



# Model 4000E Brake Lathe

The 4000E is the ultimate in finish control right at your fingertips from the leader in brake service.

## Total Control.

Rotor refinishing is more complex today than ever before. So it's critical that speed and feed combinations be optimized to provide the best. Now you have control over the entire process and can make adjustments that, before now, were only dreamed about. Plus, the 4000E is the easiest to use and most ergonomic lathe on the market. Even new operators can quickly turn rotors perfectly like seasoned professionals.

## Custom Digital Finishes.

That's right, welcome to the age of digital refinishing. The Ammco 4000E is easily adaptable to any rotor or drum material available today... or tomorrow. By digitally controlling the feed rates, it's easier to find that sweet spot for your particular application that gives you the highest possible quality finish available. Integrated positive rake tool bits allow for precision turning, with reduced chatter to produce superior machined surfaces every time.

## Shift On The Fly.

The 4000E is the first lathe with an integrated synchronous gearbox and shifter. Now you can choose the speed that makes the most sense for your workpiece, right at your fingertips. No more awkward reaching behind the machine for adjustments.

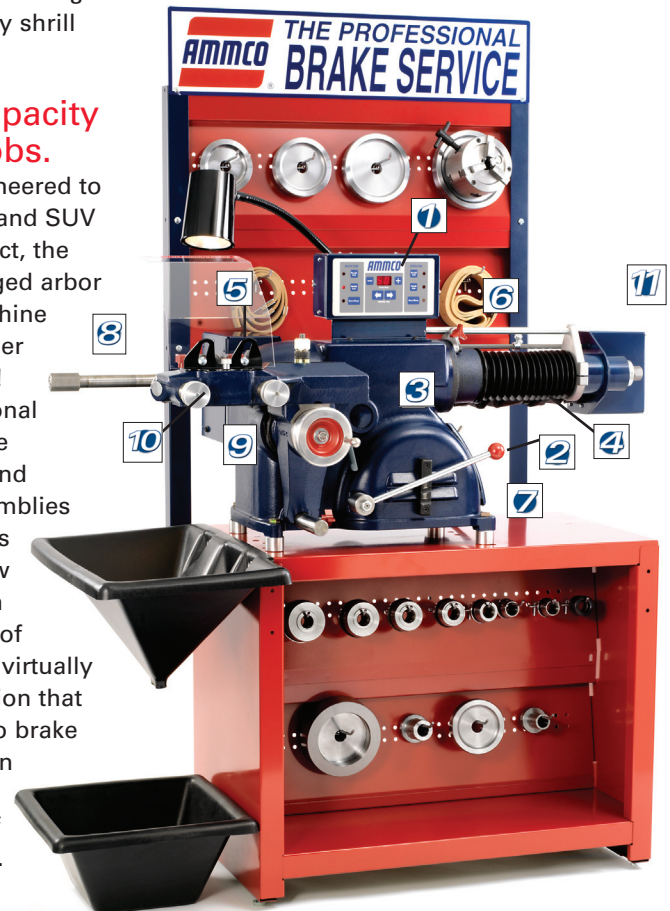
And its perfect for taming those unexpectedly shrill composite rotors.

## Increased Capacity for Larger Jobs.

The 4000E is engineered to handle light truck and SUV applications. In fact, the one-inch, heat forged arbor allows you to machine those larger, heavier jobs up to 200 lbs! And with the optional "F" adapter kit, the range of heavier and splined rotor assemblies you can machine is very wide. So now you can service an increased volume of heavier work, and virtually any other application that rolls in. All Ammco brake lathes are precision tools that cut to one-thousandth of an inch tolerances.

With today's more sensitive vehicles, this helps ensure customers get smooth braking and complete satisfaction.

- 1 Custom Digital Finishes**  
By digitally controlling the feed rates, it's easier to find that sweet spot for your particular application. This gives you the highest possible quality finish available.
- 2 Shift On The Fly 3 Speed**  
The 4000E is the first lathe with an integrated synchronous gearbox and shifter. Now you can choose the speed that makes the most sense for your workpiece, right at your fingertips.
- 3 Forged Alloy Steel Arbor**  
Two tapered mounting surfaces add stability and handle up to 200 lbs.
- 4 Feed Slide Protection**  
Keeps travel surfaces free of dirt and chips.
- 5 Positive Rake Tool Bits**  
Positive rake tool bits allow for low pressure precision turning that produces superior machined surfaces every time with less chatter. Negative rake tool bits are also included.
- 6 Patented Floating Spindle Design**  
Extra large bronze bearings reduce pressure and wear. Larger drive gear adds life.
- 7 Patented Positive Oiling System**  
Constant lubrication when switched on. No metal-to-metal contact between bearing and spindle. Reduces wear for longer life.
- 8 Rigid 44-Pound Spindle**  
Has the strength for long-term precision and durability, even with larger loads up to 200 lbs.
- 9 Twin Cutter Tool**  
Simultaneously resurfaces both sides of rotor.
- 10 Micrometer Precise**  
Depth of cut dials embossed in metal and calibrated in both thousandths of an inch and tenths of a millimeter. Easy reset to zero.
- 11 Full Drum Support**  
Hex boring bar guarantees correct tool angle for drums.



\*4000E shown with optional Bench Kit (902500) and "F" Adapter Kit (900007).



# MODEL 4000E BRAKE LATHE



## Specifications

### Floor Space Requirements

Width 48"  
Depth 34.5"

### Electrical Requirements

Standard 115v AC, 20A @ 60 Hz, 1Ph

### Spindle & Crossfeed

Spindle Travel: 9.875"  
Spindle Speed: 100, 150, 200 RPM  
Spindle Feed Speed Drum: Variable  
Cross Feed Speed-Rotor: Variable

### Maximum Rotor Diameter

14.5" (19.5" with 906936 cross feed extension)

### Maximum Rotor Thickness

4"

### Brake Drum Diameter

Minimum 6", Maximum 28"

### Maximum Drum Depth

9.875"

### Maximum Load

Standard 1" Arbor  
200 lbs.

### Lathe Shipping Weight

410 lbs.

## Optional Accessories

- 902500 Bench
- 902515 Sign and Toolboard Kit
- 908750 Swirl Finisher
- 908740 Swirl Finisher
- 907075 Deluxe Silencer
- 901180 Clip On Silencer
- 902800 Environmental Lathe Enclosure (ELE)
- 941055 Lathe Tool Box Bench
- 941053 Tool Board & Lighted Canopy
- 908545 Digital Drum Micrometer
- 902780 Digital Rotor Micrometer
- 601456 Deluxe Brake Washer

Today, it's critical that speed and feed combinations be optimized to provide the best possible finish with every application. Now you have complete control over the entire process.

## Custom Digital Finishes

Handy digital feed-rate controls allow you to customize the finish for your specific application.



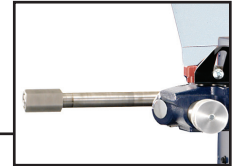
## Three-Speed Synchronous Gearbox And Shifter

Choose the spindle speed that makes the most sense for your work, or further refine your surface result.



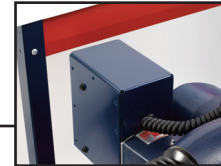
## One-Inch Spindle Assembly

Ammco's patented floating spindle, with oversize bronze bearings, provides a precision rigid mount and smooth support for heavy work up to 200 lbs.



## Rotor/Drum Feed Gear Box

Precision hand fitted internal gears provide decades of trouble free use.



Ammco offers bench lathe adapter kits to fit a variety of needs. **(Important: You must order one adapter kit with the 4000E.)** Select the one that best fits your shop. Look for additional lathe accessories in our catalog or at [www.ammcoats.com](http://www.ammcoats.com).



"F" Kit

**"A" Kit:** Adapters for most passenger cars. **900001**

**"B" Kit:** Adapters for most passenger cars and light trucks through 1/2 ton. **900002**

**"C" Kit:** Adapters for most passenger cars and light trucks through 1 ton. **900003**

**"D" Kit:** Basic kit shipped if no other kit is specified. **900004**

**"E" Kit:** Adapters for most passenger cars and light trucks through 1 ton. Features patented Ammco Double Chuck to simplify hubless rotor and drum machining. **900006**

**"F" Kit:** Adapters for most passenger cars and light trucks through 1 ton. Features patented Ammco Double Chuck to simplify hubless rotor and drum machining. Crossfeed extension increases maximum rotor diameter capacity by up to 5 inches. Also, includes light truck adapters for splined rotors. **900007**

## HENNESSY INDUSTRIES, INC.

1601 J.P. Hennessy Drive  
LaVergne, TN 37086-3565  
800-688-6496 or 615-641-7533  
Hennessy Canada  
2430 Lucknow Drive, Unit #9  
Mississauga, Ontario L5S 1V3  
905-672-9440

MANUFACTURER OF AMMCO®, COATS® AND  
BADA® AUTOMOBILE SERVICE EQUIPMENT  
AND TOOLS

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

Part No. 95000126 Rev.1 2/08

**With legendary Ammco reliability, you know you can keep working for a long, long time.**