

## TENNSMITH LOW-PROFILE SHEARS



Models LM410, LM610, LM810, LM1010, LM1012, LM1014 and LM1214 incorporate the unique 2x back gauge system. This allows the operator to move the backstop from 0 up to 30 inches (0 to 24 inches for Model LM410) 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 chromium (HCHC) top and bottom blades, solid-bar hold-down with non-marring urethane insert, single, continuous and job stroke cycles, motor reverse switch, precision-machined table with hand well, dual inch/metric inlaid bed scales and non-metallic gibs. The LM410 model incorporates all of the popular LM series features into this 52-1/2" cutting length, 10-gauge mild steel capacity shear. Model LM610 has a rated capacity of 10-gauge mild steel with a maximum cutting length of 60-1/2 inches.

Tennsmith's LM1010 is standard equipped with a 30-inch powered back gauge system. The ballscrew-driven back gauge provides quick, accurate cuts. The LM1010 is powered by a 12-1/2-hp gear motor attached to a mechanical linkage which provides smooth, quiet operation.

The LM1010 is rated at a maximum of 10-gauge material with a cutting width of 121 inches. To enhance productivity, optional equipment available for the machines include: five or ten-foot squaring arm, front support arms, light beam and protractor attachment. A rear drop sheet support system is available for the LM1010.

Additionally, the LM1010-2x is equipped with the popular 2x manual back gauge option. This allows the operator to move the backstop from 0 to 30 inches in approximately two seconds with only two rotations of the handle. An optional digital readout is available for this system.

### LM PERFORMANCE PACKAGE

The LM Series shears are now available in an optional "Performance Package" configuration which includes a 5' squaring arm, a pair of front support arms, and an air operated sheet support is available in two styles:

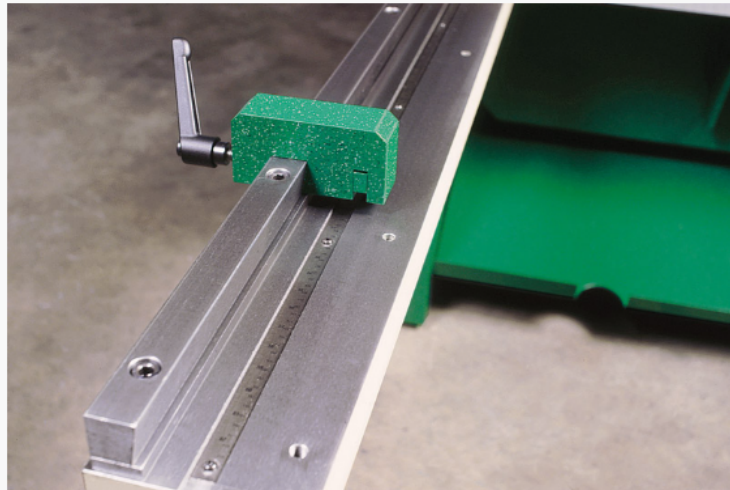
System R drops the supported material to the rear of the machine.

System F returns the supported material to the front of the machine via a front return chute.

## AVAILABLE OPTIONS

### OPTIONAL DIGITAL READOUT

With the combination of the optional digital readout for 2x back gauge system, the operator adds both speed and great accuracy to the job. The optional digital display shows measurements in 0.001” increments. Longer travel ranges are available by request.



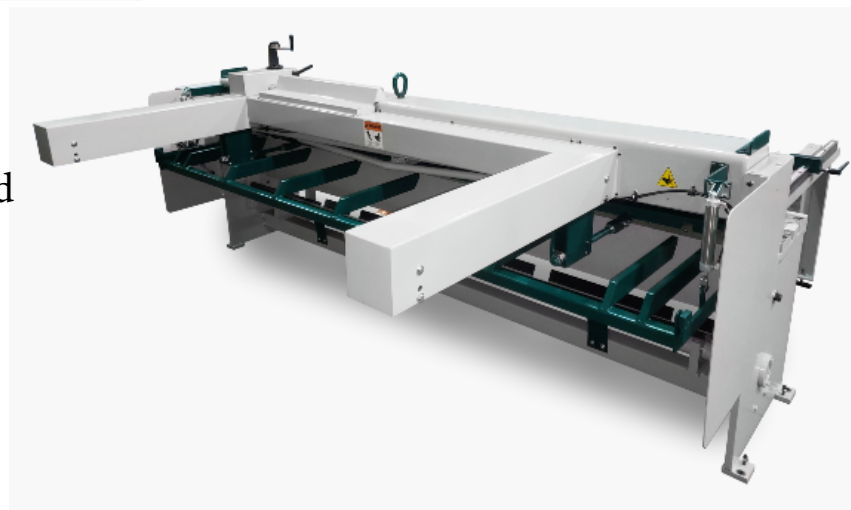
### OPTIONAL SQUARING ARM

The optional five-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.

### OPTIONAL POWERED BACK GAUGE SYSTEM

The optional powered back gauge system features a twin ball screw design which provides accuracy and repeatability. The standard travel range is 30-inches, longer travels are available. The back gauge is powered by a 3/4-hp gear motor and operated by a powered control system. Models LM1010 and LM1210 are standard with this system.



### MORE AVAILABLE OPTIONS

- Five-foot squaring arm
- 10-foot squaring arm
- Front support arms
- T-slotted table (supports arms with inlaid inch/metric scales)
  - Material cart (MSE1016 and LM1014)
    - Stroke counter
    - Protractor for angled cuts
  - Go-To ball screw driven back gauge
  - High speed motors for increased cutting cycles
- Air-operated sheet support system (front or rear return)
  - Performance Packages

## MODEL SPECIFICATIONS

	LM410	LM610	LM810	LM1010	LM1210	LM1012	LM1014	LM1214
Capacity, Mild Steel	10 Gauge 3.5 mm	10 Gauge 3.5 mm	10 Gauge 3.5 mm	10 Gauge 3.5 mm	10 Gauge 3.5 mm	12 Gauge 2.7 mm	14 Gauge 2.0 mm	14 Gauge 2.0 mm
Capacity, Stainless Steel	14 Gauge 2.0 mm	14 Gauge 2.0 mm	14 Gauge 2.0 mm	14 Gauge 2.0 mm	14 Gauge 2.0 mm	16 Gauge 1.6 mm	18 Gauge 1.25 mm	18 Gauge 1.25 mm
Maximum Cutting Length	52-1/2 in./1334 mm	60-1/2 in./1525 mm	97 in./2464 mm	121 in. 3073 mm	145 in. 3683 mm	121 in. 3073 mm	121 in. 3073 mm	145 in. 3683 mm
Back Gauge Range	24 in./610 mm	24 in./610 mm	30 in./762 mm	30 in. 762 mm	30 in. 762 mm	30 in. 762 mm	30 in. 762 mm	30 in. 762 mm
Strokes Per Minute, Full-Length	35	35	35	35	35	35	35	35
Motor-230/460v, 3-Phase, 60Hz	7.5 hp	7.5 hp	10 hp	12.5 hp	2 x 7.5 hp	7.5 hp	5 hp	7.5 hp
Number of Holddowns	8	12	14	16	18	16	Solid bar with non-marring urethane insert	18
Floor Space, Gauges in Position	72 x 68 x 55-1/2 in. 1829 x 1753 x 1410 mm	81 x 69 x 56 in. 2058 x 1753 x 1423 mm	116 x 72 x 56 in. 2947 x 1829 x 1423 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	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	3,400 lbs./1542 kg	4,000 lbs./1815 kg	6,800 lbs./3091 kg	9400 lbs. 4272 kg	11400 lbs. 5182 kg	6400 lbs. 2910 kg	5900 lbs. 2682 kg	7350 lbs. 3423 kg