

GAUER

EDGING MACHINES

CUT-TO-LENGTH UNIT

Model 9H-CTL

This edge conditioning and cut to length unit is capable of producing flat, straight and edged bar or strip from slit coils in one completely automatic operation. Set up for various widths and lengths is fast and easy, requiring no part changes. Simply replacing one pair of edging rolls is all that is needed to accomodate different stock

thicknesses. Having all necessary processing functions combined on one compact base means important savings in installation costs and valuable plant space. Quality of design and construction ensure dependable production performance with a minimum of maintenance.

Check these fine features, and see if you don't agree that the Gauer 9H-CTL machine offers the best solution to the problem of economical strip and bar production from slit coils.

STRAIGHTENING SECTION

Entering pinch rolls followed by six straightening rolls. Three top rolls adjusted by sliding wedge mechanism, all other rolls driven by enclosed gears - no chains.

EDGING SECTION

Six rolls - pressure applied hydraulically. Gauges and indicating lights provide fast and easy set up and duplication of previous results.

PINCH ROLL SECTION

Driven rolls eliminate build up caused by edging - strip has uniform thickness. Pressure and mechanical adjustments aided by lights and gauges. Simple crank adjustment controls camber, allowing operator to instantly compensate for varying camber conditions in coil without stopping strip.

SHEAR

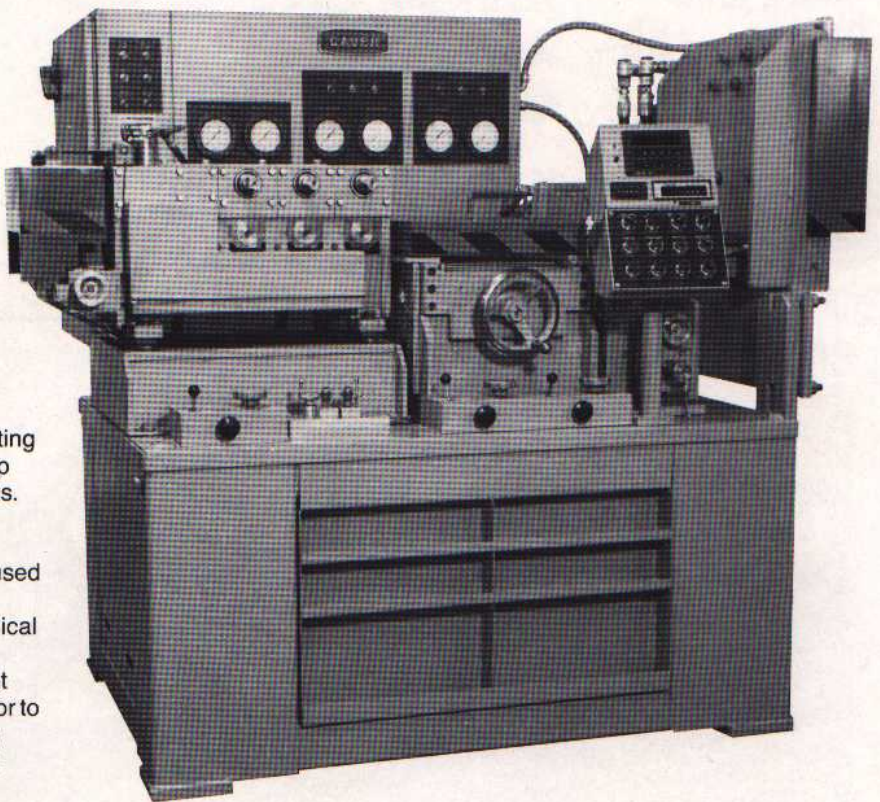
Hydraulic operation with simple, maintenance free wedge mechanism. Replaceable blades have four usable cutting edges.

CONTROL STATION

Convenient location. All solid state electronic length control equipment is contained in a separate, plug-in enclosure to minimize any possible field maintenance problems.

SAFETY GUARDS

Entrance, edging stage and shear guards - interlocked with machine operation.



TO THIS ...



CONVERT THIS ...



OR THIS ...



OR THIS

GENERAL DESCRIPTION

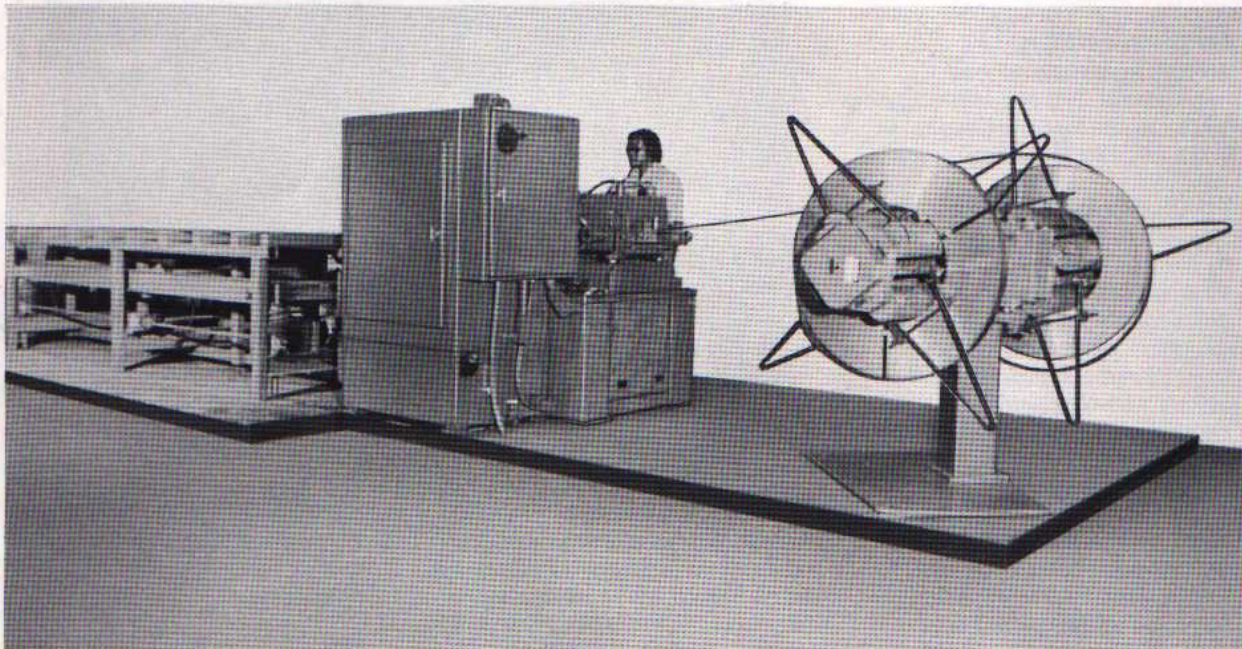
All rolls in contact with the stock are hardened and ground tool steel. These are supported by anti-friction radial and thrust bearings with ample grease reservoirs for longer lubrication intervals. Rolls are driven with direct coupled hydraulic motors that can provide the wide range of torque necessary to handle the lightest strip to the heaviest bar stock without buckling or stretching problems between stages. An additional benefit of this type of drive is that damaging forces can not be built up during a stall condition. Operating oil temperature is held to a conservative level by a fan and radiator combination.

Piece length is controlled by an electronic counter operating from a shaft encoding device coupled to the lower pinch roll. The piece length desired is simply entered into the counter by push buttons and a readout of the length is displayed before the shear operates. Acceleration from and deceleration to the stopped cut off position can be adjusted to suit coil weight, length accuracy required, speed, and cycle time. A separate counter is provided to stop the machine at any selected count.

Coil to coil operation can be achieved by simply setting a selector switch, swinging the shear aside and employing a suitable recoiler.

SPECIFICATIONS

MATERIAL	Cold and hot rolled steel, stainless steel, aluminum, copper and brass.
STOCK SIZE	1/2" to 10" wide; 20 ga. to 3/16 thick.
LENGTH ACCURACY	Within 1/16".
SPEED	Up to 250 FPM (variable).
EDGING ROLLS	Unit is furnished with three pairs of rolls. Additional rolls are available.
POWER	230/460 volt, 3 phase, 60 hertz is standard. 43 total horsepower.



Gauer has been supplying industry with high quality products since 1946. Contact us today for more information on this unit or our complete line of edging & deburring machines and related equipment. Samples of materials edged on our machines are available for your inspection upon request.

S **SEMTEC INC.** **C.**
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