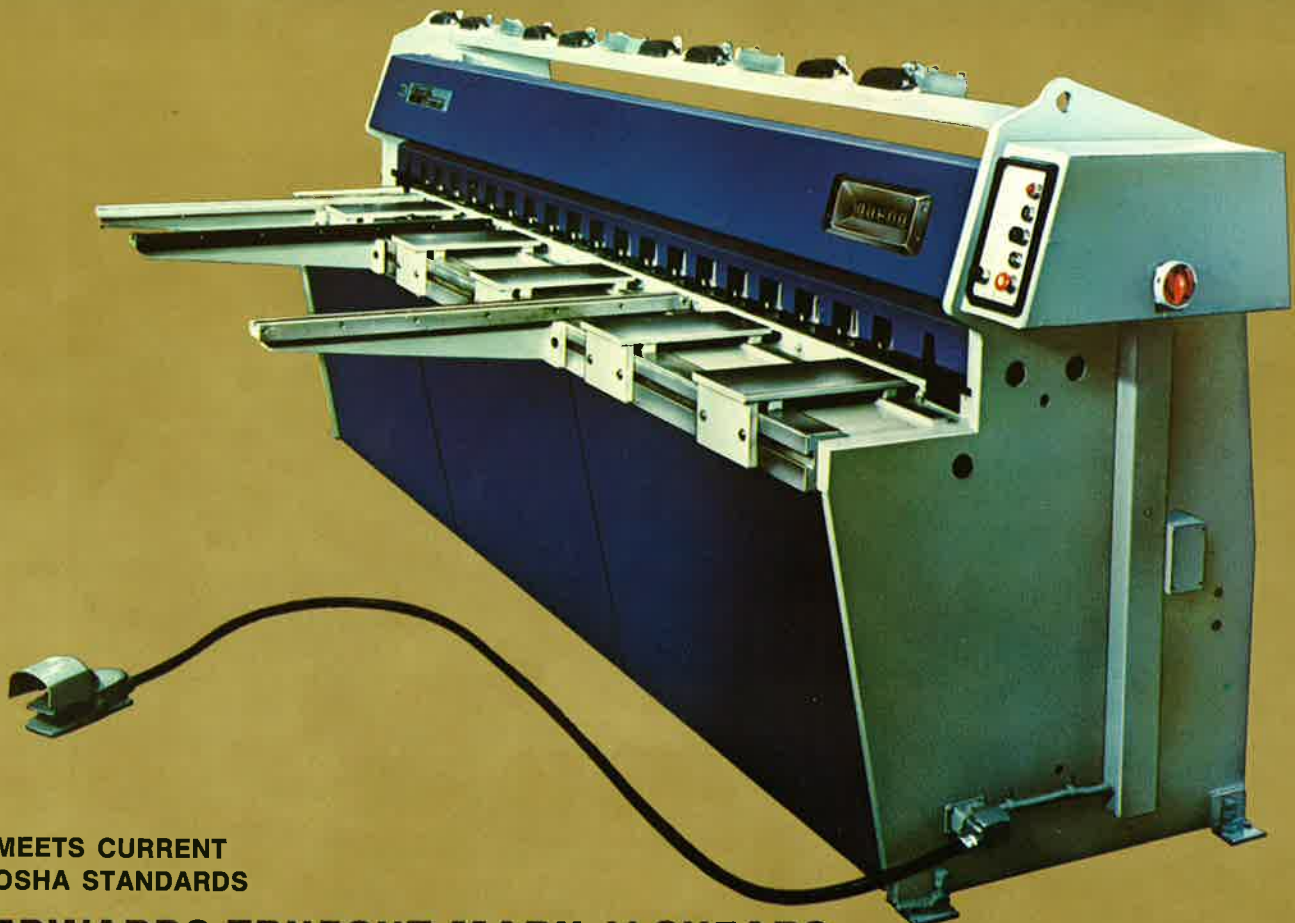


Edwards

# EDWARDS-TRUECUT SHEARS



MEETS CURRENT  
OSHA STANDARDS

**EDWARDS-TRUECUT MARK V SHEARS**

## INDEX

### Edwards-Truecut Mk V Shears

	<i>Page</i>
General Construction	3
Adjustable Table Design	3
Worm Gear Drive	3
Clutch & Brake Unit	3
Electrical Controls	3
Standard Equipment	4
Back Gauges	6 & 7
Optional Equipment	6 & 7
Specifications	8

### Edwards-Truecut DD Shears

	<i>Page</i>
General Construction	9
Brake Motor Drive	11
Electrical Controls	11
Standard Equipment	11
Optional Equipment	11
Specifications	13

# EDWARDS-TRUECUT SHEARS

# EDWARDS-TRUECUT SHEARS

Edwards-Truecut Shearing machines have achieved an international reputation for reliability and trouble-free performance. Thousands of Edwards Shearing machines have been sold based on the world-wide requirements of customers for a variety of engineering applications. Moreover, to provide the best possible value, the Edwards range of shearing machines has now been redesigned to incorporate the latest technological developments in conjunction with well established and proven design features of earlier models produced by the company.

The new Edwards range of shearing machines includes both the DD or Direct Drive Truecut shears, which were designed to meet the demands for light to medium capacity and for low cost machines, and the Truecut MARK V shears which offer extreme accuracy and exceptionally high performance.

Both machines are suitable for shearing a wide range of materials, including mild steel, stainless steel, non ferrous metals, rubber and plastics. The machine can easily be incorporated into automatic production lines.

## EDWARDS TRUECUT MK V SHEARS

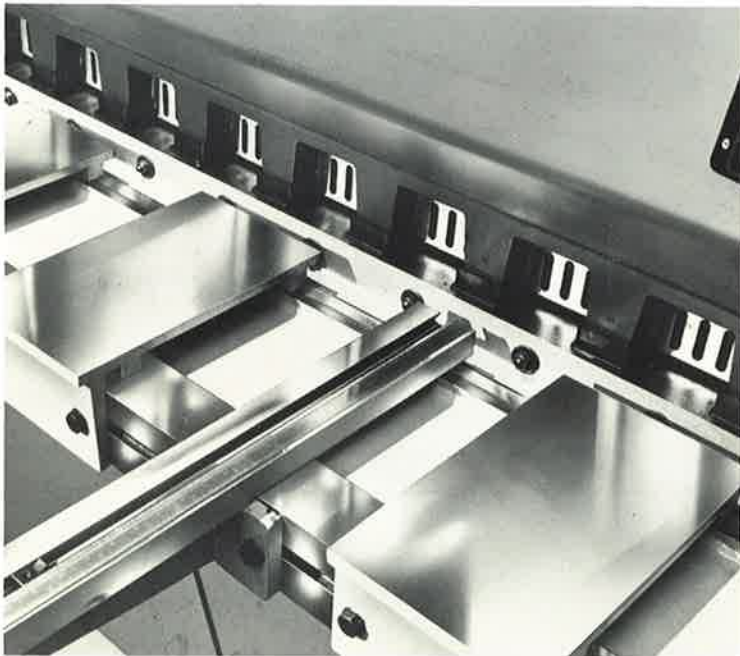
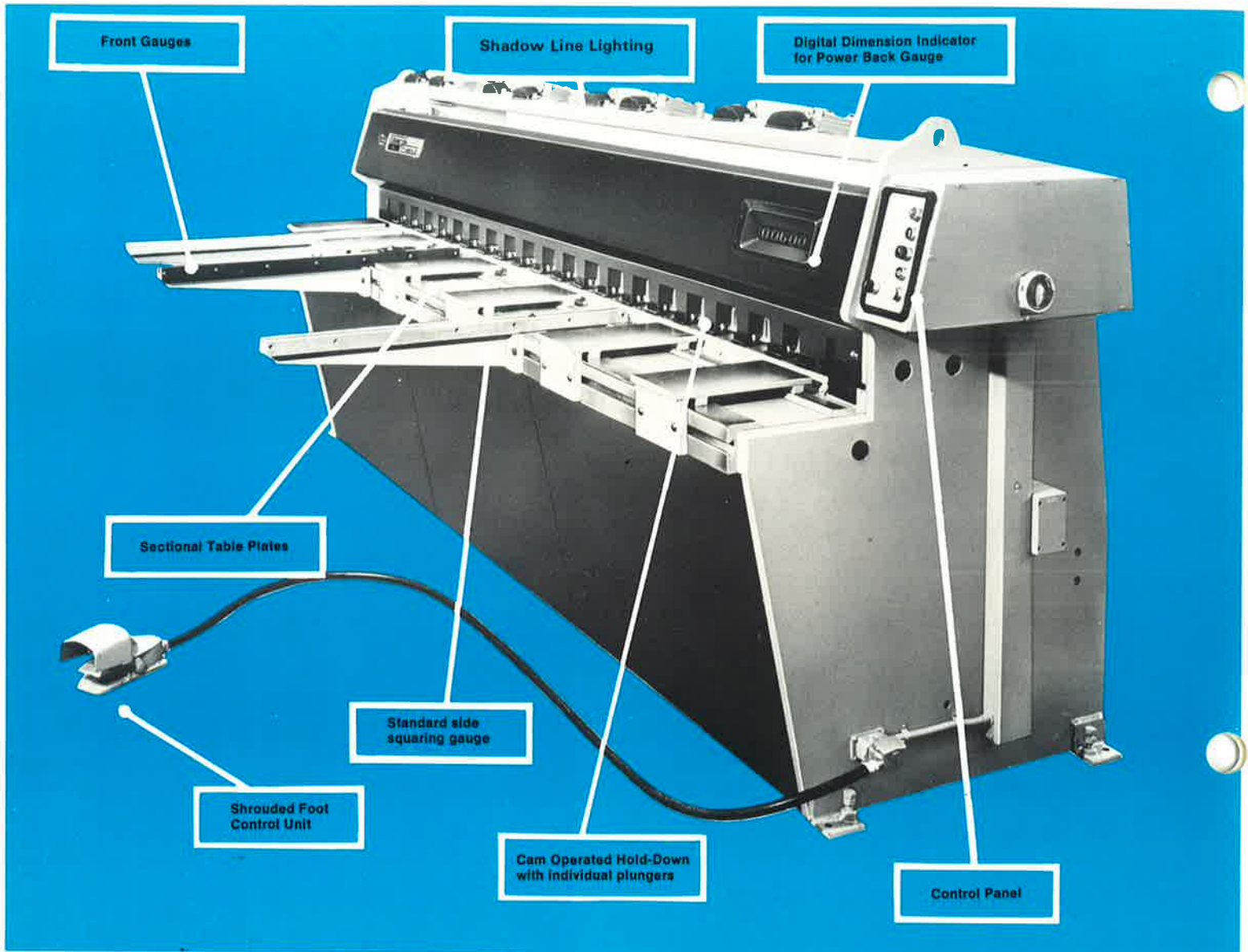


## EDWARDS TRUECUT DD SHEARS

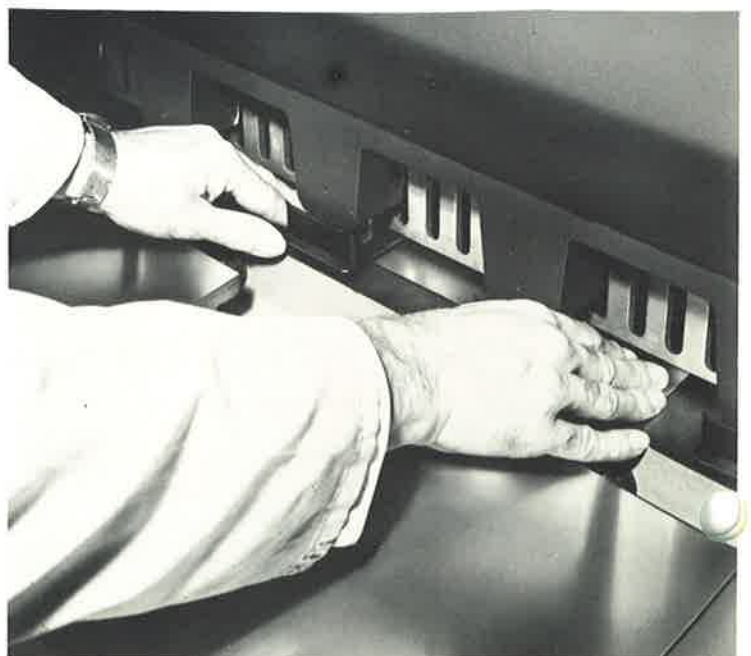




# EDWARDS-TRUECUT MARK V SHEARS



Sectional Table Plates



Finger Guard allows close access to cutting plate

## GENERAL CONSTRUCTION

- Heavy duty welded-unit steel construction assures maximum rigidity and consistency of performance.
- Powerful cam-operated hold-down incorporates heavy individual spring plungers giving extreme cutting accuracy. Hold-down plungers are fitted with polyurethane gripping pads and a slotted finger guard allows for narrow strips to be cut close to the cutting edge. The hold-down permits a clear view of the cutting edge and provides complete finger guard protection.
- Four-edged Tungsten hi-carbon, hi-chrome alloy steel blades for shearing mild steel and stainless steel are supplied as standard.
- The inclined cutting beam consists of heavy vertical and horizontal plate members, the latter being provided with jacking screws to facilitate initial alignment correction and to allow for very close setting of the blade clearance. The cutting beam guides are pivot mounted, and adjustment screws for blade clearance setting are provided at the rear of the machine.
- A low cutting angle ( $1\frac{1}{2}^{\circ}$ ) assures straight and flat off-cuts, with negligible distortion even on very narrow strips.

## TABLE DESIGN—VERSATILE TO MEET INDIVIDUAL REQUIREMENTS

- The table is designed to accommodate pin gauges or material feeding arrangements—as required. Table sections are adjustable and may be arranged to suit individual customer requirements. Front gauges, squaring gauges or mitre gauges may be located at any part of the table combined or with sectional table plates to form suitable work feeding arrangements.

## SELF CONTAINED DRIVE—REQUIRES MINIMUM MAINTENANCE

- The compact drive system is neatly arranged between the side frames. It consists of a heavy duty worm-drive unit, self contained, running in oil and combined with a silent electro-magnetic clutch and brake unit.

## CLUTCH & BRAKE—FAIL-SAFE BRAKE UNIT

The electrically operated clutch and brake units are self-adjusting and have a high torque output and heat dissipation capacity thus assuring consistent and trouble free performance. American built.

- The clutch is controlled by means of a foot switch.
- The machine is arranged for single stroke or continuous operation, with a selector switch provided at the control panel. When set for single stroking, the machine is automatically arrested at the top of its working stroke.
- The machine is provided with a completely reliable fail-safe brake.

## ELECTRICAL EQUIPMENT

The shears are supplied with totally enclosed fan cooled motors for standard three phase supply.

- The control panel includes stop and start buttons and an indicating light to show that the main motor is running. The stroke selector switch on machines is fitted with power operated back gauges as well as forward and reverse buttons. As an optional extra, controls for "Contact Shearing" are available. General Electric controls.

- For controlling the work cycle, a foot switch with flexible cable is provided. A main isolating switch is fitted to the control panel.

## LUBRICATION

- The cutting beam slides are of the dry type and require no lubrication. The worm gear drive is self-contained and requires only occasional topping up. The Flywheel bearings, connecting rod and eccentric bearings are provided with one-shot lubrication.



# EDWARDS-TRUECUT MARK V SHEARS

## STANDARD EQUIPMENT

- Two 40" (1000mm) front extension arms fitted with stainless steel gauges.
- A 40" (1000mm) front and side squaring gauge, with inserted stainless steel rule and cursor stop.
- World's finest quality Tungsten hi-carbon, hi-chrome alloy blades for cutting stainless steel.
- Grease gun and set of spanners.
- Machine totally enclosed with both front and rear panels, complete with material chute
- Operating Crank-handle for blade setting, so that the machine can be turned through by hand.
- Front operated power back gauging.
- Shadow Line Lighting.

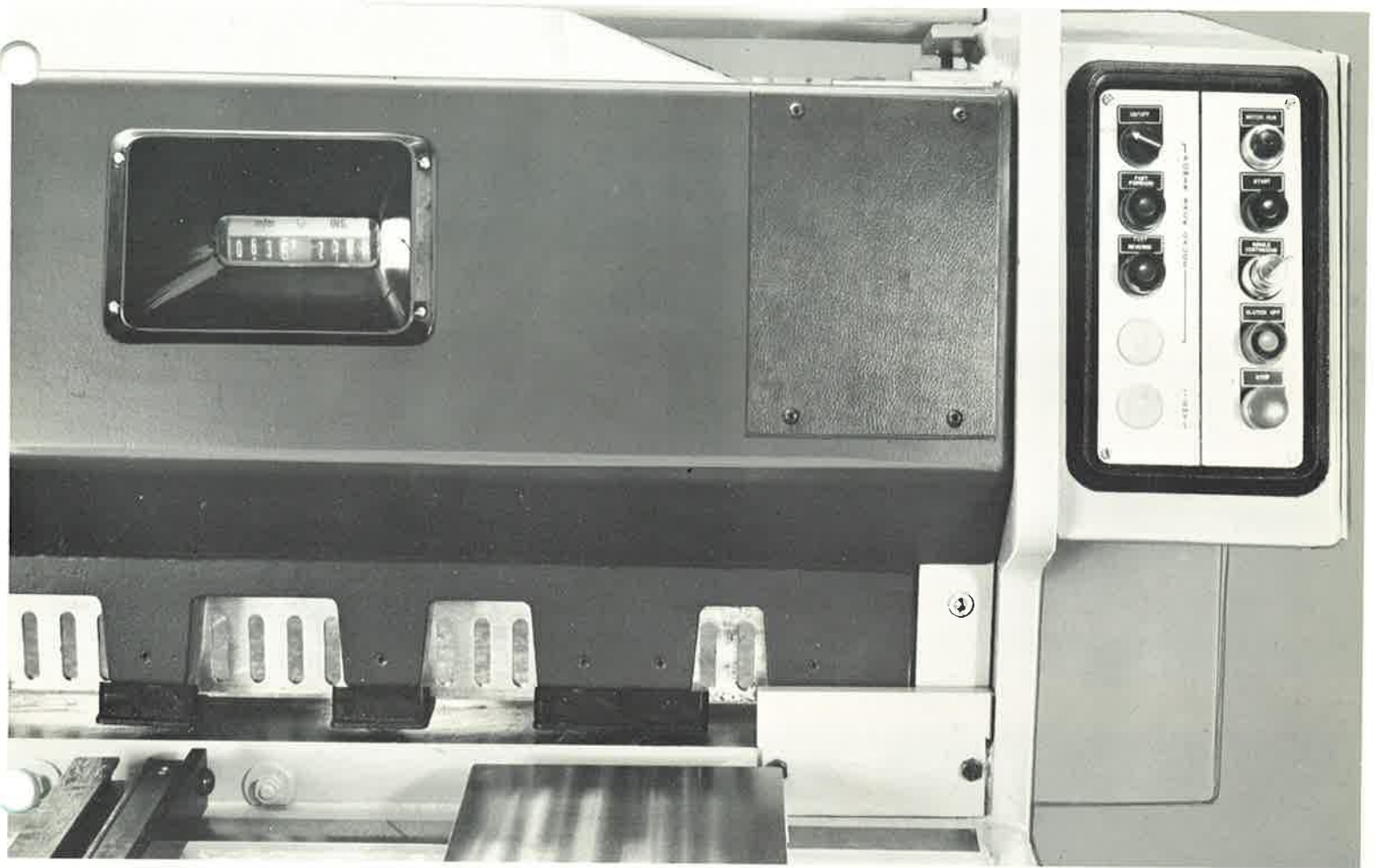


Standard side squaring gauge

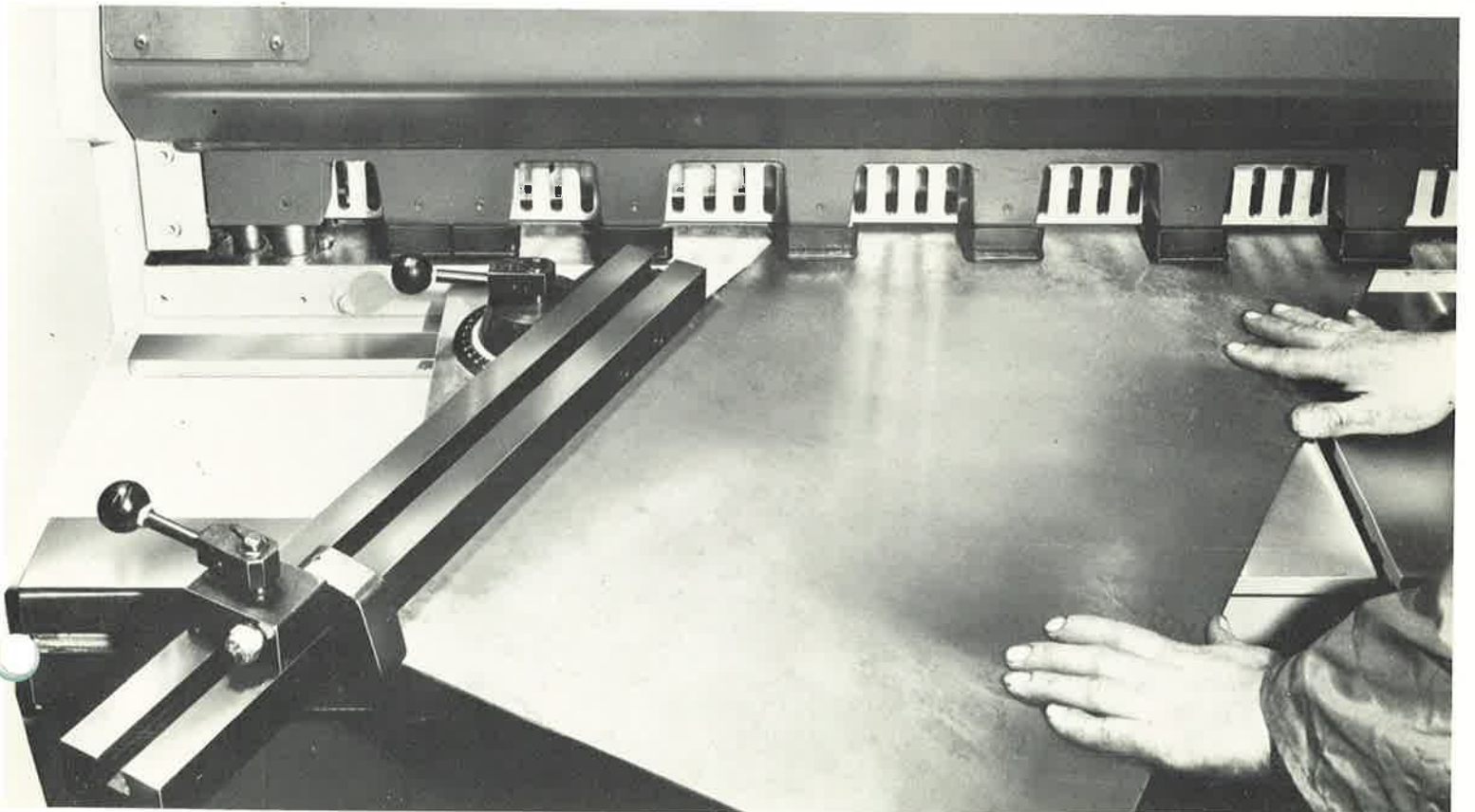


Front gauge with disappearing stops

# EDWARDS-TRUECUT MARK V SHEARS



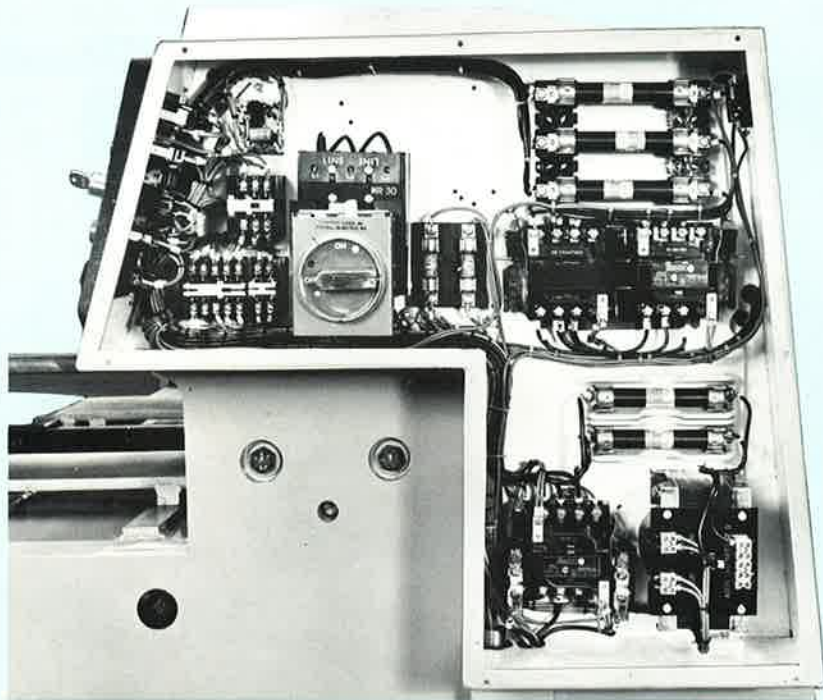
Digital Dimension Indicator and controls for Power Back Gauge



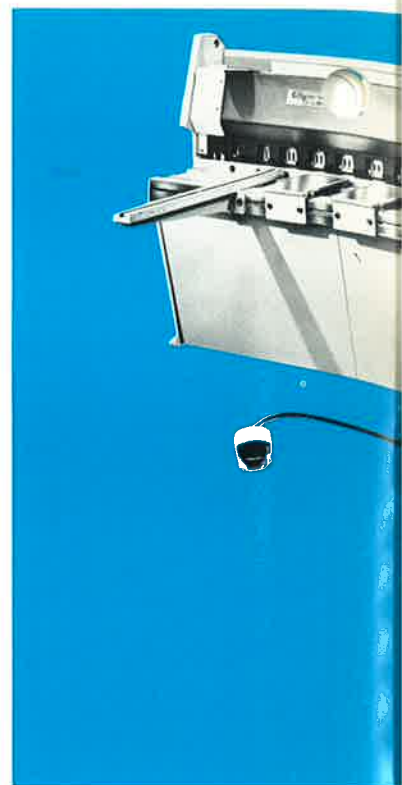
Mitre Gauge and Protractor for angular cuts



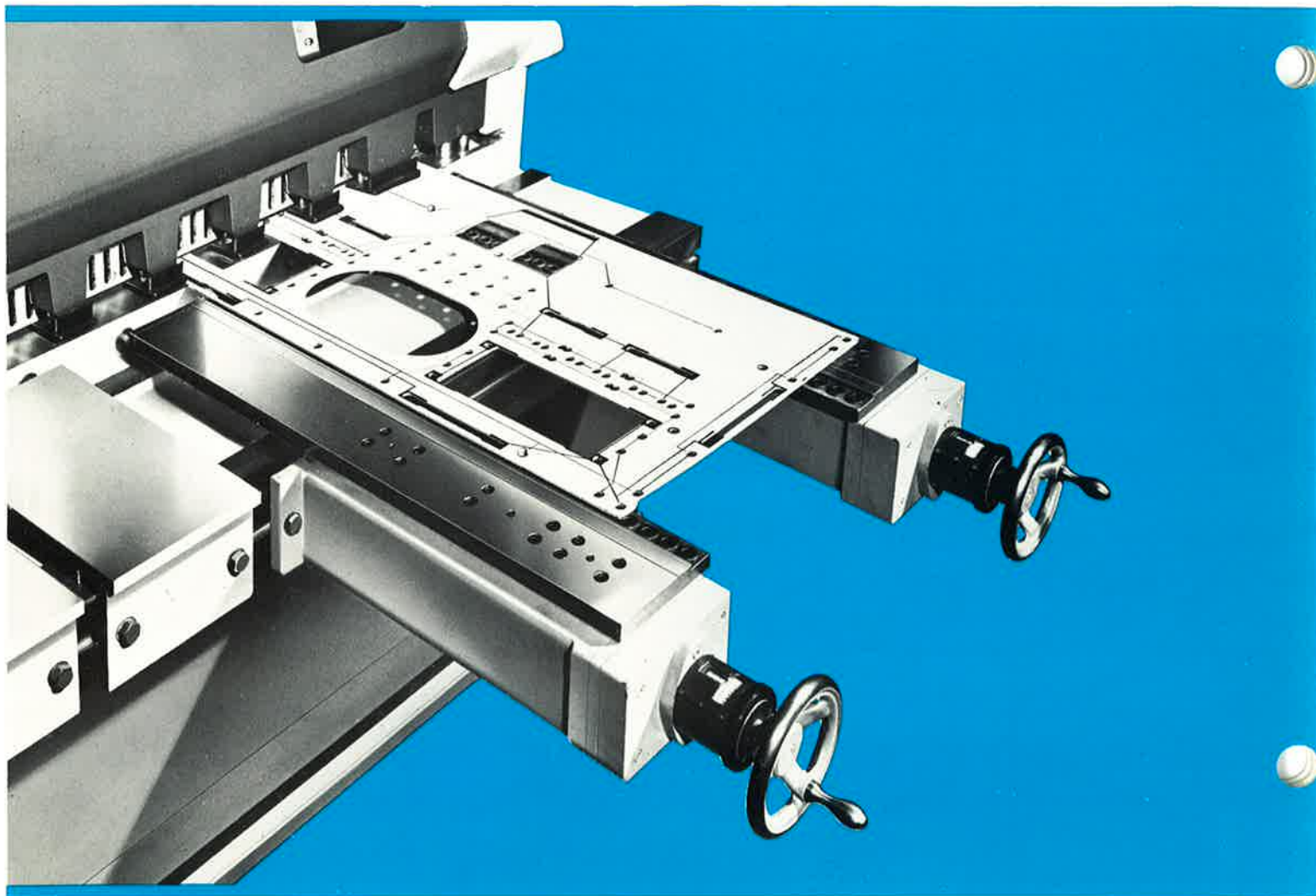
# EDWARDS-TRUECUT MARK V SHEARS



Interior view of G.E. Control Panel



Table



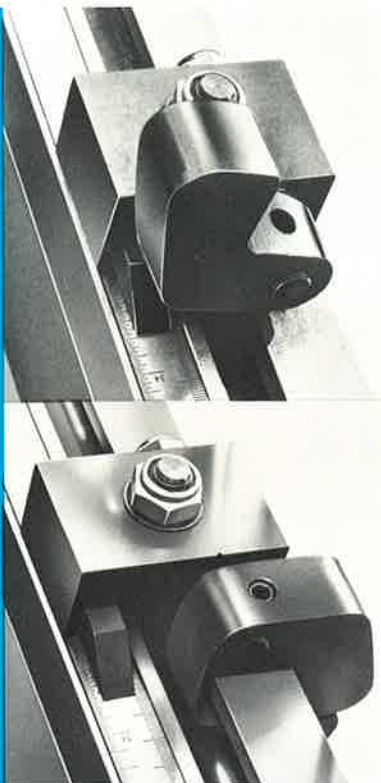
Pin Gauge for accurate shearing of programmed punched sheet-metal components



# EDWARDS-TRUECUT MARK V SHEARS



extension with side squaring gauge and flip-over stops



## STANDARD BACK GAUGING EQUIPMENT

- Power operated parallel motion back gauge fitted with front view large scale digital dimension indicator for positioning gauge to an accuracy of .005 in. (or 0,1 mm). The gauge is push button operated from the front of the machine, and is protected by end of run limit switches.

## OPTIONAL BACK GAUGING EQUIPMENT

- Contact cutting or Touch and Shear gauge suitable for power or hand operated back gauge. This unit automates the shear, preventing it from operating until the work is square against the back stop. Electro sensitive Micro-Switches linked with the starting circuit are mounted in the back stop angle. The machine will operate only when the Micro-Switches selected are touched.

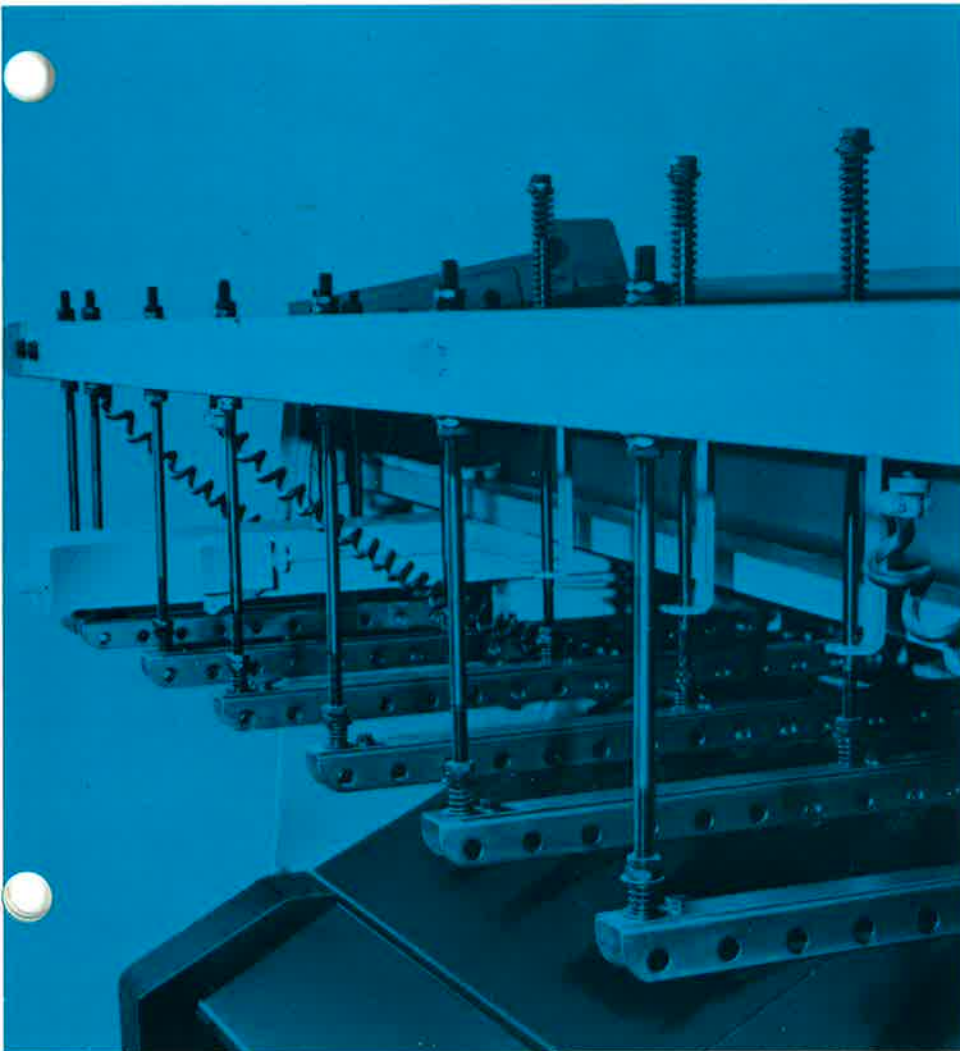
- Magnetic sheet support. The unit is fitted to the cutting beam of the shearing machine to prevent sagging while measuring the material prior to cutting. The support is obtained by the use of magnetic rollers mounted in a rollertrack fitted to the underside of the cutting beam. The magnetic sheet support is suitable for magnetic metals or plastic coated steel, particularly where thin sheets are to be cut to accurate dimensions.

## OPTIONAL EXTRA FRONT & SIDE GAUGING EQUIPMENT

- Side table extension for squaring large sheets up to 80 in. (2000 mm) or 120 in. (3000 mm). The side squaring gauge carries an adjustable 'flip-over' type stop—any number of which can be supplied at extra cost, for pre-setting various cutting width dimensions.

- Mitre or Angle cutting gauge provided with protractor and adjustable length stop, suitable for cutting gussets or repetition angular or irregular cuts on small and medium sized sheets.

- Edwards 'Micro-Pingauge' used for extremely accurate shearing to size of blanks, previously punched on a program controlled multiple sequence punching and nibbling machine. This accessory gives extreme repeat accuracy between previously punched holes and the blank edge of the plate.



Magnetic sheet hold up

# EDWARDS TRUECUT MARK V SHEARS

## SPECIFICATIONS

**Cutting Capacity at 28  
ton/in<sup>2</sup>**

<b>Model</b>	5/2000	5/2500	5/3000
<b>Maximum Capacity Mild Steel</b>	3 / 16''	3 / 16''	3 / 16''
<b>Maximum Capacity Stainless Steel</b>	10 Ga.	10 Ga.	10 Ga.
<b>Length of cutting blades</b>	80"	100"	121½"
<b>Shear angle</b>	1½°	1½°	1½°
<b>Strokes/min</b>	60	60	60
<b>Motor Capacity</b>	5.5 HP	7.5 HP	10 HP
<b>Back gauge range</b>	25"	25"	25"
<b>Table extension</b>	40"	40"	40"
<b>Approx. net weight</b>	6600 lbs	7500 lbs	9000 lbs
<b>Approx. gross weight</b>	7200 lbs	8200 lbs	9750 lbs
<b>Overall size:</b>	104" x 85" x 57"	125" x 85" x 57"	144" x 85" x 57"
<b>Size of case</b>	109" x 43" x 63"	130" x 43" x 63"	149" x 43" x 63"

All specifications and standard equipment subject to change in accordance with manufacturing techniques, without alteration to this catalog.

# EDWARDS-TRUECUT DD SHEARING MACHINES

## PERFORMANCE— CONTINUOUS TO CLOSE TOLERANCES

Edwards Truecut DD shears are designed for the continuous shearing of mild steel, non ferrous metals and a wide range of other materials. Because of rigid all steel unit construction and the accurate gauges supplied, all metals can be sheared to close tolerances.

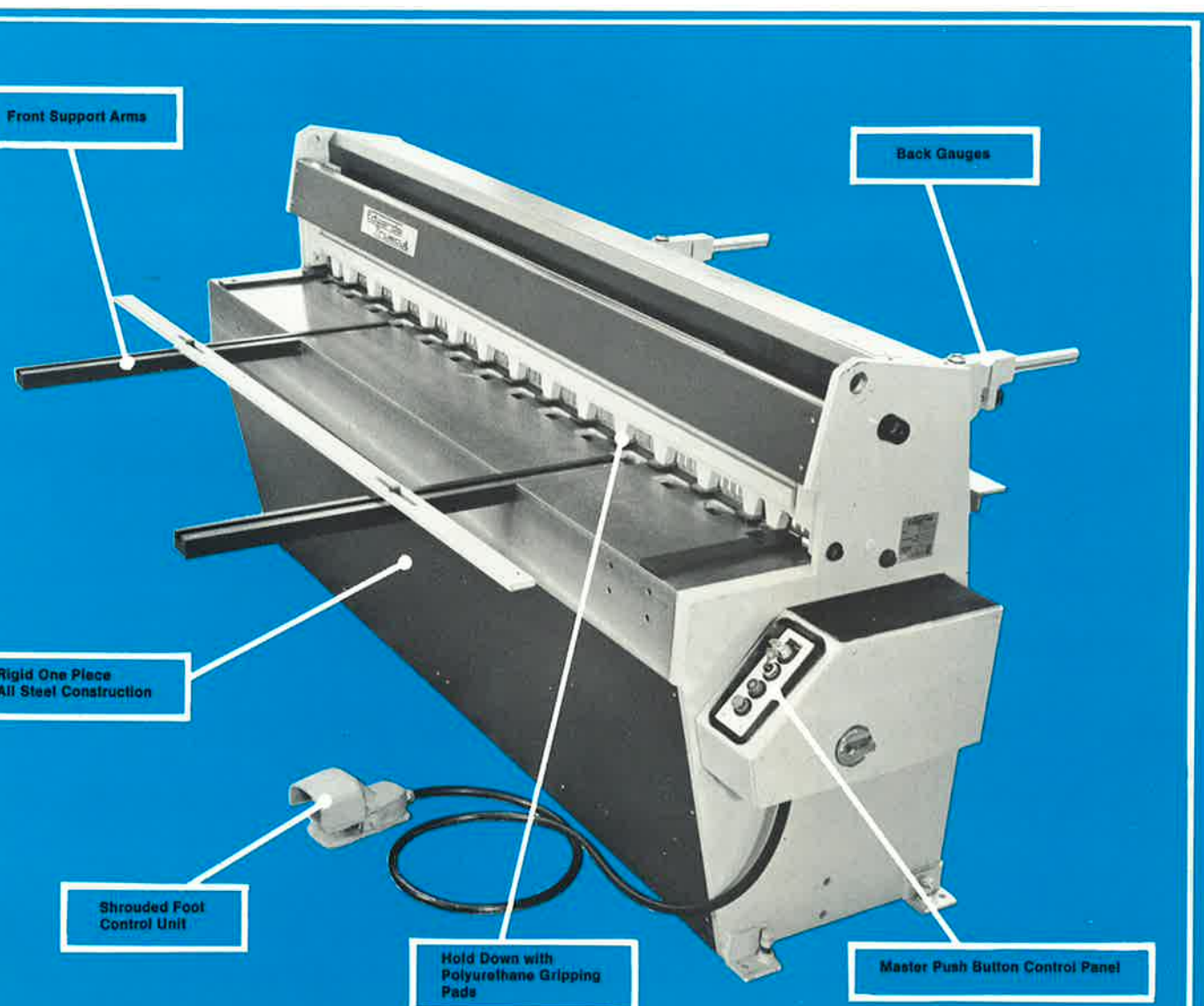
## GENERAL CONSTRUCTION

The machines are ruggedly built and rigid, with bed and side frames to form a single unit. This construction gives inherent strength and offers maximum resistance to deflection.

- The cutting beam is designed to operate in pivot mounted slides, adjusted horizontally for blade clearance.
- Top quality four edges Tungsten hi-carbon, hi-chrome blades are supplied as standard for cutting stainless steel.

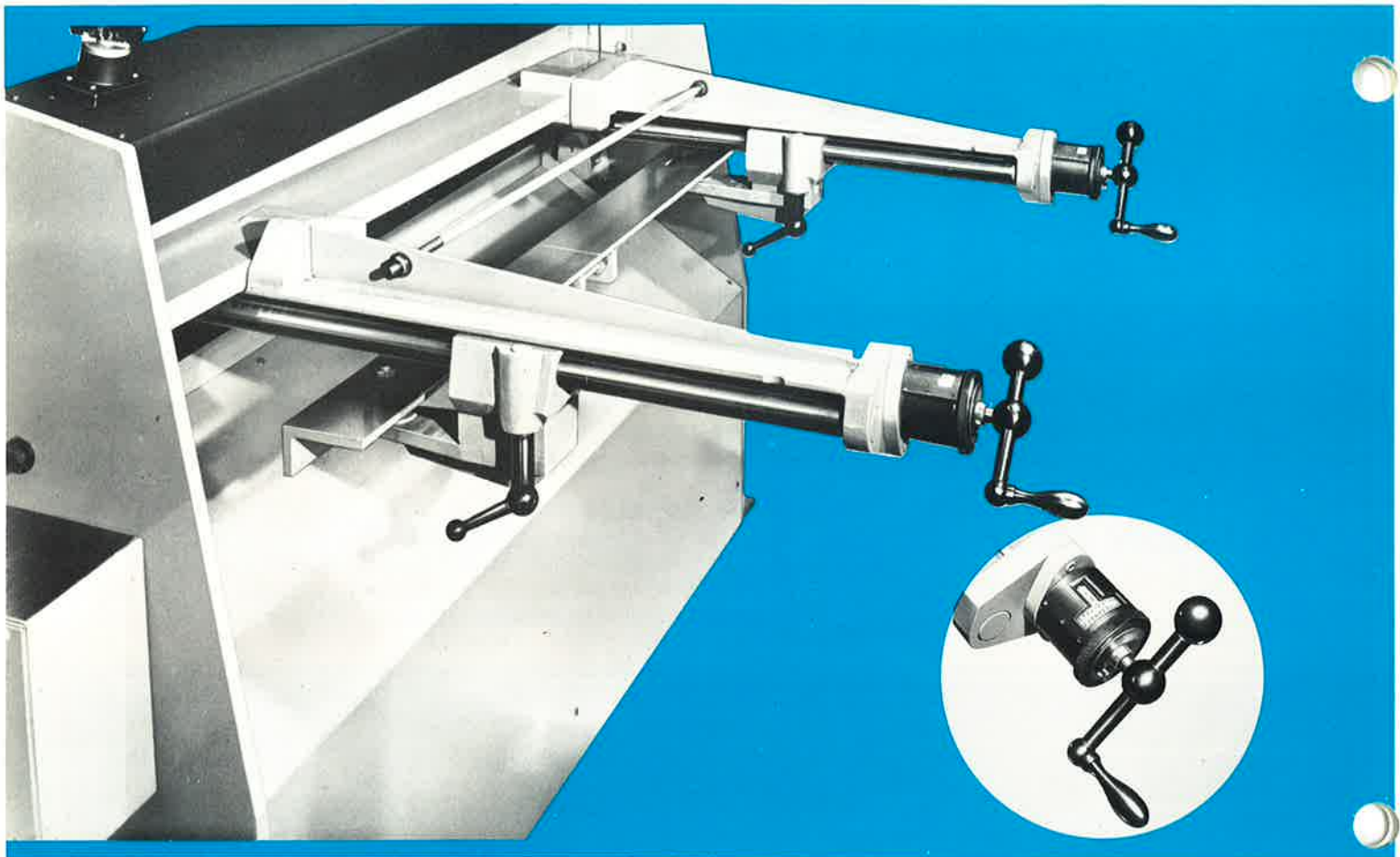
## HOLD-DOWN—ALLOWS NARROW STRIP CUTTING

- The powerful spring loaded hold-down is fitted with polyurethane gripping pads which are non-marking, durable, and are designed to allow the cutting of narrow strips. The hold-down also gives a clear view of the cutting line with complete finger guard protection.





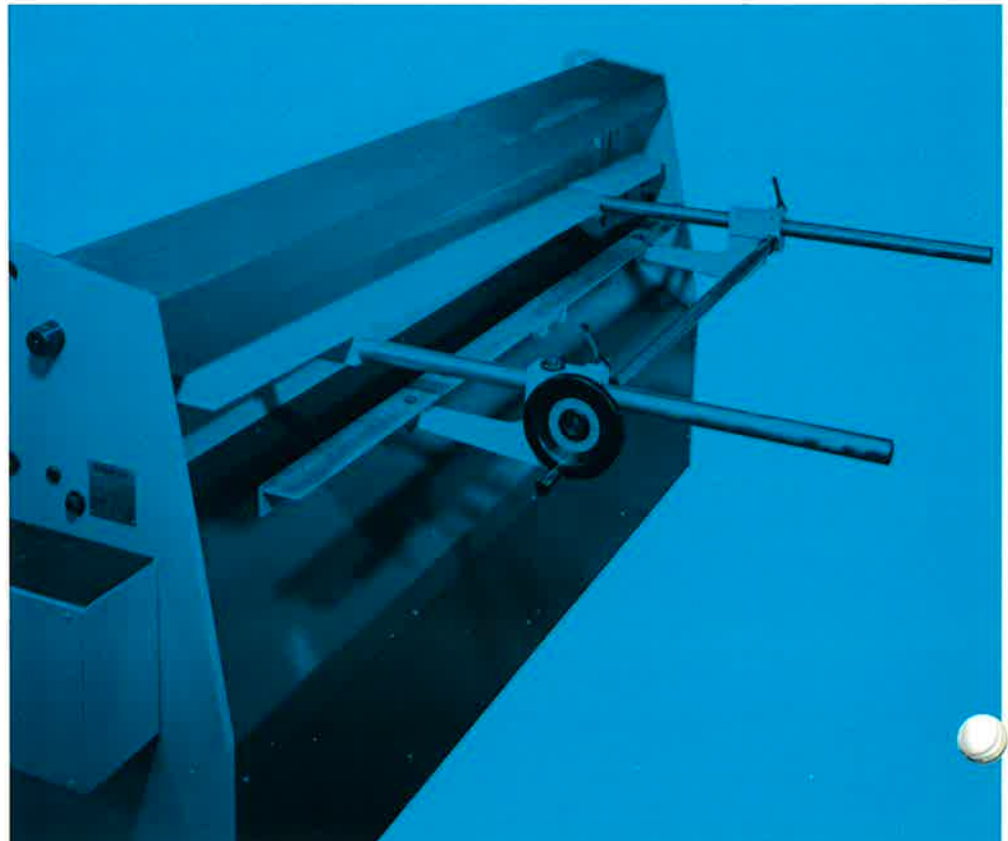
# EDWARDS-TRUECUT DD SHEARING MACHINES



Screw operated back gauge for DD machines (optional)



Magnifying Dimensional Indicator on Rack and Pinion back gauge.



Rear view of Machine showing back gauge

# EDWARDS-TRUECUT DD SHEARING MACHINES

## GAUGES—ACCURATE, EASY TO READ

● A complete set of standard gauges is supplied with the machine. The rear gauges are of rugged construction and are fitted with Inch/Metric rules with optical reading. The front support arms are fitted with rules and cross gauge bar. Also two short side squaring table gauges.

## DRIVE — HIGH PERFORMANCE BRAKE MOTOR

● The compact drive system is located inside the machine below the bed. Guarded by the front cover plate and rear material chute, the drive unit consists of a high performance (start-stop) brake motor driving a shaft mounted helical gear box directly by means of vee-belts. The eccentric shaft runs in self-lubricating sealed anti-friction bearing blocks.

## ELECTRICAL EQUIPMENT

● The machine is supplied with a brake motor for standard three phase supply, controlled by means of a foot switch on a flexible lead. The electrical control gear housing and the push button station are mounted at the side of the machine. A selector switch for single stroking or continuous operation is provided. A main isolating switch is provided at the electrical control gear housing. All controls are General Electric.

## LUBRICATION

● The cutting beam slides are of the dry type and require no lubrication. The helical gear box is self lubricating and requires only occasional topping up. The eccentric shaft bearings are self lubricating and the connecting rod links are provided with grease fittings.

## STANDARD EQUIPMENT

● The equipment includes a complete set of standard front and back gauges; one set of Quality High Carbon - High Chrome Blades; complete electrical equipment, including foot operated control switch with flexible lead; an operating handle for turning the machine by hand for blade setting; spanners, grease gun and maintenance handbook.

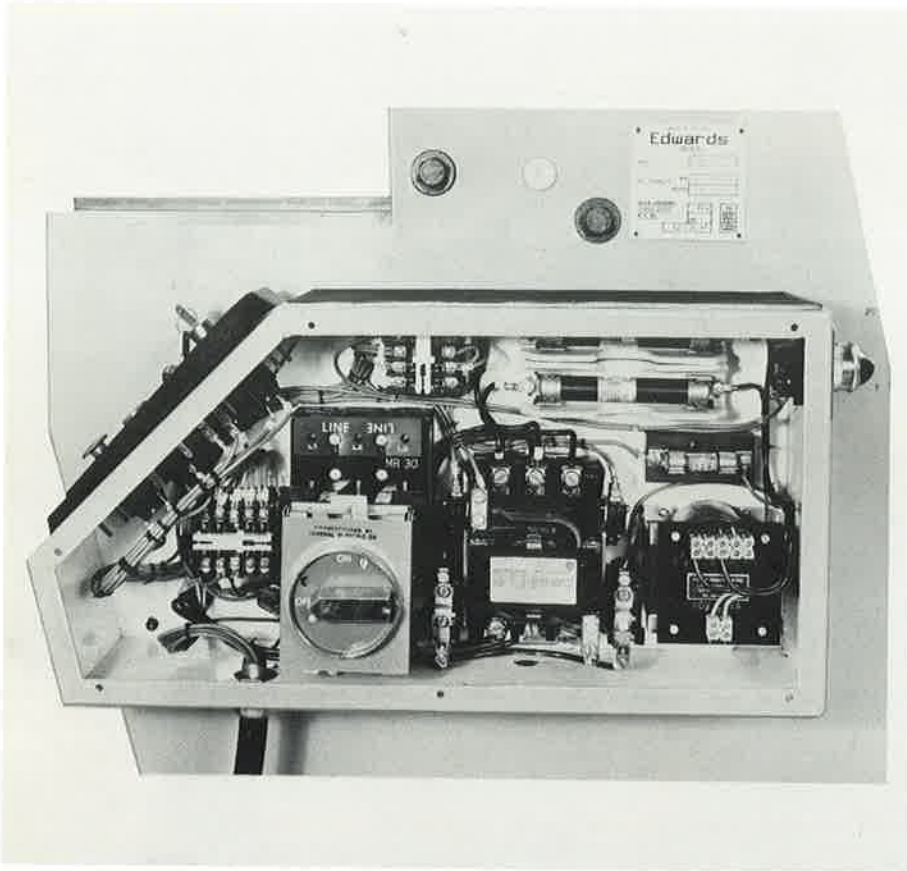
## OPTIONAL EXTRA EQUIPMENT

● Screw operated precision back gauge with direct reading digital dimension indicators at the rear of the machine.

● Side table extension for squaring large sheets up to 80 in. (2000 mm). The side squaring gauge is provided with an adjustable 'flip-over' type stop and has a rustless rule indicating Inch/Metric dimensions. Additional flip-over stops are available at extra cost. Side table extension for squaring sheets up to 40 in. (1000 mm), with inserted steel rule and cursor stop.

Air Operated hold-down lifting arrangement for the cutting of difficult materials such as soft aluminium or certain laminated plastics.

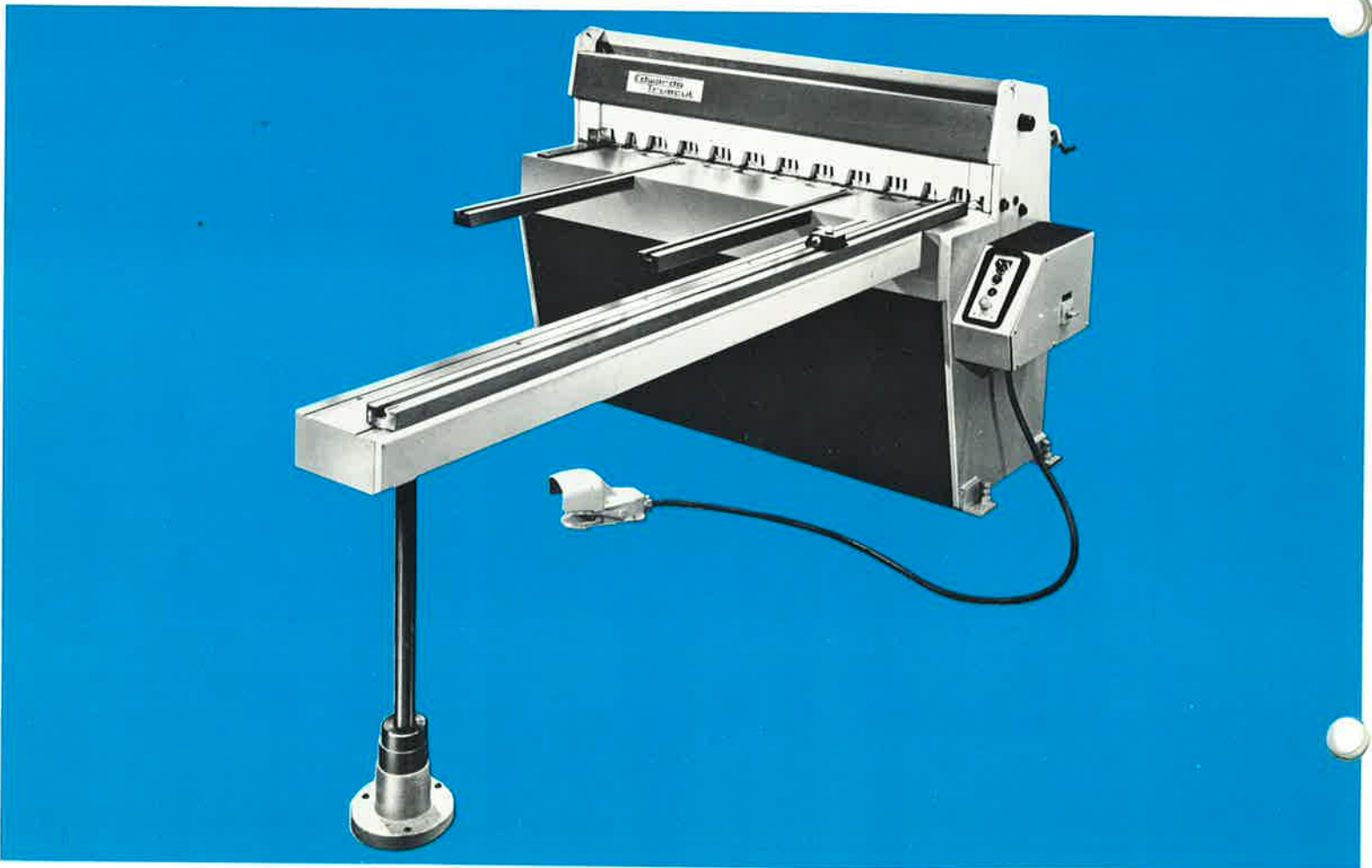
# EDWARDS-TRUECUT DD SHEARING MACHINES



Interior view of G.E. Control Panel



Electrical Control Panel



Side extension table with squaring gauges and flip-over stops



## EDWARDS TRUECUT DD SHEARS SPECIFICATIONS

Cutting capacity at 28 ton/in<sup>2</sup>

Model	14 ga./1250	14 ga./2000	14 ga./2500	14 ga./3000	10 ga./1250	10 ga./2000	10 ga./2500	10 ga./3000
Maximum capacity	14G	14G	14G	14G	10 ga.	10 ga.	10 ga.	10 ga.
Length of cutting blades	50"	80"	100"	120"	50"	80"	100"	121½"
Shear angle	1½°	1½°	1½°	1½°	1½°	1½°	1½°	1½°
Strokes/min.	50	50	50	50	50	50	50	50
Motor capacity x speed rpm	5.5 HP 1500	5.5 HP 1500	7.5 HP 1500	7.5 HP 1500	10 HP 1500	10 HP 1500	10 HP 1500	12.5 HP 1500
Back gauge range	25"	25"	25"	25"	25"	25"	25"	25"
Table extension	40"	40"	40"	40"	40"	40"	40"	40"
Approx. net weight	2250 lbs	3130 lbs	4100 lbs	5850 lbs	2450 lbs	3500 lbs	5000 lbs	6850 lbs
Approx. gross weight	2640 lbs	3510 lbs	4670 lbs	6450 lbs	2950 lbs	4000 lbs	5500 lbs	7200 lbs
Overall size: L-R F-B height	70" x 86" x 46"	100" x 86" x 46"	120" x 86" x 46"	140" x 86" x 46"	70" x 86" x 46"	100" x 86" x 46"	120" x 86" x 46"	140" x 86" x 46"
Size of case	97" x 38" x 50"	120" x 38" x 50"	140" x 38" x 50"	155" x 38" x 50"	97" x 38" x 50"	120" x 38" x 50"	140" x 38" x 50"	155" x 38" x 60"

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**ESSAY INTERNATIONAL, INC.**

365 Kent Ave.

Elk Grove, Ill. 60007

Phone: (312) 593-8775

Telex #28-3438

Edwards

# EDWARDS-TRUECUT SHEARS



MEETS CURRENT  
OSHA STANDARDS

**EDWARDS-TRUECUT DD SHEARING MACHINES**