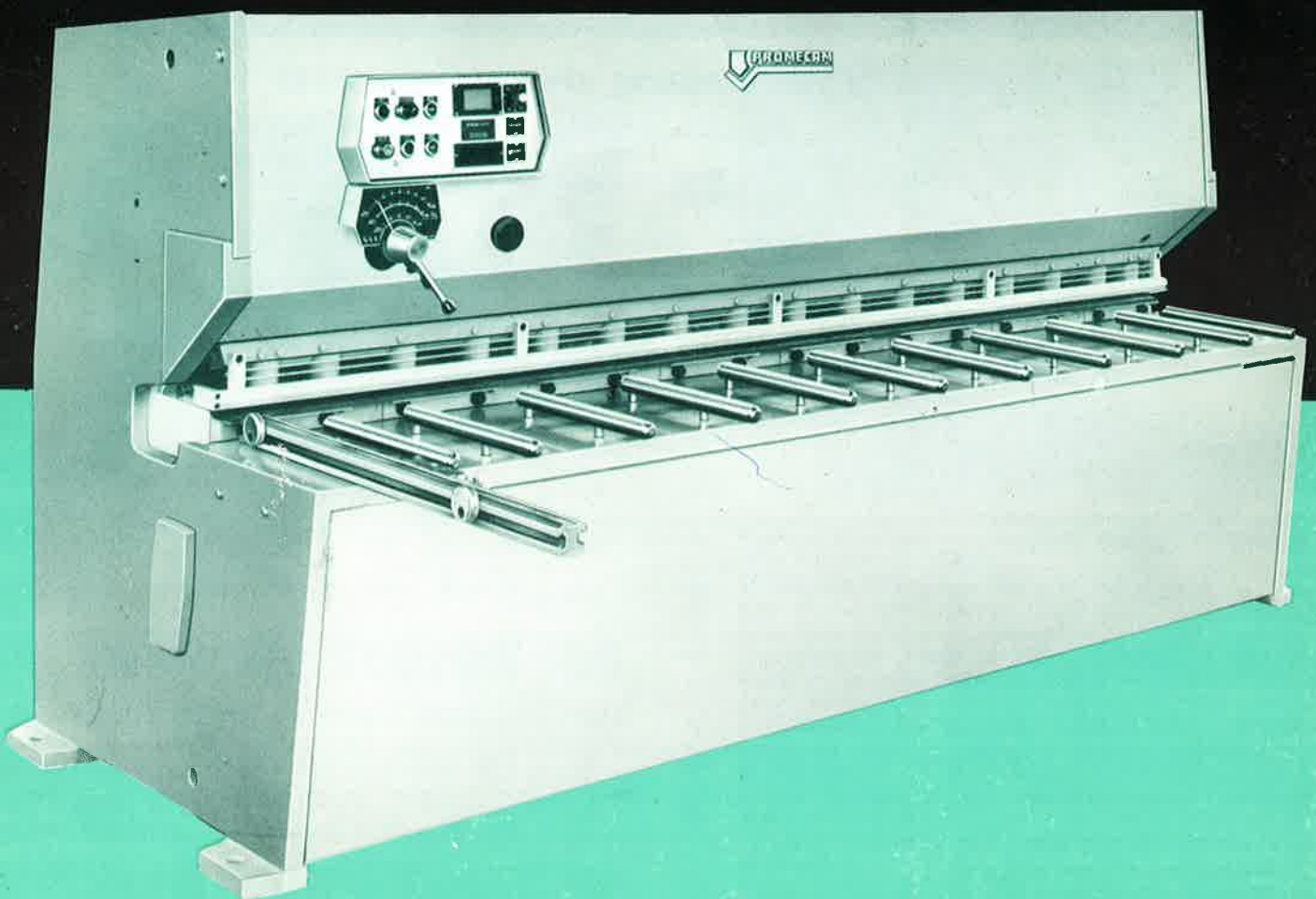




PROMECCAM
HYDRAULIC
SHEARS



✓ Shear Better Blanks with PROMECAM'S Advanced Designs, Exclusive Controls and Unique Accessories

Blanks with precision accuracy / Burr-free sheets / Plates with smooth square edges / Mark-free polished sheets / Soft materials sheared without marking / Narrow strips with little or no distortion.

✓ Reduce Shearing Costs with PROMECAM

Adjustable cycling speed for optimum production / Heavy plates and sheets positioned fast and easily / Quick set-up; change knife clearance and rake angle instantaneously / Shear precisely to scribed line without trial or error.

✓ Increase Profits with PROMECAM'S Versatility

Shear over capacity plate without overloading shear / Progressively shear (slit) long sheets quickly and easily with Promecam accessories / Shear deeper than back gauge range / Cut circles on squaring shear / Pin gauge to prepunched holes on standard shear / Back gauge thin magnetic and non-magnetic sheets.

✓ Much Less Maintenance with PROMECAM

No daily lubrication / No galling of ways with ball bearing gibbing / Rotate light weight knives in 2 hours / No massive foundations — reduced installation cost.

✓ Extra Safety with PROMECAM

Frame, hydraulic and electrical equipment fully protected against overload / All shears provided with emergency stop palm button / Injury proof — All critical parts totally enclosed / Knife and hold-downs guarded to protect operator's fingers.

PROMECAM HYDRAULIC SHEAR SPECIFICATION SHEET

Nominal Shearing Capacity†	Model Number	Series	Max. Shearing Capacity at Center	Max. Full Length Capacity	Throat Depth	Back* Gauge Range	Strokes Per Minute	Overall Dimensions			Approx. Shipping Weight	Horse-Power
								Length	Width	Height		
3/8" x 12'	4000Z5	100	1/4" x 5'	3/8" x 13'3"	2 1/2"	40"	20 to 55	14'3"	7'0"	5'7"	23,000	12
3/8" x 12'	4000A5	100	1/4" x 5'	3/8" x 13'3"	20"	40"	20 to 55	14'5"	7'0"	5'7"	26,500	12
1/4" x 10'	3100Z6	100	5/8" x 4'	1/4" x 10'2"	2 1/2"	40"	20 to 55	11'2"	7'0"	5'7"	16,500	12
1/4" x 10'	3100A6	100	5/8" x 4'	1/4" x 10'2"	20"	40"	20 to 55	11'4"	7'0"	5'7"	20,000	12
3/8" x 6'	2000Z10	100	1/2" x 2'6"	3/8" x 6'7"	2 1/2"	40"	20 to 70	7'8 1/2"	7'0"	5'7"	12,200	12
3/8" x 6'	2000A10	100	1/2" x 2'6"	3/8" x 6'7"	20"	40"	20 to 70	7'10"	7'0"	5'7"	16,500	12
1/4" x 12'	4000A8	125	3/8" x 5'	3/8" x 13'3"	20"	40"	20 to 50	14'4"	7'6"	6'0"	29,500	25
3/8" x 8'	2600A10	125	1/2" x 3' 5/8" x 3'	3/8" x 8'8"	20"	40"	17 to 68	9'9"	7'0"	6'0"	22,000	25
3/8" x 10'	3100A10	125	5/8" x 4' 1/2" x 4'	3/8" x 10'2"	20"	40"	16 to 64	11'4"	7'0"	6'0"	25,500	25
3/8" x 12'	4000A10	125	1/2" x 6'	3/8" x 13'3"	20"	40"	18 to 45	14'4"	7'6"	6'0"	31,000	30
1/2" x 8'	2600A12	125	5/8" x 3'	1/2" x 8'8"	20"	40"	17 to 68	9'9"	7'0"	6'0"	23,500	30
1/2" x 10'	3100A12	125	5/8" x 4'	1/2" x 10'2"	20"	40"	16 to 64	11'4"	7'0"	6'0"	26,000	30

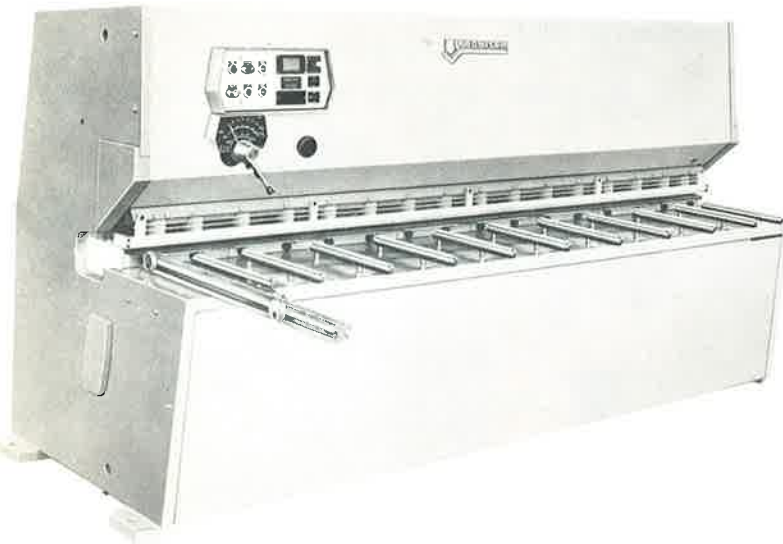
†Mild steel 60,000 PSI tensile

On Series 100, 20 to 30 SPM without stroke selector. (option)

*Back gauge easily retractable for blanks over 40"

Rake angle dependent on shear and capacity fully adjustable. 30" and 40" deep throats available.

Specifications and designs subject to change without notice; Certified dimension sheets available upon receipt of order.



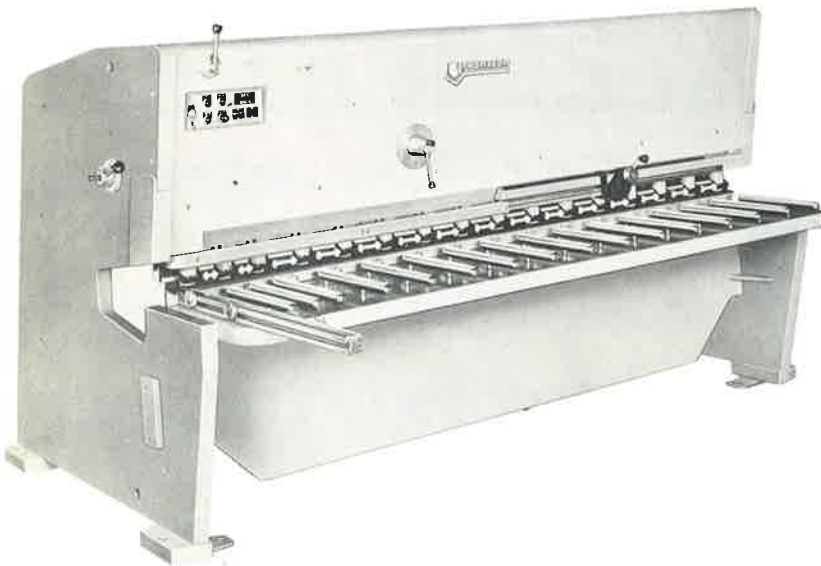
SERIES 100

The Series 100 Promecam Hydraulic Shear has been developed for precision shearing of thin and medium sheets ranging from 28 gauge to $\frac{1}{4}$ " for both custom job shops and for high production, low cost shearing required in large plants.

It features the synchronized adjustment of knife clearance and rake angle which can be quickly and simply set-up for different metals, alloys and thicknesses.



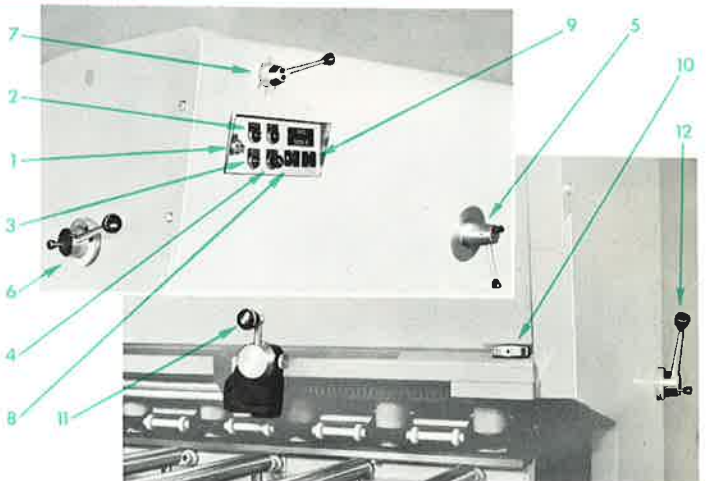
1. Key Switch turns power on; stops motor in emergency, and locks the machine for safety.
2. Green Light indicates that power is on.
3. Push Button starts the motor.
4. Cycle Selector chooses between single stroke operation or continuous automatic operation.
5. Lever to select the synchronization ratio (ratio between knife clearance and rake angle) according to the physical characteristics of the metal.
6. Lever to automatically vary knife clearance and rake angle for various thicknesses.
7. Speed Selector adjusts the cutting length and cycling speed.*
8. Push Buttons control motorized back gauge.*
9. Optical Read-out indicates back gauge setting.
10. Knob for accurate setting of final adjustment of back gauge (hand wheel supplied with front operated manual back gauge).
11. Micrometer Dial reads back gauge setting within .001". Supplied with motorized back gauge.
12. Stroke counter resetable to zero records number of cuts during each production run.*
13. Totalized Stroke Counter records total number of strokes over life of shear.



SERIES 125

The Series 125 Promecam Hydraulic Shear combines a number of adjustments that permit one single shear to cut a wide range of sheet and plate from 28 gauge to $\frac{5}{8}$ " plate with minimum distortion, minimum burr and maximum accuracy at maximum cycling speed.

The knife clearance, the rake angle, and the cycling speed can be independently and instantaneously adjusted for optimum shearing of different alloys, different thickness, and different production rates.



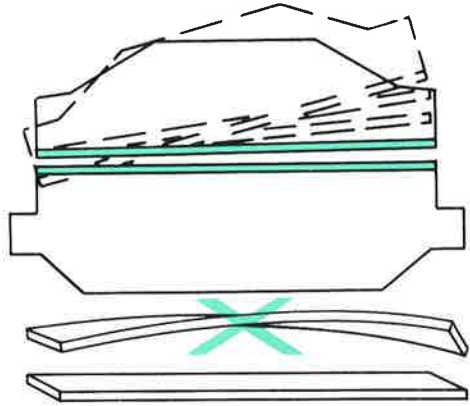
1. Key Switch turns power on; stops motor in emergency, and locks machine for safety.
2. Green Light indicates power is on.
3. Push Button starts motor.
4. Cycle Selector chooses between single stroke operation and continuous operation.
5. Instantaneous rake angle adjustment synchronized with hold-down opening.
6. Instantaneous knife clearance adjustment.
7. Sensativity control adjusts speed, stops, or reverses movement of upper knife.
8. Counter resetable to zero records number of cuts in production run.*
9. Totalizing counter records total number of cuts over life of shear.
10. Speed Selector adjusts cutting length and cycling speed.
11. Front operated manual control of back gauge with lineal optical readout.
12. Control Arm for retracting back gauge.

*Optional

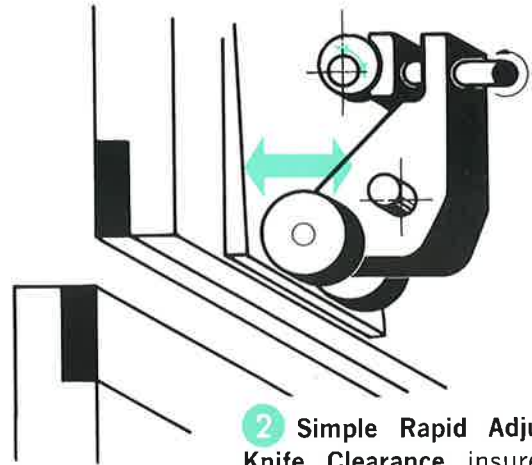
EXCLUSIVE FEATURES OF PROMECAM SHEARS

New Method To Easily Adjust Basic Shearing Ratios.

Better Cut Control Of Different Alloys And Thicknesses By Unskilled Operator.



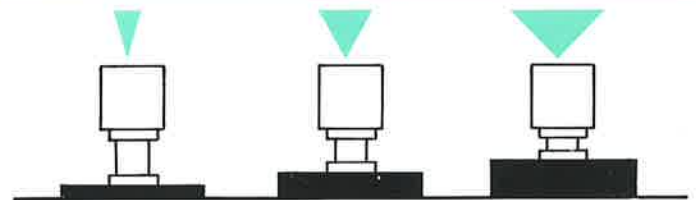
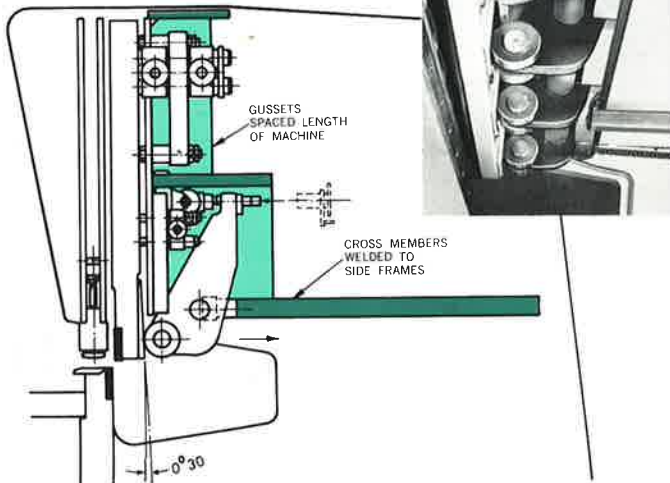
- 1 Full Range Adjustable Rake** easily and quickly sets rake angle for shearing different thicknesses of metal.
- a. Allows wide range to be cut safely with minimum distortion.
 - b. Speeds installation and rotation of knives.



- 2 Simple Rapid Adjustment Knife Clearance** insures perfectly square cut of all thicknesses of blank.

New Dimension In Shearing Accuracy

- 3 Full Length Roller Gibbing** solidly supported by Rigid Welded Box Type Frame maintains precise knife clearance throughout cut length, insures straightness during cut, permits ultra thin sheets to be sheared burr free, and eliminates all scoring.



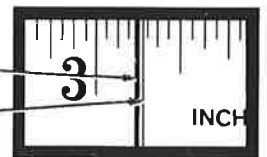
- 4 Closely spaced Hydraulic Hold-downs** with automatic regulation of hold-down pressure to match thickness and hardness of metal being cut. Hold-down approach at low pressure and low speed to eliminate all hammering.

- 5 Precise Setting of Back Gauge** by Magnified Optical Read-out.

ON SERIES 100

FIXED ZERO

ADJUSTABLE ZERO PERMITS MICROMETER SETTING OF BLANK SIZE WITHIN .001"

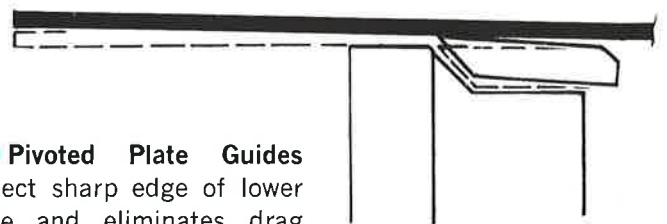


- 6 Four Edge High Strength Light Weight Alloy Knives** (vanadium molybdenum chrome and tungsten chrome), Rockwell C55, remain sharp under heavy shearing; can be quickly installed or rotated.

New Concept For Sheet and Plate Feeding



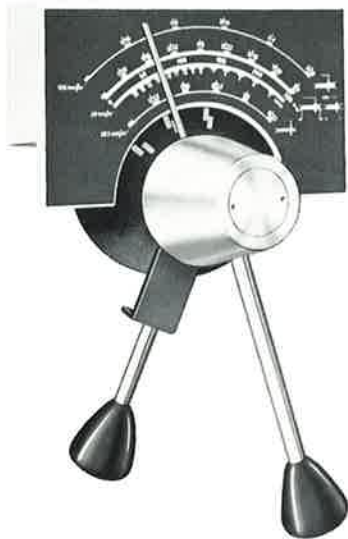
- 7 Hard Chromed Plate Support Rods** minimize friction facilitating easy handling of both sheets and plates.



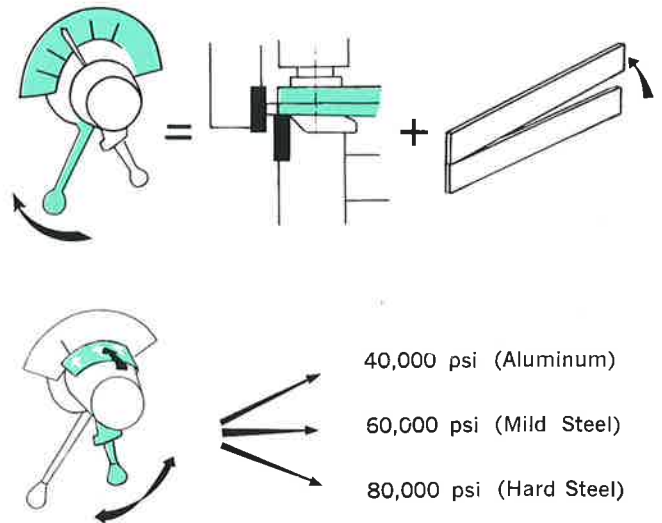
- 8 Pivoted Plate Guides** protect sharp edge of lower knife and eliminates drag of plates.

SPECIFIC FEATURES OF SERIES 100

- 1 Instant selection of Synchronization Ratio (ratio of knife clearance and rake angle) for different strength alloys.
- 2 Synchronized adjustment of knife clearance and rake angle for different metal thicknesses.

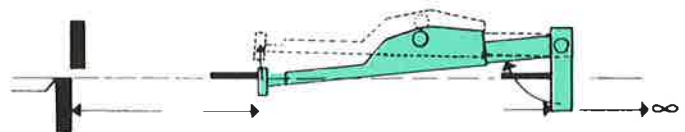
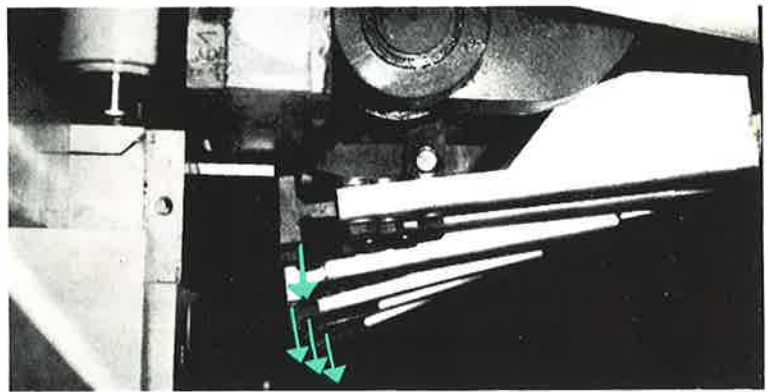


- 3 Push button selection of length of stroke and cycling speed (optional).
- 4 Full length solid back gauge automatically retractable (optionally powered).

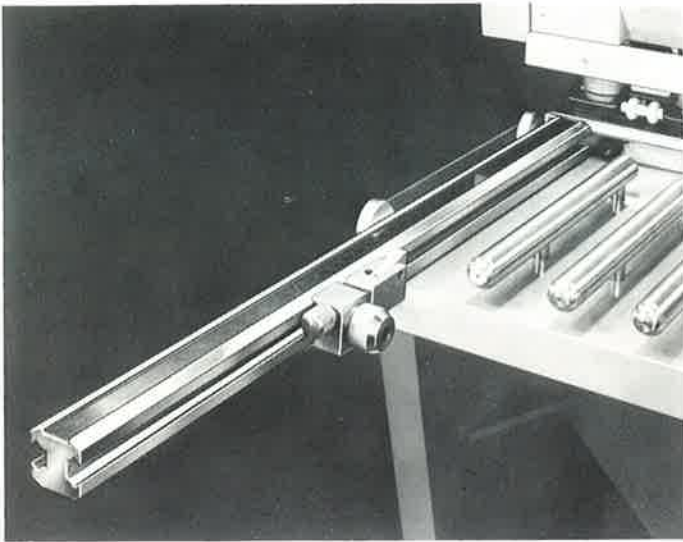


SPECIFIC FEATURES OF SERIES 125

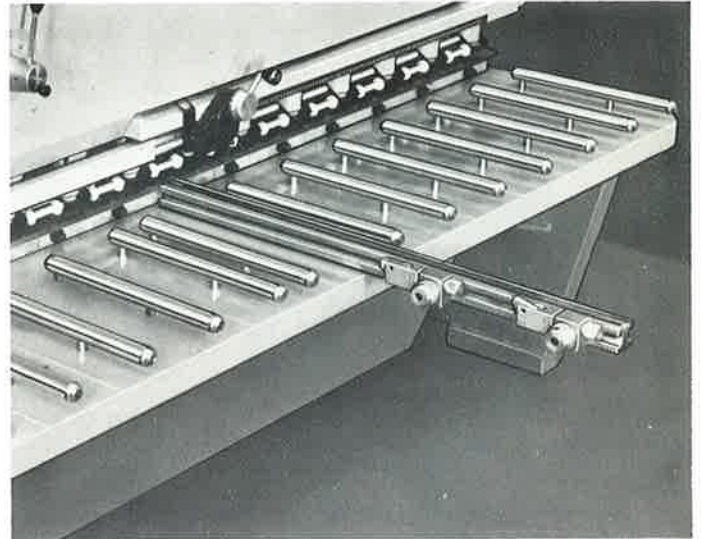
- 1 Independent adjustment of knife clearance and rake angle for better cuts of wide range from 28 gauge up to maximum of $\frac{5}{8}$ ".
- 2 Rake angle can be increased to cut extra heavy plates (Models 2600 and 3100 only).
- 3 Inching control allows upper knife to inch downward or upward.
- 4 Hold-down opening (clearance) synchronized with rake angle adjustment to protect shear against operator error.
- 5 Front controlled manually operated back gauge provided with multiple heads which progressively retract as the shearing point traverses across the knives, thus positively supporting plate until moment of cut. (Optionally powered).
- 6 Back gauge fully retractable for cutting extra long plates.



Front Gauging Equipment:



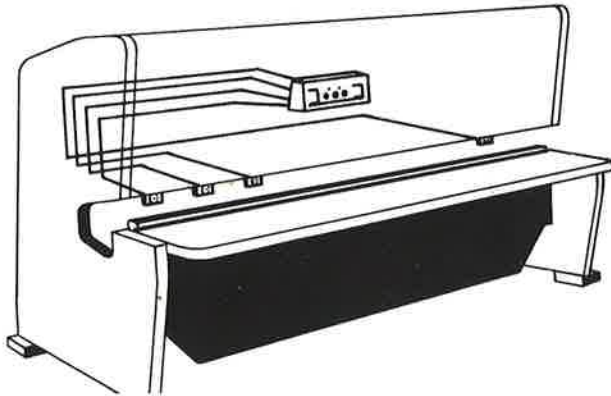
Squaring Arm with Micrometric Disappearing Stops and Scale.



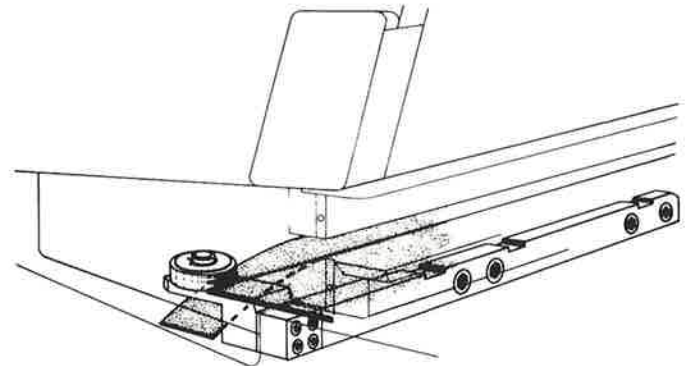
Front Gauge Support Arms with Micrometric Disappearing Stops and Scales.

Rear Gauging Equipment:

Power operated Back Gauge available on Series 100.

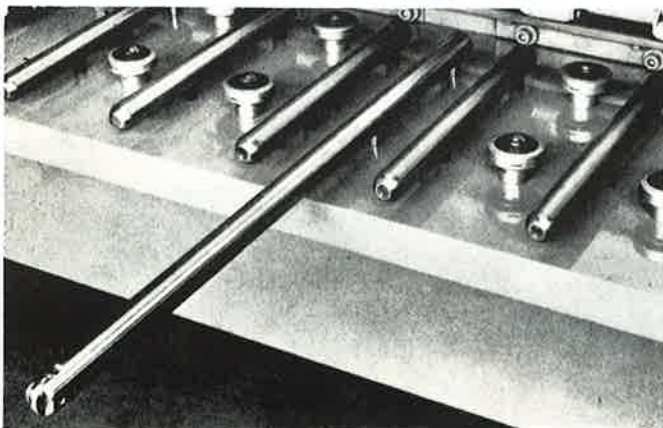


Electronic Probes insure accuracy, speed and production with automatic shearing.

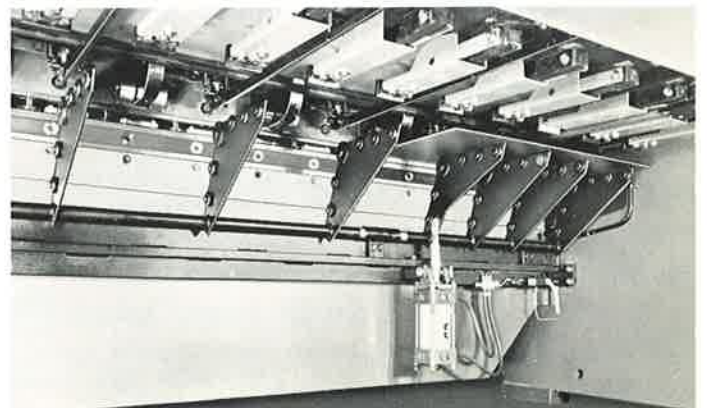


Slitting Gauge for efficient guiding strip into the throat.

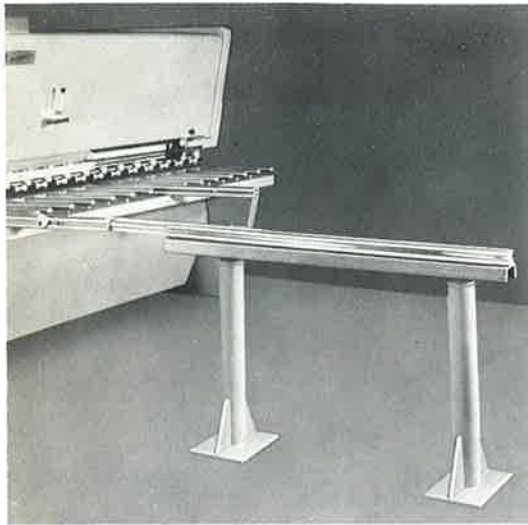
Sheet or Plates Supports:



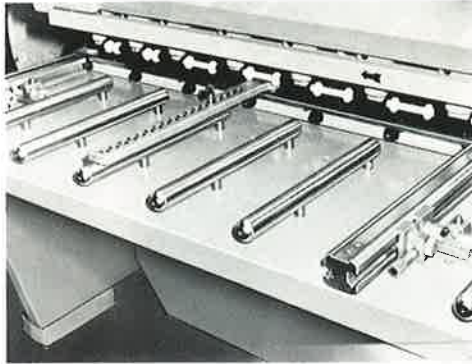
Front Rod Extensions and Ball Transfers for easy handling of heavy plates.



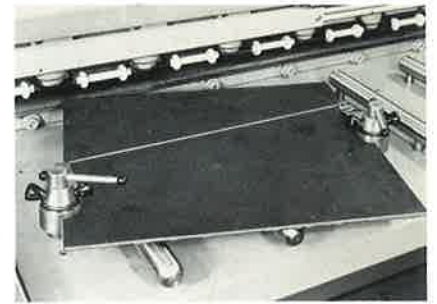
Air Operated Sheet Supports, allowing ferrous or non ferrous light sheets to be back gauged.



Floor Mounted Extensions for blanks longer than 4' with Micrometric Disappearing Stops and Scales.



Pin Gauge for shearing to prepunched holes performs Straight Cutting or Circle Cutting.



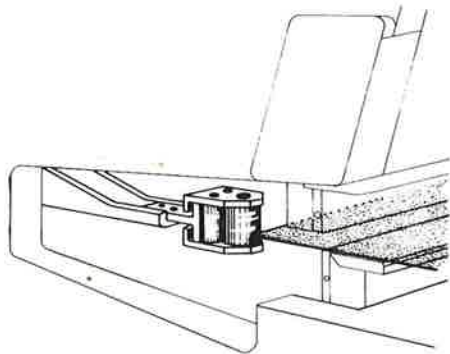
Gauge Clamps for shearing to punch marks or scribed line.



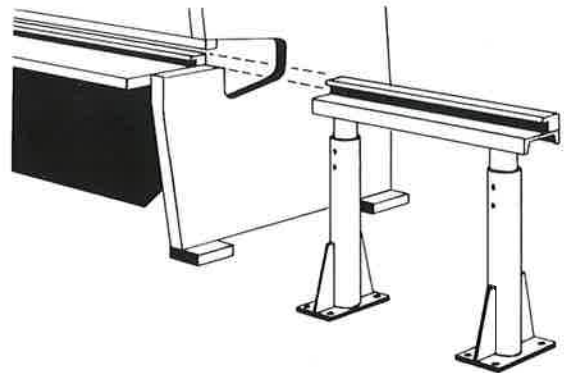
Angle Shearing Attachment with precision protractor.

Progressive Shearing Equipment for Extra Long Sheets:

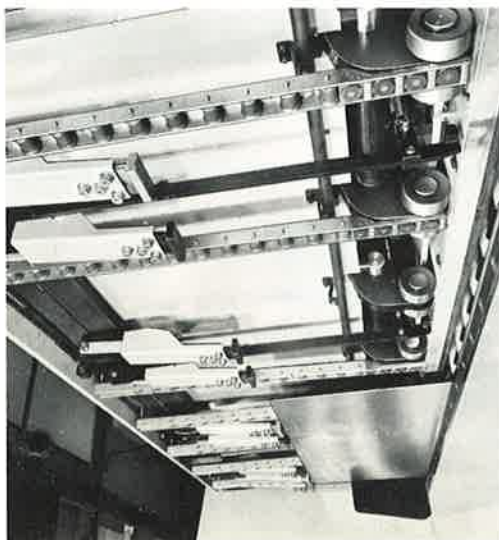
Depths of throat 20", 30" or 40" available.



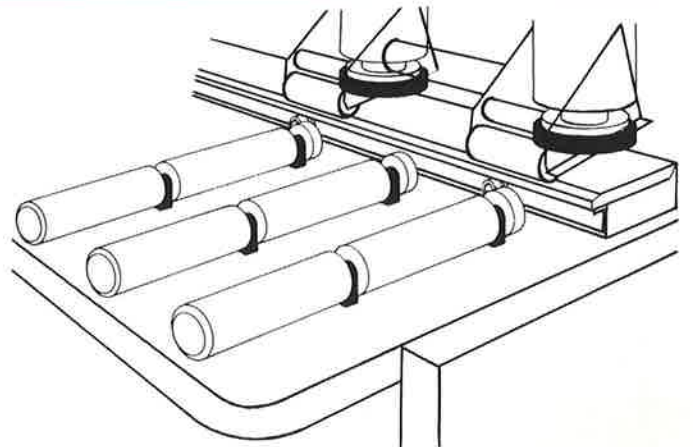
Roller Guide, adjustable on back gauge, for aligning and easy gauging extra long sheets.



Cantilevered and/or Floor Mounted Extension Arms for guiding sheets with gauge clamp.



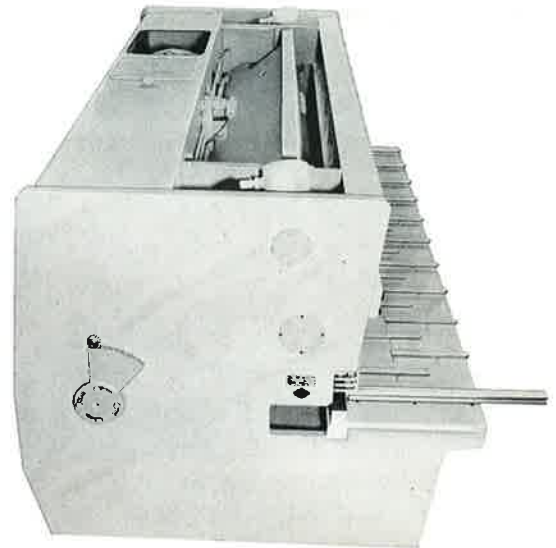
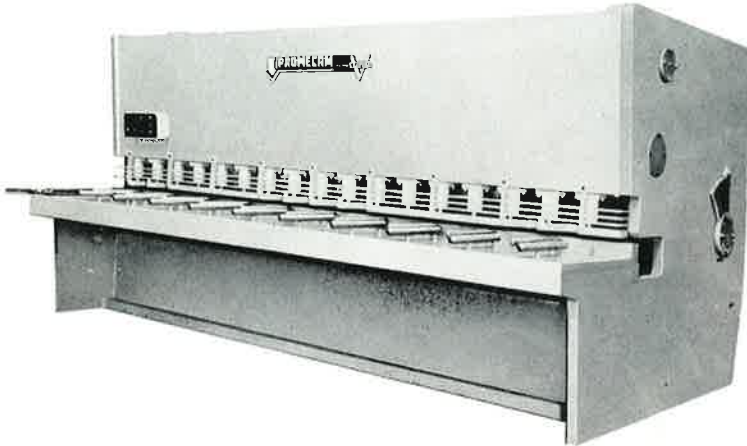
Magnetic Sheet Supports for ferrous material.



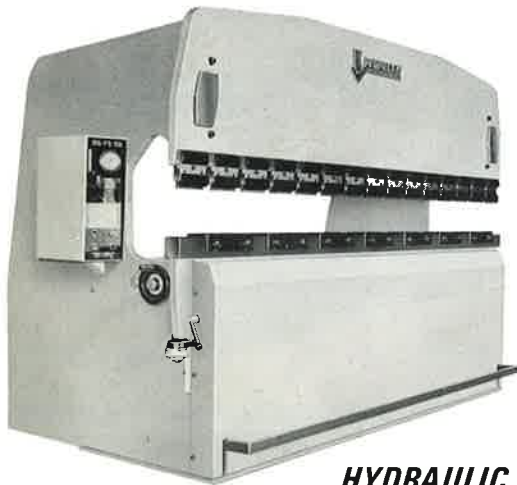
Nylon Table Rods and Rubber Caps with Celoron Pads on hold-down bar to grip polished sheets without marking.



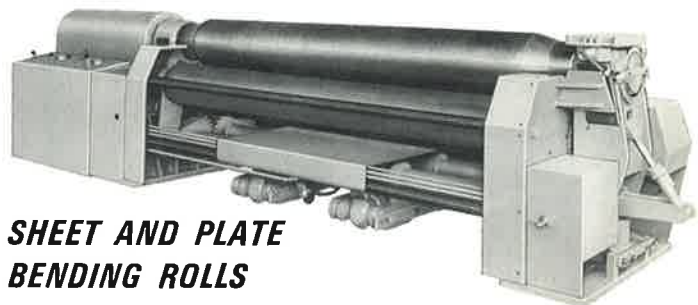
VERRINA SYSTEM HEAVY DUTY PLATE SHEARS *1 1/2" AND LARGER*



OTHER METAL FORMING PRODUCTS



HYDRAULIC PRESS BRAKES



*SHEET AND PLATE
BENDING ROLLS*

PROMECAM *means 20,000 world-wide references*

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