

TENNSMITH's LM1010 / LM1210 is equipped with a standard "Go-To" 30-inch back gauge system. The ball screw-driven back gauge provides quick, accurate cuts. The operator simply inputs a dimension, and then presses enter, and the gauge automatically positions to that number. Please call for more details. The LM1010 is also available with the unique 2x back gauge system (LM1010-2x). This allows the operator to move the backstop from 0 to 30 inches in approximately 2 seconds with only two rotations of the handle. An optional digital readout is available for this system.



The LM Series shears are standard with four-edge, high carbon, high chrome blades, independent, self-leveling hold down feet with neoprene inserts, single, continuous and jog stroke cycles, motor reverse switch, precision-machined table with hand well, dual inch/metric inlaid bed scales and non-metallic gibs.

The rated capacity of the LM1010 is 10-gauge mild steel, 14-gauge stainless up to 121 inches in cutting length.

The rated capacity of the LM1210 is 10-gauge mild steel, 14-gauge stainless up to 145 inches in cutting length.

To enhance productivity, optional equipment available for the machine includes: five or ten-foot squaring arm, front support arms, light beam and protractor attachments. Please contact for a complete listing of optional equipment. The LM1010 / LM1210 also have available an air operated sheet support system. This system is available as Rear Return Only: System R drops the support material to the rear of the machine. Please call for details.

The LM series shears are available in a reduced price "Performance Package" configuration. The Performance Package includes: a five-foot squaring arm, a pair of front support arms, and air operated sheet support system. Performance "R" system is for rear return.



Models LM412, LM510, LM810, LM1014 and LM1214 are standard with the back-gauge system shown with optional digital readout. This unique design allows the operator to move the backstop the complete travel from 0 to 24 inches or 0 to 30 inches with the two rotations of the handle. The 2x-F system is more advantageous than powered back gauge units due to the tremendous speed advantage. The system includes a brake for accurate repeat cuts. The unit utilizes a 24-inch dual inch/metric scale. Longer back gauge ranges and optional digital readout are available.

The back-gauge system of the LM1010 shear features ball screws which provide accuracy and repeatability throughout the 30-inch back gauge travel. The back gauge is powered by a 3/4-hp gear motor and controlled by a "GO TO" control system with stroke counter. An optional rear drop sheet support system is available for the LM1010.



Standard features for the LM1010 control box include: selection for continuous or single cutting stroke, and jog button with reverse switch. A "GO TO" back gauge control pad with stroke counter allows quick, accurate back gauge positioning up to 30 inches.

Independent, spring loaded, self-leveling hold-downs exert uniform pressure on work piece, ensuring an accurate cut. The plungers have neoprene inserts to prevent marring the surface of the piece.

NOTE: Safety guard has been removed for photo purposes only.



Example 1: Illustrates the sheet support system

Example 2: Illustrates longer material being sheared by sliding material under the backstop. Most competitors are limited to 24" or 30", and longer pieces cannot be sheared like a TENNSMITH.



The optional four-foot squaring arm is a precision gauge, which can be mounted left or right and has inlaid inch/metric scaling and adjustable guide block. Also available in ten and twelve-foot lengths. A toggle on the block lets sheet stock slide underneath, then pivots to the stop position.



### LM Series Options and Accessories:

- \* Squaring Arm, Five Foot with Dual Inlaid Inch/Metric Scale
- \* Squaring Arm, Ten Foot with Dual Inlaid Inch/Metric Scale
- \* Additional Flip-up Stops for Squaring Arm (each)
- \* Front Support Arms, Pair
- \* T-Slotted Table with Two Front Support Arms with Inlaid Inch/Metric Scales
- \* Additional Flip-up Stops for T-Slotted Support Arms and Table (each)
- \* Power Go-To Back gauge 30 Inch Travel
- \* Protractor Attachment
- \* Work Shadow Light LM Series
- \* Stroke Counter for LM Series (Electro-Mechanical)
- \* Digital Readout for 2x Back gauge System
- \* Increased Cutting Speeds (Please consult factory) \*

Low-Profile Mechanical Shears	LM1010	LM1010-2X	LM1210
Maximum shearing capacity, mild steel	10 gauge / 3.5 mm	10 gauge / 3.5 mm	10 gauge / 3.5 mm
Maximum shearing capacity, stainless steel	14 gauge / 2.0 mm	14 gauge / 2.0 mm	14 gauge / 2.0 mm
Maximum cutting length	121 in./3073 mm	121 in./3073 mm	145 in./3683 mm
Back gauge range	30 in./762 mm (Go-To)	30 in./762 mm (2x)	30 in./762 mm (Go-To)
Strokes per minute, full length	35	35	35
Number of holddown feet	16	16	18
Motor-230/460v, 3-phase, 60Hz	12.5 hp	12.5 hp	2 x 7.5 hp
Dimensions, less gauges, LxWxH	145 x 39 x 60 in. 3683 x 991 x 1511 mm	145 x 39 x 59-1/2 in. 3683 x 991 x 1511 mm	169 x 39 x 60 in. 4293 x 991 x 1524 mm
Floor space, gauges in position	145 x 78 x 60 in. 3683 x 1981 x 1524 mm	145 x 78 x 60 in. 3683 x 1981 x 1524 mm	169 x 78 x 60 in. 4293 x 1981 x 1524 mm
Shipping weight	9,400 lbs./4272 kg	9,400 lbs./4272 kg	11,400 lbs./5182 kg