

# LATHES – MILLS

## MICRO LATHE



This is the machine you don't have to "baby". The Micro Lathe is a rugged, precision instrument. Its machined, ground and stabilized steel bed has a lifetime ball bearing spindle, coupled with a 6-speed positive v-belt drive. Spindle speeds in geometric progression from 525 to 5200rpm provide the power to "HOG" 1/8-inch cuts in mild steel or the speed and accuracy to dust a few tenths. Other big lathe features include large .001 graduations on the cross slide dial, an all-angle tool post and a carriage depth stop. Adjustable gibs provide full compensation for carriage and cross slide wear. 2-yr. factory warranty. 15" bed. Comes factory assembled. The Unit pictured is a basic unit (P/N 12-00171) with an optional 3-Jaw Chuck, Boring bar(1097E), Tailstock (1150), Drill Chuck (1091), 1/4 HP 1725 RPM Motor (1021w), Motor Mount Bracket (1022), Mounting Board (1023), and Pulleys (1162 with 3M 500 belt). All accessories are sold separately and are not included in the base price. Note: Photo shows Lathe with all accessories which are not included (Available separately). P/N 12-00171 is basic lathe unit only.

P/N 12-00171 .....\$214.10

### General Specifications:

- Overall working accuracy: 0.0005"
- Max. bearing run out: 0.0004"
- Headstock normality to bed: .0004 in max error
- Max. taper bed dovetail over pins: 0.0001"
- All machine dovetails: 45°
- Bed width: 2 5/16"
- Cross slide dial graduation: 0.001
- Cross slide screw: 1/4"-20 adjustment for back-lash take-up provided (jam nut arrangement)
- Carriage travel: 0.600" 1 rev. of hand wheel
- Max. spindle speed recommend: 7000 rpm
- Motor requirement: 1/8 – 1/4 HP
- Pulley type: Std. 5/8" bore, multistep V-belt
- Length of headstock on ways: 2.875"
- Length of carriage on ways: 3.000"
- Width of cross slide on carriage: 2.000"
- Tool post: may be adjusted for angle cutting (chamfer, boring, etc.)

### Capacity:

- Swing over bed: 4.5" (max. turning dia.)
- Swing over cross slide: 2 3/8"
- Overall length of bed: 15.5"
- Overall length of lathe: 16.5"
- Tool bit size: 1/4"
- Drill chuck capacity: 0 to 1/2"
- Distance between centers: 9.75"
- Carriage travel: 9"
- Cross slide travel: 1.75"

### Spindle Specifications:

- Sealed precision ball: 1.5748 O.D. 0.6692 I.D.
- Spindle nose: 3/4" – 16 (3/4" SAE)
- Spindle hole: 0.343
- Spindle ID taper: 15° (30° included)
- Max. collet diameter: 9/32"
- Pulley size: 5/8" bore

Accessories	Part No.	Price
3-jaw chuck	12-01602	\$70.40
Boring bar	12-01603	\$6.25
Tailstock	12-01604	\$44.60
Drill chuck	12-01605	\$12.30
1/4 1725 RPM Motor	12-01606	\$123.10
Motor mount bracket	12-01607	\$5.95
Mounting board	12-01608	\$8.65
Pulleys 20" L	12-01609	\$27.75
Pulleys 12-1/2" L	12-01710	\$31.50

## MICRO MILL



The Micro Mill has effortless, chatterless table and mill head movement. This is due to the unique design of our oversized gibs, ground steel ways, massive carriage, steel bed and vertical mill head support which makes the Micro Mill ready for CNC upgrade if you desire. Our small mill is really a scaled down big mill with manual operation. Other big mill features include large 0.001 graduations on friction adjustable micrometer dials for X, Y, and Z controls. Adjustable gibs provide full compensation for X, Y, and Z mill-ways wear. It all adds up to the best value in small mills. 15.5" table, power switch & cord included. Comes factory assembled. 2-yr. warranty.....P/N 12-00170 .....\$785.00

### General Specifications:

- |   |               |            |   |
|---|---------------|------------|---|
|   | <b>Manual</b> | <b>CNC</b> | <b>Capacity:</b>  |
| • Height:   | 21-3/8"       | 26-3/8"    | • Working Axis Travel: X=9.5", Y=5.5", Z=6.0"                 |
| • Width:  | 17"           | 22"        | • Maximum Z-Distance to Table: 9.0"                           |
| • Depth:  | 16.75"        | 21"        | • Z-Axis Swivel: 90°  |
| • Weight:   | 65 lbs.       | 85 lbs.    | • Column Rotation: up to 180°                                 |
| • Max. bearing run out: 0.0004"   |               |            | • Spindle Head Rotation: 90°                                  |
| • Dovetails, X-axis: 45°; Y-axis: 90°   |               |            | • 6 Spindle Speeds: 525 to 5200 RPM                           |
| • Z-axis: Steel box-ways  |               |            | <b>Spindle Specifications:</b>                                |
| • Pulley type: Std. 5/8" bore, multi-step V-belt  |               |            | • Maximum Spindle Speed: 7000 RPM                             |
| • Construction: steel, hard anodized aluminum on all moving components adjustable brass gibs and precision ground steel-ways. |               |            | • Sealed Precision Ball Bearing: O.D. = 1.5748, I.D. = 0.6692 |

## AT429SXC MICRO MILLER



The AT429SXC Micro Miller features a .75 horsepower 20,000 RPM Sioux Tools motor. Cutter capacity is 3/4" and the unit will cut steel, aluminum and stainless steel. Spindle size is 1/4-28 and inlet pipe tap is 1/4" NPT. Air requirements: 90 PSI. Tease trigger allows slow start up & exhaust porting is through the bottom of the handle.....P/N AT429SXC .....\$559.00

Cutter Size	Cutter Dia.	Skirt Part No.	Skirt Price	Cutter Part No.	Cutter Price
-1	5/16	AT429A-1	\$30.70	AT429B-1	\$28.50
-2	3/8	AT429A-2	\$30.70	AT429B-2	\$25.50
-3	7/16	AT429A-3	\$30.70	AT429B-3	\$28.50
-4	1/2	AT429A-4	\$28.50	AT429B-4	\$29.65
-5	9/16	AT429A-5	\$28.90	AT429B-5	\$24.50
-6	5/8	AT429A-6	\$28.90	AT429B-6	\$31.75
-7	3/4	AT429A-7	\$28.90	AT429B-7	\$33.50

## SUPER NOTCHER THREE-IN-ONE ABRASIVE TUBING NOTCHER



The Super Notcher by Dixie Fried Fabrication is an abrasive belt tube notcher that doubles as a universal shop belt grinder, and includes a flat platen for surface grinding. Accessories are available for notching round and square tubing and pipe at extreme angles of up to 25 degrees.

With Motor .....P/N 12-05035 .....\$3,250.00  
Without Motor...P/N 12-05036 .....\$2,990.00

### ACCESSORIES

Description	Part No.	Price
Square Tubing Insert	12-05037	\$195.00
Thin Wall Tubing Insert	12-05038	\$65.00
Notcher Cart Crt100	12-05039	\$325.00
Roller 5/8" Rol058	12-05040	\$125.00
Roller 3/4" Rol034	12-05041	\$125.00
Roller 7/8" Rol078	12-05042	\$125.00
Roller 1" Rol100	12-05043	\$125.00
Roller 1 1/8" Rol118	12-05044	\$145.00
Roller 1 1/4" Rol114	12-05045	\$165.00
Roller 1 3/8" Rol138	12-05046	\$175.00
Roller 1 1/2" Rol112	12-05047	\$179.00
Roller 1 3/4" Rol134	12-05048	\$195.00
Roller 2" Rol200	12-05049	\$210.00
Roller 2.5" Rol250	12-05050	\$310.00
Roller 3" Rol300	12-05051	\$335.00

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