



# Miniature Steam Pty Ltd

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## SHERLINE MACHINE TOOLS AND PACKAGES PRICE LIST

Effective November 2008

### LATHES

**STANDARD EQUIPMENT:** Sherline lathes include the following as standard equipment: 90 VDC motor w/ electronic speed control, faceplate, drive dog, tool post, pre-sharpened 1/4" high speed steel (HSS) cutting tool, #0 and #1 Morse dead centres, 4 hex adjustment keys, 2 spindle bars, laser engraved aluminium hand wheels and 48-page colour instruction manual. Sherline machines operate on any incoming voltage from 100 to 240 VAC, 50-60 Hz without an external transformer. All machines and accessories come with a 1-year limited warranty.

**DIGITAL READOUTS:** Any Sherline lathe or mill can be ordered with factory installed Digital Readouts (DRO). Lathes include 2 encoder hand wheels on the cross slide and lead screw. Mills include 3 encoder hand wheels for X, Y and Z axis. Electronics box includes 3-axis LED readout plus an encoder for continuous readout of spindle RPM. DRO hand wheels replace the standard hand wheels, so in the case of the 4410-series lathes and 5410 and 2010-series mills, the DRO hand wheels replace the adjustable "zero" hand wheels. Electronics can be initialized to work with either inch or metric machines. 240VAC power supply included. Machines equipped with DRO are denoted by the machine or machine/accessory package part number followed by the letters "DRO".

**CNC-READY MACHINES:** Any Sherline lathe or mill can be ordered with stepper/servo motor mounts in place of the hand wheels ready for the installation of NEMA 23 size stepper or servo motors. (Stepper/servo motors, drivers and software are not included.) Hand wheels are included for use on the rear shaft of dual shaft stepper or servo motors, but the motors must be installed before manual control can be achieved.

Machines equipped with stepper/servo motor mounts are denoted by the machine or machine/accessory packages part number followed by the letters "CNC".

PART NUMBER	DESCRIPTION	WT. (Kg)	PRICE Ex GST	PRICE Inc GST
4100	3.5" X 8" lathe (See above for included standard equipment)	10.89	\$1,490.00	\$1,639.00
4100-DRO	3.5" x 8" lathe (See above for included standard equipment) with factory installed DRO (Digital readout)	12.25	\$2,130.00	\$2,343.00
4100-CNC	3.5" x 8" lathe (See above for included standard equipment) with 2 stepper motor mounts installed	12.25	\$1,890.00	\$2,079.00
4410	3.5" x 17" Deluxe long bed lathe with adjustable "zero" hand wheels and rocker tool post	13.61	\$1,725.00	\$1,895.50
4410-DRO	3.5" x 17" Deluxe long bed lathe with rocker tool post and factory installed DRO (Digital Readout)	14.97	\$2,305.00	\$2,535.50
4410-CNC	3.5" x 17" Deluxe long bed lathe with 2 stepper motor mounts installed	14.97	\$2,085.00	\$2,293.50

### LATHE AND ACCESSORY PACKAGES

Sherline lathes can be purchased with three different selections of our most popular accessories. The available A, B and C packages are described below. Machines in these packages can also be ordered with factory installed Digital Readouts (DRO) or with stepper/servo motor mounts ready for the application of CNC controls. Purchasing a machine/accessory package offers additional price savings compared to purchasing the machine and accessories separately.

**A PACKAGE:** lathe PLUS 3-jaw chuck and tailstock drill chuck. 4100 lathes come with a 2.5" 3-jaw chuck and a 1/4" tailstock chuck. 4410 lathes come with a 3.1" 3-jaw chuck and a 3/8" tailstock chuck. Buying the A package offers a savings approximately equivalent to getting the drill chuck for free.

**B PACKAGE:** lathe PLUS chucks listed in the A package above AND the following accessories: 1074 Steady rest, 1191 live centre, 3002 Cut-off tool and holder, 3007 3-piece 1/4" HSS cutting tool set (LH, RH, and boring tools).

**C PACKAGE:** Everything in above A and B packages PLUS a 1280 Compound slide and 3100 Thread cutting attachment.

4100A	3.5" x 8" lathe and standard equipment PLUS 2.5" 3-jaw and 1/4" tailstock drill chuck	11.34	\$1,690.00	\$1,859.00
4100A-DRO	3.5" x 8" lathe "A" package PLUS factory installed DRO (Digital Readout) on cross slide and lead screw	12.70	\$2,325.00	\$2,557.50
4100A-CNC	3.5" x 8" lathe "A" package PLUS 2 stepper motor mounts installed on lathe ready for CNC control	12.70	\$2,110.00	\$2,321.00
4100B	3.5" x 8" lathe and standard equipment PLUS items listed above in "B" package	14.06	\$2,065.00	\$2,271.50
4100B-DRO	3.5" x 8" lathe "B" package PLUS factory installed DRO (Digital Readout) on cross slide and lead screw	15.42	\$2,700.00	\$2,970.00
4100B-CNC	3.5" x 8" lathe "B" package PLUS 2 stepper motor mounts installed on lathe ready for CNC control	15.42	\$2,465.00	\$2,711.50
4100C	3.5" x 8" lathe and standard equipment PLUS items listed above in "C" package	15.42	\$2,540.00	\$2,794.00
4100C-DRO	3.5" x 8" lathe "C" package PLUS factory installed DRO (Digital Readout) on cross slide and lead screw	16.78	\$3,175.00	\$3,492.50
4100C-CNC	3.5" x 8" lathe "C" package PLUS 2 stepper motor mounts installed and ready for CNC control	16.78	\$2,940.00	\$3,234.00
4410A	3.5" x 17" deluxe lathe PLUS 3.1" 3-jaw and 3/8" tailstock drill chuck ("A" package listed above.)	14.97	\$1,980.00	\$2,178.00
4410A-DRO	3.5" x 17" deluxe lathe "A" package PLUS factory installed DRO (Digital Readout) on cross slide and lead screw	16.33	\$2,560.00	\$2,816.00
4410A-CNC	3.5" x 17" deluxe lathe "A" package PLUS 2 stepper motor mounts installed and ready for CNC control	16.33	\$2,345.00	\$2,579.50
4410B	3.5" x 17" deluxe lathe PLUS items listed in "B" package above	16.33	\$2,345.00	\$2,579.50
4410B-DRO	3.5" x 17" deluxe lathe "B" package PLUS factory installed DRO (Digital Readout) on cross slide and lead screw	17.69	\$2,935.00	\$3,228.50
4410B-CNC	3.5" x 17" deluxe lathe "B" package PLUS 2 stepper motor mounts installed and ready for CNC control	17.69	\$2,705.00	\$2,975.50
4410C	3.5" x 17" deluxe lathe PLUS items listed in "C" package above	18.60	\$2,835.00	\$3,118.50
4410C-DRO	3.5" x 17" deluxe lathe "C" package PLUS factory installed DRO (Digital Readout) on cross slide and lead screw	19.96	\$3,415.00	\$3,756.50
4410C-CNC	3.5" x 17" deluxe lathe "C" package PLUS 2 stepper motor mounts installed and ready for CNC control	19.96	\$3,195.00	\$3,514.50

## VERTICAL MILLING MACHINES

**STANDARD EQUIPMENT:** Sherline mills include the following as standard equipment: 90 VDC motor w/ electronic speed control, hex adjustment keys, spindle bar and 48-page colour instruction manual. Sherline mills operate on any incoming voltage from 100 to 240 VAC, 50/60 Hz without an external transformer. All machines and accessories come with a 1-year limited warranty.

**DIGITAL READOUTS and CNC-READY MACHINES:** All Sherline machines can be ordered equipped with DRO or CNC stepper motor mounts. See note in lathes section on previous page.

PART NUMBER	DESCRIPTION	WT.(Kg)	PRICE Ex GST	PRICE Inc GST
5410	Deluxe vertical milling machine with 12" base, adjustable "zero" hand wheels, 1297 headstock spacer block, 3072 1/4" Jacobs drill chuck and laser engraved scales (rulers) on base and table	17.24	\$1,970.00	\$2,167.00
5410-DRO	Deluxe vertical milling machine as above PLUS factory installed DRO (Digital Readout) on X, Y and Z axes	18.60	\$2,645.00	\$2,909.50
5410-CNC	Deluxe vertical milling machine as above PLUS 3 stepper motor mounts ready for CNC control	18.60	\$2,425.00	\$2,667.50
2010	8-Direction vertical milling machine with 14" base, adjustable "zero" hand wheels, P/N 1072 1/4" drill chuck and laser engraved scales (rulers) on base and table	20.41	\$2,435.00	\$2,678.50
2010-DRO	2000-series vertical mill as above PLUS factory installed DRO (Digital Readout) on X, Y and Z axes	21.77	\$3,110.00	\$3,421.00
2010-CNC	2000-series vertical mill as above PLUS 3 stepper motor mounts ready for CNC control	21.77	\$2,890.00	\$3,179.00

## MILLING MACHINE AND ACCESSORY /PACKAGES

Sherline mills can be purchased with a selection of our most popular accessories. The A package is described below. Machines in this package can also be ordered with factory installed Digital Readouts (DRO) or ready for the application of CNC controls. Purchasing a machine/accessory package offers additional price savings compared to purchasing the machine and accessories separately.

**A PACKAGE:** Includes your choice of vertical mill PLUS the following accessories: 1072 1/4" drill chuck, 3013 Step block hold-down set, 3020 5/32" T-driver, 3021 3-piece centre drill set, 3052 Fly cutter, 3090 3-piece mill Collet set, 3079 3/8" end mill holder, 3551 mill vice, 5327 *Sherline Accessories Shop* Guide book and 7400 6-piece 3/8" double-ended end mill set.

5410A	Deluxe 3-axis mill with 12" base, adjustable "zero" hand wheels, 3072 1/4" drill chuck, 1297 headstock spacer block and laser engraved scales on base and bed	21.77	\$2,500.00	\$2,750.00
5410A-DRO	Deluxe 3-axis mill as described above PLUS factory installed DRO on X, Y and Z axes, spindle RPM readout	21.77	\$3,160.00	\$3,476.00
5410A-CNC	Deluxe 3-axis mill as described above PLUS 3 NEMA 23 stepper motor mounts ready for application of CNC	21.77	\$2,940.00	\$3,234.00
2010A	8-direction mill with 14" base, adjustable column and ram for four additional axes of movement in addition to X, Y, Z and headstock rotation, 1/4" drill chuck	23.59	\$2,950.00	\$3,245.00
2010A-DRO	8-direction mill PLUS factory installed DRO (Digital Readout) on X, Y and Z axes	24.95	\$3,625.00	\$3,987.50
2010A-CNC	8-direction mill PLUS 3 NEMA 23 stepper motor mounts and RPM gage ready for application of CNC	24.95	\$3,405.00	\$3,745.50

## COMPLETE MACHINE SHOP LATHE, MILL AND ACCESSORY PACKAGES

Sherline lathes and mills can be purchased together with a selection of Sherline's most popular accessories to put together a complete machine shop with just one simple order.

**6010 SHOP PACKAGES INCLUDE:** 4410-series deluxe lathe and 5410-series deluxe vertical mill PLUS the following accessories: 1040 3.1" 3-jaw chuck, 1069 3/8" Jacobs drill chuck, 1074 Steady rest, 1191 live centre, 3002 Cut-off tool and holder, 3007 3-piece HSS cutting tool set, 1297 mill spacer block, 3013 Step block hold-down set, 3020 5/32" T-driver, 3021 3-piece centre drill set, 3052 Fly cutter, 3049 Boring head, 3063 Boring tool, 3072 1/4" Jacobs drill chuck, 3079 3/8" end mill holder, 3090 3-piece mill collet set, 3551 mill vice, 3700 4' Rotary table, 3750 Tilting angle table, 5327 *Sherline Accessories Shop* Guide book, 5330 Safety glasses and 7400 6-piece 3/8" double-ended end mill set.

**6210 SHOP PACKAGES INCLUDE:** All items mentioned above except substitute 2010-series mill in place of 5410-series mill.

6010	4410-series lathe, 5410-series mill PLUS accessories listed above. A complete machine shop in miniature!	42.18	\$5,435.00	\$5,978.50
6010-DRO	6010-series shop package above with both machines fitted with factory installed Digital Readouts	44.91	\$6,700.00	\$7,370.00
6010-CNC	6010-series shop package with both machines fitted with stepper motor mounts in place of hand wheels	44.91	\$6,255.00	\$6,885.50
6210	4410-series lathe, 2010-series 8-direction mill PLUS accessory package listed above.	44.45	\$5,990.00	\$6,589.00
6210-DRO	6210-series shop package above with both machines fitted with factory installed Digital Readouts	47.17	\$7,255.00	\$7,980.50
6210-CNC	6210-series package above with both machines fitted with stepper motor mounts in place of hand wheels	47.17	\$6,810.00	\$7,491.00

## MOTORS, DRIVERS AND SOFTWARE FOR CNC CONTROL

PART NUMBER	DESCRIPTION	WT.(Kg)	PRICE Ex GST	PRICE Inc GST
8765	Upgrade any Sherline CNC-ready lathe package to CNC (not including a computer). Includes 8760 driver box plus two P/N 67127 stepper motors	5.44	\$1,525.00	\$1,677.50
8770	Upgrade any CNC-ready Sherline mill to full CNC (not including a computer). Includes 8760 driver box plus three P/N 67127 stepper motors	6.80	\$1,690.00	\$1,859.00
8775	Upgrade any CNC-ready Sherline shop package to full CNC (not including a computer). Includes 8760 driver box plus five P/N 67127 stepper motors	7.26	\$1,945.00	\$2,139.50