

9" x 42" Milling Machines with Fagor DRO

SB1024F & SB1025F



South Bend® 9" x 42" Milling Machines with Fagor DRO

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FEATURES

- Fagor DRO
- Meehanite® casting
- Turcite-coated ways
- Chromed steel quill
- Heavy-duty spindle brake
- Japanese NSK/NTN bearings
- Allen Bradley® electrical controls
- Micro-adjustable auto-downfeed stop
- Double-bronzed X & Y leadscrew nuts
- Variable speed longitudinal table power feed
- Lever action, one shot pump lubrication system
- High-quality, low-vibration AEVF spindle motor
- P4 (ABEC-7) high-quality angular contact spindle bearings
- Table, knee and ram are equipped with dual locking mechanisms

SPECIFICATIONS

- Spindle motor: 2 HP, 220V, 3-phase (SB1025F) or single phase (SB1024F), 6.5A (SB1025F) / 14A (SB1024F)
- Spindle travel: 5"
- Max. distance spindle to column: 19"
- Max. distance spindle to table: 18"
- Longitudinal table travel with power feed: 23½", 29½" without power feed
- Cross table travel: 13"
- Vertical table travel: 16"
- Ram travel: 13"
- Column swivel: 360°
- Head swivel: 90° left and right, 45° front and back of
- Table size is 9" W x 42" L x 3" T
- (3) ⅝" Table T-slots
- R-8 Spindle taper
- Spindle speeds from 80–5600 RPM (variable; 16 steps) (SB1025F) or 60–2400 RPM (variable) (SB1024F)
- Quill feed rates (per revolution) of 0.0015", 0.003", 0.006"
- Overall dimensions of 63" W x 81" H x 58" D (SB1025F) or 63" W x 87" H x 58" (SB1024F)
- Approximate shipping weight at 2161 lbs. (SB1025F) or 2140 lbs. (SB1024F)

THE FINEST PRECISION HAS BEEN MASTERFULLY EXECUTED IN THESE SOUTH BEND MILLING MACHINES

These milling machines are built for daily, non-stop use in a busy industrial setting, tool room, or school shop. They are easy to set-up, truly accurate, and built to give you long years of service when properly cared for.

Their vast capabilities are nearly unlimited as they are perfect for: face milling, end milling, planing, slot or keyway cutting, dovetailing, routing, drilling, reaming, boring, and much more. With the movable ram and tilting head, all these tasks can be performed on horizontal, vertical, and angled surfaces.

These 9" x 42" Milling Machines are constructed to last. This is demonstrated starting from the hardened and precision-ground cast iron table, to the precision-ground, then chrome-plated steel spindle housing, down to the Meehanite casted head and column.

Special attention has been given to the quality of the spindle components, especially the low-vibration AEVF spindle and the P4 (ABEC-7) angular contact spindle bearings. The spindle uses a powered downfeed with fine, medium, and coarse feed controls and has an R8 taper.

These milling machines feature 3-axis table movement with built-in longitudinal power feed and support workpieces up to 750 lbs. The saddle and knee ways are Turcite-coated and built with wide dovetails for maximum support and accuracy through the full range of movement.

And finally, the Fagor 3-axis DRO 30i-M provides a numerical display showing the X- and Y-positions of the mill table, plus the Z-axis of the cutting tool.

BUILT TO TRUE SOUTH BEND HIGH-PRECISION INDUSTRIAL STANDARDS

The instructions were written by our U.S. based Technical Documentation Department and are packed with useful information. The easy to read instructions explain how to assemble and maintain your lathe.

The South Bend Customer Service and Technical Support Teams are U.S. based. Parts and accessories for the downdraft table are available online 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.

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