rpm</td>
<td>1 hp (.75 kw) @ 1,730 rpm</td>
</tr>
<tr>
<td><strong>Power Requirements</strong></td>
<td>230VAC single phase 50-60 Hz, 9 Amp, NEMA L6-20P</td>
<td>115VAC, 60 Hz, 15 Amp, NEMA L5-15P (230V, 50-60 Hz optional)</td>
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<tr>
<td><strong>Overall Dimensions</strong></td>
<td>34.5&quot; L x 35&quot; W x 15&quot; H (876 mm x 457 mm x 229 mm)</td>
<td>27&quot; L x 20&quot; W x 15&quot; H (680 mm x 570 mm x 370 mm)</td>
<td></td>
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<tr>
<td><strong>Trolley-Lathe Centerline Operation Range:</strong></td>
<td>High Position: 32&quot; - 45&quot; (813 mm - 1143 mm)</td>
<td>High Position: 32&quot; - 45&quot; (813 mm - 1143 mm)</td>
<td>Low Position: 22&quot; - 32&quot; (559 mm - 813 mm)</td>
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<tr>
<td><strong>Shipping Weight</strong></td>
<td>328 lbs. (149 kg)</td>
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<td>250 lbs. (113 kg)</td>
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† Some specifications may vary depending on options chosen and application fitment.

### OCL Lathe Packages

<table>
<thead>
<tr>
<th>OCL LATHE COVERAGE</th>
<th>Most Passenger Cars</th>
<th>Most Light Trucks</th>
<th>Most Light Trucks Up to 1 Ton</th>
<th>VEHICLE APPLICATIONS*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MODELS</strong></td>
<td></td>
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<td></td>
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<tr>
<td>OCL410</td>
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<tr>
<td>OCL360S</td>
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<td>OCL360</td>
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<tr>
<td>OCL410-LT-PRO</td>
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<tr>
<td>OCL410A</td>
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<tr>
<td>OCL430MD</td>
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*The LT-PRO Kit increases the wide range of vehicle applications covered in the Standard Adaptor Kit. Other personalized application packages are available through your authorized local Hunter Representative.

†† See Hunter Form 3947-T for a complete list of individual adaptors or adaptor kits and packages.

For adaptors and additional accessories, see Form 3947-T and Form 5144-T. Video presentation, Form 5087-T. Video operation, Form 5302-T.

Because of continuing technological advancements, specifications, models and options are subject to change without notice.

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