

# BL Series Brake Lathe

Industry-leading combination bench lathe



# Key features at a glance

## ACT Anti-Chatter Technology

OPTIONAL (PATENTED)

- ✓ Oscillates machining speed to prevent buildup of vibration (chatter)
- ✓ No bands or other devices required

OPTIONAL

## Digi-Cal instantly measures workpiece dimensions



- ✓ Quickly determines if workpiece should be discarded prior to machining
- ✓ Accurately determines depth of cut
- ✓ Helps technicians perform one-cut service with confidence
- ✓ No handheld tools required



OPTIONAL

## NEW! Tablet Interface

- ✓ Instant access to minimum rotor thickness specs
- ✓ Convenient thickness and depth cut display
- ✓ Connect to HunterNet®!
- ✓ On-board operation videos



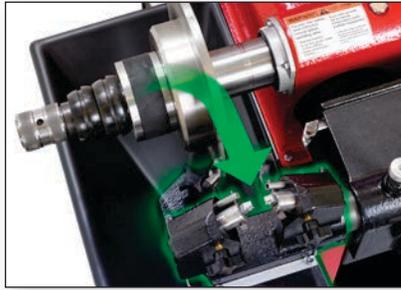
## BL73

Includes tablet interface, ACT / Digi-Cal 2.0 package, rotor capability, bench and dust collection hood. Shown with optional adaptors.



## Self-Aligning Nut

- ✓ Speeds setup
- ✓ Prevents over-tightening and mounting errors



**STANDARD**

### Quick Change

- ✓ Twin cutters pivot to quickly change from rotors to drums
- ✓ No storing of cutting head required



**STANDARD**

### Disc/Drum Control Lockout

- ✓ Eliminates potential "crashing" of machine
- ✓ Warning indication reminder



**STANDARD**

### Dual LED Work Lamps

- ✓ Adjustable lamps illuminate both sides of workpiece
- ✓ Easy push button control



**STANDARD**

### Adjustable Feed Rate

- ✓ Dial fast for rapid removal or slow for final surface finish
- ✓ One-cut pass capable



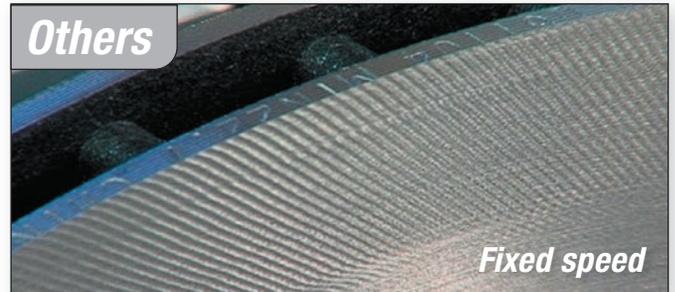
**OPTIONAL**

### Push button speed control

- ✓ Push button control with three working speeds
- ✓ Eliminates belt changes

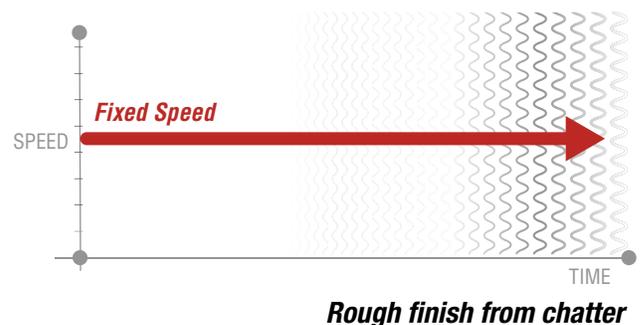
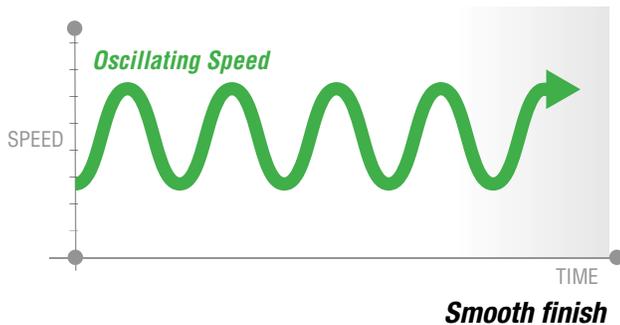
# Anti-Chatter Technology with Digi-Cal 2.0

*Anti-Chatter Technology eliminates buildup of vibration — stop chatter before it starts!*



Anti-Chatter Technology (ACT) varies spindle speed to keep chatter inducing vibration from starting, resulting in a smoother surface finish.

Chatter can start when machining rotors at a fixed speed. This is similar to how a moistened finger can make a crystal glass sing.



## *Digi-Cal 2.0 instantly measures workpiece dimensions*

- ✓ Quickly determines if workpiece should be discarded prior to machining
- ✓ Instantly measures drum or rotor dimensions and accurately determines depth of cut
- ✓ Calibration holds after power cycling



# Tablet interface

with HunterNet<sup>®</sup> connectivity

## NEW OPTION

- ✓ Compare thickness and diameter to OE specs
- ✓ On-screen messages and animations make technicians more efficient
- ✓ Bit Minder tracks bit usage
- ✓ Training videos, multiple languages and more!



# Convenient adjustment and calibration

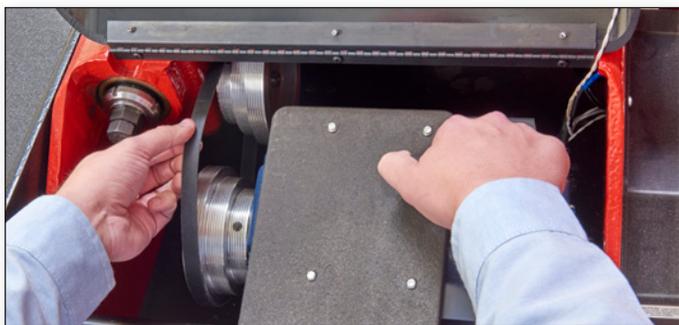
## Speed control options



ACT / DIGI-CAL 2.0 PACKAGE

### Push button speed

- ✓ Push button control with three working speeds



STANDARD

### Adjustable Spindle Speeds

- ✓ Provides correct speed for all size workpieces
- ✓ No tools required

## Change from rotors to drums in seconds!



Change from rotors to drums...



... by loosening clamp screw, removing rotor setup, rotating twin cutter...



... set up drum service assembly and extend drum boring bar.

DRUM ONLY MACHINES ALSO AVAILABLE

# Heavy-duty bench option makes brake service fast and easy

- ✓ Heavy gauge, all-steel construction gives extra stability
- ✓ Rear backboard stores frequently-used adaptors within easy reach
- ✓ Large chip collection funnel keeps debris off the floor



Bench includes standard storage drawer and convenient document holder.



## BL71

Includes tablet interface, ACT / Digi-Cal 2.0 package, rotor capability, and bench. Shown with optional adaptors.

## OPTIONAL

### Dust Containment System\*

- ✓ Designed to contain brake machining dust and metal particles
- ✓ Access window allows easy viewing of work piece during machining



\* Requires a conventional shop vacuum with 2.5" inlet hose. (Not supplied.)

# Expand the range of your vehicle applications with additional accessories from Hunter

**PATENTED**

## Hunter Passenger Car and Light Truck Adaptor Kits



Customize your Hunter BL series lathe to match your service needs. Select the appropriate adaptor kit to service most rotors, drums and flywheels.

### Basic Adaptor Kit

20-1665-1

Consists of hubbed and hubless adaptors covering a range of applications fitting most passenger car rotors, drums and flywheels, including composites.



### Dual QuickChuck™ Adaptor Kit

20-2614-1

Consists of hubbed and hubless adaptors and three-jaw chuck mounting system. Covers a wide range of applications for most rotors, drums and flywheels for passenger cars, light trucks and larger light trucks.



### Elite Cone Adaptor Kit

20-2615-1

Consists of hubbed and hubless adaptors covering a wide range of applications for most passenger cars, light truck and larger light trucks, including composites.



**STANDARD**

### Wrenchless self-aligning nut

76-377-2

- ✓ Eliminates over-torquing arbor nut
- ✓ Works as arbor spacer and nut



### Dual QuickChuck™ adaptor

175-423-2

- ✓ Ideal for use with hubless drums
- ✓ Quick setup with unparalleled centering ability



# Specifications\*

## Rotor

Diameter:	6" to 22" *
Maximum Width:	5-3/8"
Maximum Thickness:	2"

## Drum

Diameter:	6" to 24" *
Maximum Width:	8"

## Maximum Weight on 1" arbor:

200 lbs.

**Spindle Speed(s):** 85, 110, 175 rpm

**Feed Rate:** .002 to .014 in/rev (infinitely variable)

**Motor:** 1.5 hp

**Power Requirements:** 115/230 V, 15/7.5 amp, 50/60 Hz, 1ph

**Shipping Weight:** 488 lbs. (approx.)

\* The max rotor and drum diameter is 19.5" with the hood installed.



# Popular Models

**BL73** Tablet interface, Disc / Drum lathe with ACT / Digi-Cal 2.0, bench and dust collection system

**BL61** Tablet interface, Drum-only lathe with ACT / Digi-Cal 2.0 and bench

**BL01** Drum-only lathe with bench



BL73



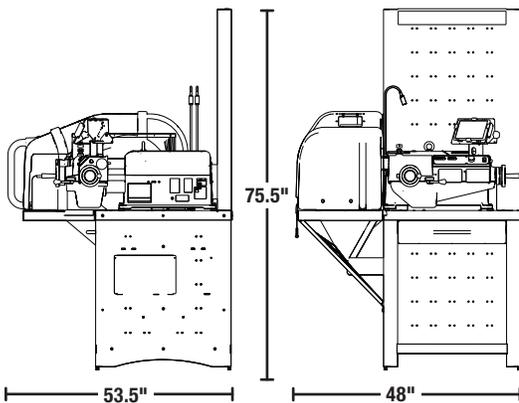
BL61



BL01

# Models

	BL73	BL71	BL70	BL63	BL61	BL60	BL13	BL11	BL10	BL03	BL01	BL00
Tablet	✓	✓	✓	✓	✓	✓						
Rotor Capability	✓	✓	✓				✓	✓	✓			
ACT/Digi-Cal 2.0	✓	✓	✓	✓	✓	✓						
Bench	✓	✓		✓	✓		✓	✓		✓	✓	
Dust Collection Hood	✓			✓			✓			✓		



\* Some specifications may vary depending upon workpiece configurations or may require optional adaptors.

Be sure to check out other literature for more quality products from Hunter Engineering.



# HUNTER Engineering Company

[www.hunter.com](http://www.hunter.com)