

# 16" x 60" 440V EVS Toolroom Lathe with Fagor DRO



SB1015F



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# South Bend® 16" x 60" 440V EVS Toolroom Lathe with Fagor DRO

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## FEATURES

- Heavy-duty signature three V-way bed
- Induction-hardened and precision-ground ways
- Meehanite bed castings
- Removable chip tray for ease of clean-up Fagor digital readout
- Japanese Yaskawa inverter ensuring smooth, consistent torque and reliability
- Tailstock with inch/metric graduated quill
- Centralized lubrication pump for bed-ways and cross slide
- Full-length emergency foot brake
- Dual-reading inch/metric dials on the cross feed & compound
- Full-length, rear-mounted splash guard
- Lockable main disconnect switch
- US based customer service and technical support

## SPECIFICATIONS

- Swing over bed: 16"
- Distance between centers: 60"
- Spindle bore: 2.0625"
- Spindle motor: 7½ HP, 440V, 3-phase, 11A
- Coolant motor: ½ HP, 0.18A
- Swing over cross slide: 10¾"
- Swing over gap: 22.95"
- Cross slide travel: 9.25"
- Compound slide travel: 5.1"
- Spindle nose: D1-6 Camlock
- Taper inside spindle: MT#6
- Spindle speed: Variable, 20-2500 RPM
- RPM ranges: 20-400 low, 400-2500 high
- Inch threads: (45) 2 to 72 TPI
- Metric threads: (39) 0.2 to 14mm
- Modular threads: (18) 0.3 to 3.5
- Diametral threads: (21) 8 to 44
- Longitudinal feed: 0.002 to 0.067 IPR
- Cross feed: 0.001 to 0.034 IPR
- Number of feed selections: 17
- Tailstock barrel diameter: 2.047"
- Tailstock quill travel: 6"
- Tailstock taper: MT#4
- Footprint: 19½" x 101⅞"
- Approx. shipping weight: 3,488 lbs.

## STANDARD EQUIPMENT

- 9" 3-Jaw scroll chuck
- 10" 4-Jaw independent chuck
- 12" faceplate
- Steady rest
- Follow rest
- 4-way tool post
- Halogen lamp
- Complete coolant system
- Turret micrometer stop
- Two Morse taper dead centers
- Single saddle stop
- Thread dial indicator
- Leveling bolts
- Tool box and tool kit

## WHEN YOU REQUIRE A HIGH QUALITY VARIABLE SPEED LATHE

As the name implies, the 16" x 60" EVS Toolroom Lathe feature EVS (Electronic Variable-Speed) spindle control, which allows the operator to quickly set the exact spindle speed within the available range of 20–2500 RPM.

Spindle speed is displayed on a Fagor digital readout and controlled within each speed range with the use of a dial—no changing gears or looking up complex lever positions on a chart.

The beds of these lathes are constructed with Meehanite castings that have been precision hardened and ground in the traditional 3-V prismatic design—long used on South Bend Lathes for its accuracy, durability, and rigidity.

The headstock features quick-change gear levers and an adjustable clutch mechanism for the feed rod that can be set to prevent damage in the event of a crash.

To further ensure a high degree of accuracy, these lathes are equipped with high quality Japanese spindle bearings.

The spindles are the D1-6 camlock type with an MT#6 taper and 2.0625" bore. The tailstock quills have an MT#4 taper and offer 6" of travel.

These EVS lathes also include a pressurized headstock oiling system that pre-lubricates bearings/gears before the spindle starts and delivers perfect lubrication during low speed operations - compare to conventional splash and bath oil systems that leave bearings/gears starved for oil when the spindle is first started and during low speed operations.

## BUILT TO TRUE SOUTH BEND HIGH-PRECISION INDUSTRIAL STANDARDS

The manual was written by our U.S. based Technical Documentation Department and is packed with useful information. The complete and easy to read manual provides full instructions on how to assemble and maintain your bandsaw.

The South Bend Customer Service and Technical Support Teams are U.S. based. Parts and accessories for the bandsaw are available on-line and shipped from the South Bend parts warehouse in Springfield, MO.

## WARRANTY INFORMATION

South Bend Tool Company warrants every product it sells for a period of 2 years to the original purchaser from the date of purchase. We make every effort to ensure that our products meet high quality and durability standards so that you never need to use the warranty. Please feel free to write or call us if you have any questions about the machine or the manual.

for more information visit [www.southbendtools.com/pages/warranty](http://www.southbendtools.com/pages/warranty)



Because quality and precision are timeless.

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