

LM1014 capacities are 14-gauge mild steel, 18-gauge stainless up to 121 inches in cutting length.

LM1012 capacities are 12-gauge mild steel, 16-gauge stainless up to 121 inches in cutting length.

LM1214 capacities are 14-gauge mild steel, 18-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, digital readout, light beam and protractor attachments.



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.

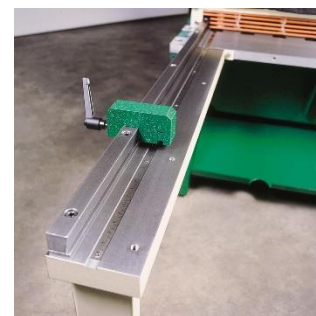


Example 1: Illustrates the sheet support system

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.



LM1014, LM1012 and LM1214 can be delivered with an optional air operated sheet support system. This system is available in two styles: System-R drops the support material to the rear of the machine; System-F returns the supported material to the front of the machine via a front return chute.

All 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, Performance “F” system is for front return. A moveable Material Cart is available for both Front and Rear Return machines. (LM1014, LM1012 and LM1214 only) Please call for details.

Low-Profile Mechanical Shears	LM1012	LM1014	LM1214
Maximum shearing capacity, mild steel	12 gauge/2.7 mm	14 gauge/2.0 mm	14 gauge/2.0 mm
Maximum shearing capacity, stainless steel	16 gauge/1.6 mm	18 gauge/1.25 mm	18 gauge/1.25 mm
Maximum cutting length	121 in./3073 mm	121 in./3073 mm	145 in./3683 mm
Back guage 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	16
Motor-230/460v, 3-phase, 60Hz	7.5 hp	5 hp	7.5 hp
Dimensions, LxWxH	140 x 72 x 56 in. 3556 x 1829 x 1423 mm	143 x 72 x 56 in. 3632 x 1829 x 1423 mm	164 x 72 x 56 in. 4166 x 1829 x 1423 mm
Shipping weight	6,400 lbs./2910 kg	5,900 lbs./2682 kg	7,530 lbs./3423 kg

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) *