SHERLINE PRODUCTS
INCORPORATED 1974

SHERLINE CNC Components Price List

Optical Encoders

An optical encoder is required to use the MASSO CNC controller. The optical encoder was designed by MASSO to work with Sherline machines in conjunction with the MASSO controller. Optical encoder assemblies include the optical encoder kit, cables, and all mounting hardware. When ordering your optical encoder online, you must select your machine model, leadscrew type, and headstock options to receive pricing.

8767 (LLS)	**Optical Encoder for lathe with standard leadscrews & standard headstock**	$173.42
8767 (LL3C)	**Optical Encoder for lathe with standard leadscrews & 3C headstock**	173.42
8767 (MLS)	**Optical Encoder for mill with standard leadscrews & standard headstock**	173.42
8767 (ML3C)	**Optical Encoder for mill with standard leadscrews & 3C headstock**	173.42
8767 (LBS)	**Optical Encoder for lathe with ball screws & standard headstock**	173.42
8767 (LB3C)	**Optical Encoder for lathe with ball screws & 3C headstock**	173.42
8769 (MBS)	**Optical Encoder for mill with ball screws & standard headstock**	196.82
8769 (MB3C)	**Optical Encoder for mill with ball screws & 3C headstock**	196.82

NOTE: If you already have an optical encoder for your mill, you can add another optical encoder for your lathe, or vice versa without having to purchase another controller.

Limit Switch Assemblies

Limit switches are not required to use the MASSO CNC controller. Limit switch assemblies include the limit switches, cables, and all mounting hardware. When ordering your limit switch assemblies online, you must select your machine model, leadscrew type, and number of axis options to receive pricing. You may connect them to any controller that is configured to work with our limit switches.

8785	**XYZ Ball Screw Mill Limit Switch Assembly Set**	$118.30
8793	**XYZ & A Ball Screw Mill Limit Switch Assembly Set**	150.54
8795	**XZ Ball Screw Lathe Limit Switch Assembly Set**	72.696
8772	**XYZ 5400 Leadscrew Mill Limit Switch Assembly Set**	122.20
8799	**XYZ 2000/5800 Leadscrew Mill Limit Switch Assembly Set**	125.32
8794	**XYZ & A 5400 Leadscrew Mill Limit Switch Assembly Set**	155.95
8779	**XYZ & A 2000/5800 Leadscrew Mill Limit Switch Assembly Set**	158.08
8778	**XZ Leadscrew Lathe Limit Switch Assembly Set**	80.34
8790	**XZ Chucker Lathe Limit Switch Assembly Set**	77.74
8740	**Rotary Table Limit Switch Assembly**	33.23

CNC Accessories

3701	**Right angle attachment** for holding rotary table in vertical position.	$81.90
3702	**Right angle adjustable tailstock** for supporting end of long parts held in rotary table mounted in 3701 above.	81.90
3750	**Tilting angle table** holds rotary table in vertical position or any angle from 0-90°.	120.12
67126	**Hi-Torque Stepper Motor**—191oz-in, 2 amp, NEMA 23 frame dual shaft (5-pin plug wired for use with Sherline CNC systems).	120.12
67127	**Stepper Motor**—109.71oz-in, 2 amp, NEMA 23 frame dual shaft (5-pin plug wired for use with Sherline CNC systems).	81.9
67130	**Stepper Motor without plug**—109.71oz-in, 2 amp, NEMA 23 frame dual shaft.	70.98
8730	**4" Rotary table with stepper motor** and plug ready to operate as 4th axis on Sherline CNC systems.	446.94
8760	**4-axis powered driver box** with four stepper motor connection cables, power supply and parallel cable for connection to your computer parallel port. CNC software included.	655.20
87655	**Driver Box Case**—This case allows you to remove the CNC driver board from your Sherline Linux CNC computer and install it in a dedicated enclosure.	125.32
8763	**Parallel Port Signal Booster**—Amplifies signal from computer's parallel port to the stepper motor driver box.	52.00

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SHERLINE CNC Upgrade Kits Price List

Upgrade from Manual Machines to CNC-Ready

Manual to CNC-Ready upgrade kits include a Z-axis CNC leadscrew, motor-mount kits with stepper motor mounts, CNC couplings, preload nuts, and preload bearings.

P/N Inch (Metric)	Description	Price
6720 (6725)	**4000/4500-series lathes CNC upgrade**—Includes mount kit with two stepper motor mounts.	$218.40
6730 (6735)	**4400-series lathes CNC upgrade**—Includes mount kit with two stepper motor mounts.	229.32
6700 (6710)	**5000/5400-series mills CNC upgrade**—Includes mount kit with three stepper motor mounts.	273.00
6705 (6715)	**2000-series mill CNC upgrade**—Includes mount kit with three stepper motor mounts.	273.00
6758 (6759)	**5800-series mill CNC upgrade**—Includes mount kit with three stepper motor mounts.	312.00

NOTE: You must provide the following—NEMA 23 frame dual shaft stepper motors, a controller or computer, monitor, keyboard, and mouse.

Upgrade from Manual Machines to Full CNC (w/o Computer Controller)

Manual to Full CNC upgrade kits include a Z-axis CNC leadscrew, motor-mount kits with stepper motor mounts, 67127 standard stepper motors, 8760 4-axis driver box, cables, and CNC software.

P/N Inch (Metric)	Description	Price
6701 (6711)	**5000/5400-series mills CNC upgrade**—Includes 6700/6710 mount kit with three stepper motor mounts, three stepper motors, 4-axis driver box, cables, and CNC software.	$1,146.60
6706 (6716)	**2000-series mill CNC upgrade**—Includes 6705/6715 mount kit with three stepper motor mounts, three stepper motors, 4-axis driver box, cables, and CNC software.	1,146.60
8758 (8759)	**5800-series mill CNC upgrade**—Includes 6758/6759 mount kit with three stepper motor mounts, three stepper motors, 4-axis driver box, cables, and CNC software.	1,185.60
6721 (6726)	**4000/4500-series lathes CNC upgrade**—Includes P/N 6720/6725 mount kit with two stepper motor mounts, two stepper motors, 4-axis driver box, cables, and CNC software.	1,015.56
6731 (6736)	**4400-series lathes CNC upgrade**—Includes P/N 6730/6735 mount kit with two stepper motor mounts, two stepper motors, 4-axis driver box, cables, and CNC software.	1,026.48

NOTE: You must provide the following—A controller or computer, monitor, keyboard, and mouse.

Upgrade from CNC-Ready Machines to Full CNC (w/o Computer Controller)

CNC-Ready to Full CNC upgrade kits include stepper motors, 8760 4-axis driver box, cables, and CNC software.

P/N	Description	Price
8765	**Any CNC-Ready Sherline lathe CNC upgrade**—Two 67127 standard stepper motors, 4-axis driver box, cables, and CNC software.	$797.16
8766	**Any CNC-Ready Sherline lathe CNC upgrade**—Two 67126 hi-torque stepper motors, 4-axis driver box, cables, and CNC software.	832.00
8770	**Any CNC-Ready Sherline mill CNC upgrade**—Three 67127 standard stepper motors, 4-axis driver box, cables, and CNC software.	879.06
8771	**Any CNC-Ready Sherline mill CNC upgrade**—Three 67126 hi-torque stepper motors, 4-axis driver box, cables, and CNC software.	931.32
8775	**Any CNC-Ready Sherline shop package CNC upgrade**—Five 67127 standard stepper motors, 4-axis driver box, cables, and CNC software.	1,021.02
8776	**Any CNC-Ready Sherline shop package CNC upgrade**—Five 67126 hi-torque stepper motors, 4-axis driver box, cables, and CNC software.	1,108.12

NOTE: You must provide the following—A controller or computer, monitor, keyboard, and mouse.

Mill CNC Ball Screw Retrofit Kits

P/N	Description	Price
6800	**Mill Z-Axis Ball Screw Retrofit Kit** includes a ball leadscrew, stepper-motor coupling, vertical milling column saddle for ball screw, and column saddle Z-axis ball nut mount	$631.38
6810	**Mill X/Y-Axes Ball Screw Retrofit Kit** includes ball leadscrews, stepper-motor coupling, and the ball screw mill saddle (with nickel/Teflon plate)	1,245.17
6830	**Mill Ball Screw X/Y/Z-Axes Retrofit Kit** includes ball leadscrews, stepper-motor couplings, and the ball screw mill saddle (with nickel/Teflon plate) for the X/Y-axes, and a ball leadscrew, stepper-motor coupling, vertical milling column saddle for ball screws, and column saddle Z-axis ball nut mount	1,876.16

Ordering your new Ball Screw Retrofit Kits. You will need to supply the following information for your current machine so we can ensure you receive the correct length of the ball screw for each axis:

Machine Model: _____   Mill Table Length: _____   Mill Base Length: _____   Mill Column Bed Length: _____

Does your vertical milling column base have a 1/2" through-hole for the Y-axis Brass Cover Tube?