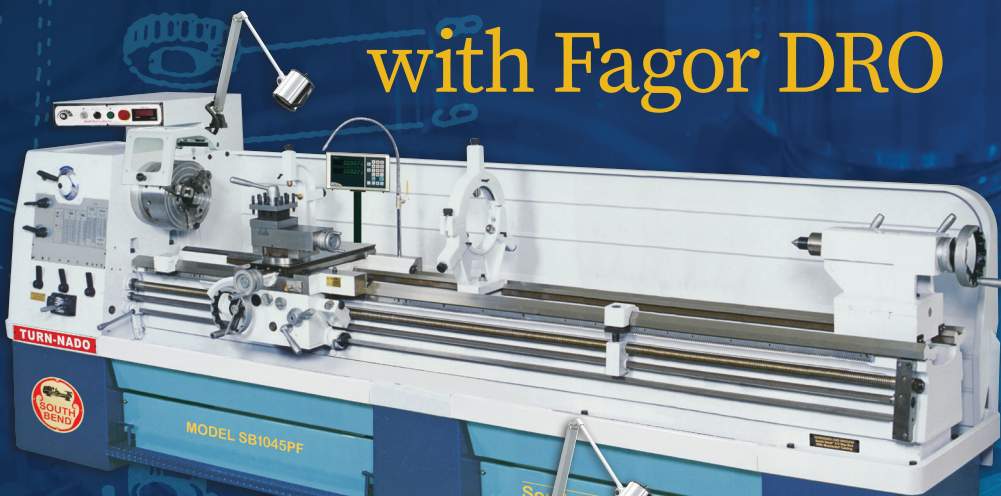
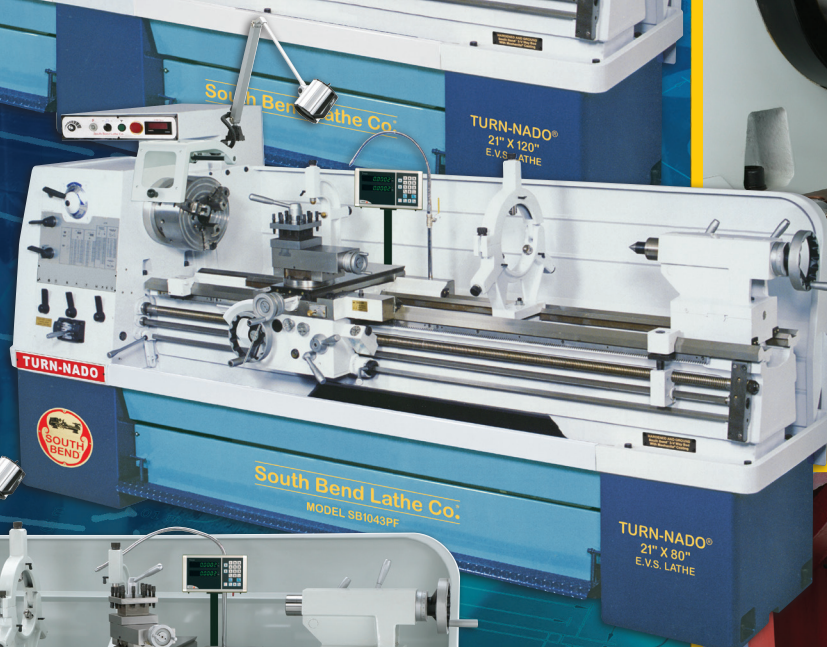


TURN-NADO[®] EVS Lathes

with Fagor DRO



SB1060PF
SB1043PF
SB1045PF



South Bend® TURN-NADO® EVS Lathes w/ Fagor DRO

SB1043PF, SB1045PF, SB1060PF

ALL MACHINES FEATURE

- Fagor 2-axis DRO for precise positioning of the carriage
- Superior engineered uniformity with Meehanite castings
- Signature self-centering South Bend three V-way bed
- Allen-Bradley electrical components
- Yaskawa G7A4011 Inverter
- Enclosed universal gearbox for cutting inch, metric, modular, and diametral pitches
- 14" 4-jaw independent chuck D1-8
- 12" 3-jaw scroll chuck mounted to D1-8 plate
- SKF spindle bearings
- Full-length splash guard
- Complete coolant system
- Front-removable sliding chip tray
- Micrometer carriage stop
- Threading dial indicator
- Jog button and emergency stop
- 4-Way tool post
- Toolbox with service tools
- US Based Customer Service and Technical Support

SPECIFICATIONS

Shared Specifications

- Swing over bed: 18" (SB1060PF), 21" (SB1043PF & SB1045PF)
- Spindle bore: 3.15"
- Spindle motor: 12½ HP, 440V, 3-phase, 18A
- Coolant pump motor: ½ HP, 0.23A
- Oil pump motor: ¼ HP, 0.6A
- Swing over cross slide: 14"
- Swing over saddle: 21"
- Swing over gap: 31.1"
- Maximum tool bit size: 1"
- Compound travel: 5.39"
- Cross slide travel: 11"
- Spindle taper: MT #7
- Spindle speeds: (variable) from 18 - 1800 RPM
- Spindle type: D1-8 camlock
- Tailstock travel: 6½"
- Tailstock taper: MT #5
- Tailstock barrel diameter: 3"
- Longitudinal feeds: 0.0015 to 0.0400 IPR (15)
- Cross feeds: 0.001 to 0.034 IPR (15)
- Inch thread range: 2 to 72 TPI (38 pitches)
- Metric thread range: 0.4 to 14 mm (40 pitches)
- Modular threads: 0.3 to 3.5 (18 pitches)
- Diametral threads: 8 to 44 (21 pitches)
- Bed width: 13.58"

SB1043PF Specifications

- Distance between centers: 80"
- Carriage travel: 79"
- Overall dimensions: 130¼" W x 27" D x 62¼" H
- Approximate shipping weight: 6038 lbs.

SB1045PF Specifications

- Distance between centers: 120"
- Carriage travel: 119"
- Overall dimensions: 169¾" W x 27" D x 62¼" H
- Approximate shipping weight: 7202 lbs.

SB1060PF Specifications

- Distance between centers: 60"
- Carriage travel: 59"
- Overall dimensions: 110½" W x 27" D x 62¼" H
- Approximate shipping weight: 5408 lbs.

COMBINING MODERN ELECTRONICS WITH HISTORICAL LINEAGE TO PRODUCE PRECISION TOOLROOM LATHES

The EVS (electronic variable speed) spindle speed of the TURN-NADO lathes allow for dialing in the perfect cutting speed. This makes it much easier to achieve exacting tolerances and superior finishes on any job.

The TURN-NADO EVS Lathes come in three different sizes: 18" x 60", 21" x 80", and 21" x 120".

There are four spindle speed ranges that can be selected with the speed range lever. The spindle speed dial fine tunes the exact speed within the selected range between 18-1800 RPM.

Spindle speed is displayed on the digital readout conveniently located on the control panel.

A factory-installed Fagor digital readout displays the positioning of the carriage and cross slide.

A micrometer stop is used to limit carriage travel for production runs or make final adjustments to the carriage position.

Both the carriage and cross slide have power feed capability when the carriage is engaged with the feed rod.

To further ensure a high degree of accuracy, these lathes are equipped with high-quality spindle bearings. The spindles are D1-8 camlock with an MT#7 taper and 3.15" bore. The tailstocks have an MT#5 taper and 6½" of quill travel.

The headstocks feature quick-change gear levers and the carriages include an adjustable clutch that disables automatic carriage feed when it contacts the feed stop or in the event of a crash.

The headstocks are equipped with a pressurized oiling system that pre-lubricates the bearings and gears before the spindle starts. This guarantees that the headstocks are properly lubricated in all start-up conditions, including high-load/low-speed operations.

The bed of the lathe is constructed with Meehanite-processed castings that are hardened and precision-ground in the traditional three V-way prismatic design. This continues a tradition long used on South Bend lathes for accuracy, durability, and rigidity.

The lathe is equipped with a foot brake to quickly stop the spindle instead of allowing it to coast to a stop on its own. Pressing the foot brake while the spindle is ON also cuts power to the motor.

The removeable chip drawer catches swarf and metal chips during the machining process. It contains a screen that keeps the large chips from returning to the reservoir, preventing pump damage.

When the coolant pump switch is turned ON, the fluid is delivered through the nozzle attached to the carriage. The flow is controlled by the valve lever at the base of the nozzle.

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



Because quality and precision are timeless.

www.southbendtools.com
sales@southbendtools.com
(360) 734-1540