

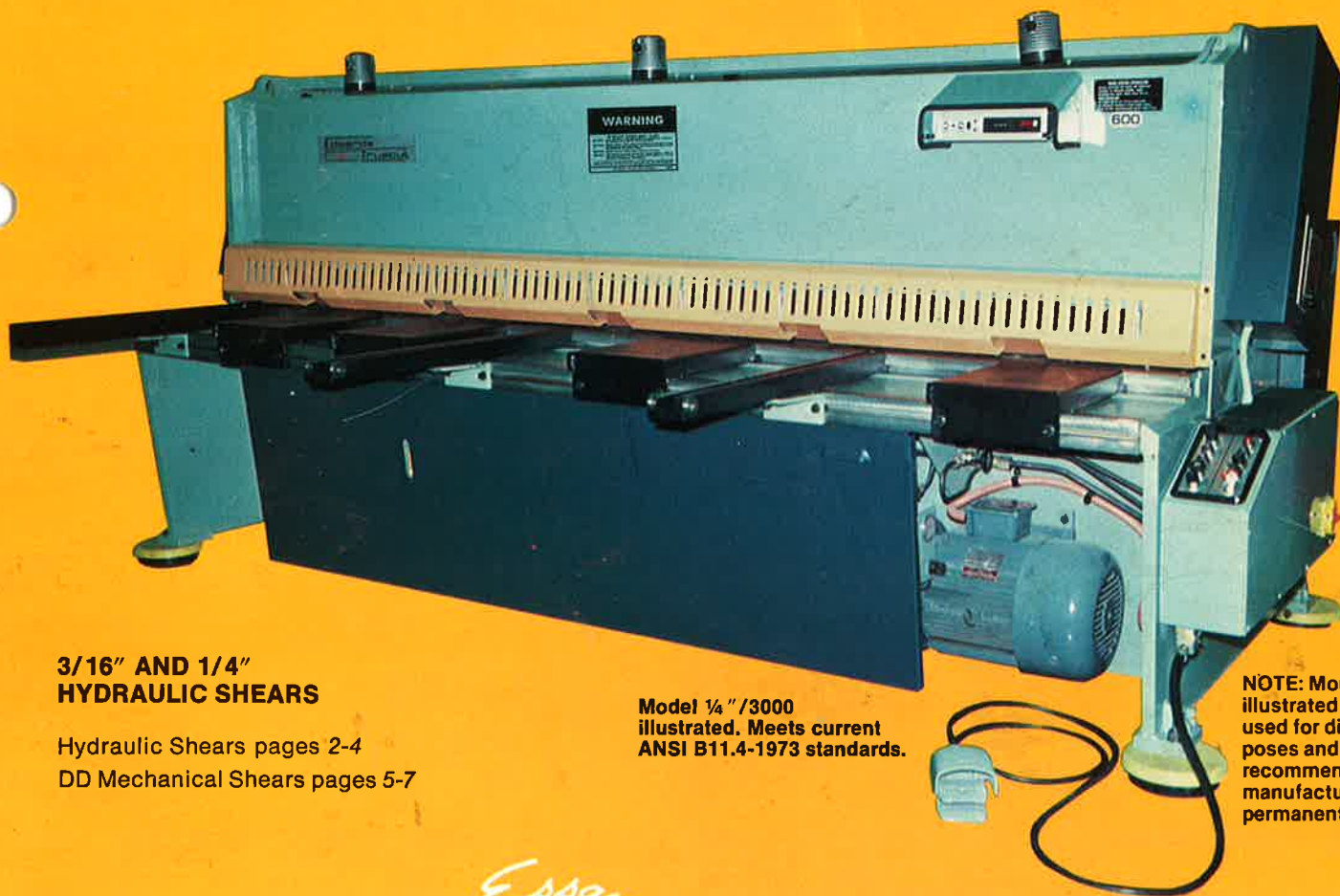
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EDWARDS

MAY 5 1978

HYDRAULIC AND MECHANICAL

SQUARING SHEARS



3/16" AND 1/4" HYDRAULIC SHEARS

Hydraulic Shears pages 2-4
DD Mechanical Shears pages 5-7

Model 1/4" / 3000
illustrated. Meets current
ANSI B11.4-1973 standards.

NOTE: Mounting pads
illustrated are only
used for display pur-
poses and are not
recommended by the
manufacturer for a
permanent installation.



NATIONAL IMPORTER

ESSAY INTERNATIONAL, INC.

365 KENT AVENUE, ELK GROVE, ILLINOIS 60007

Telephone: Toll-Free 800/323-0333

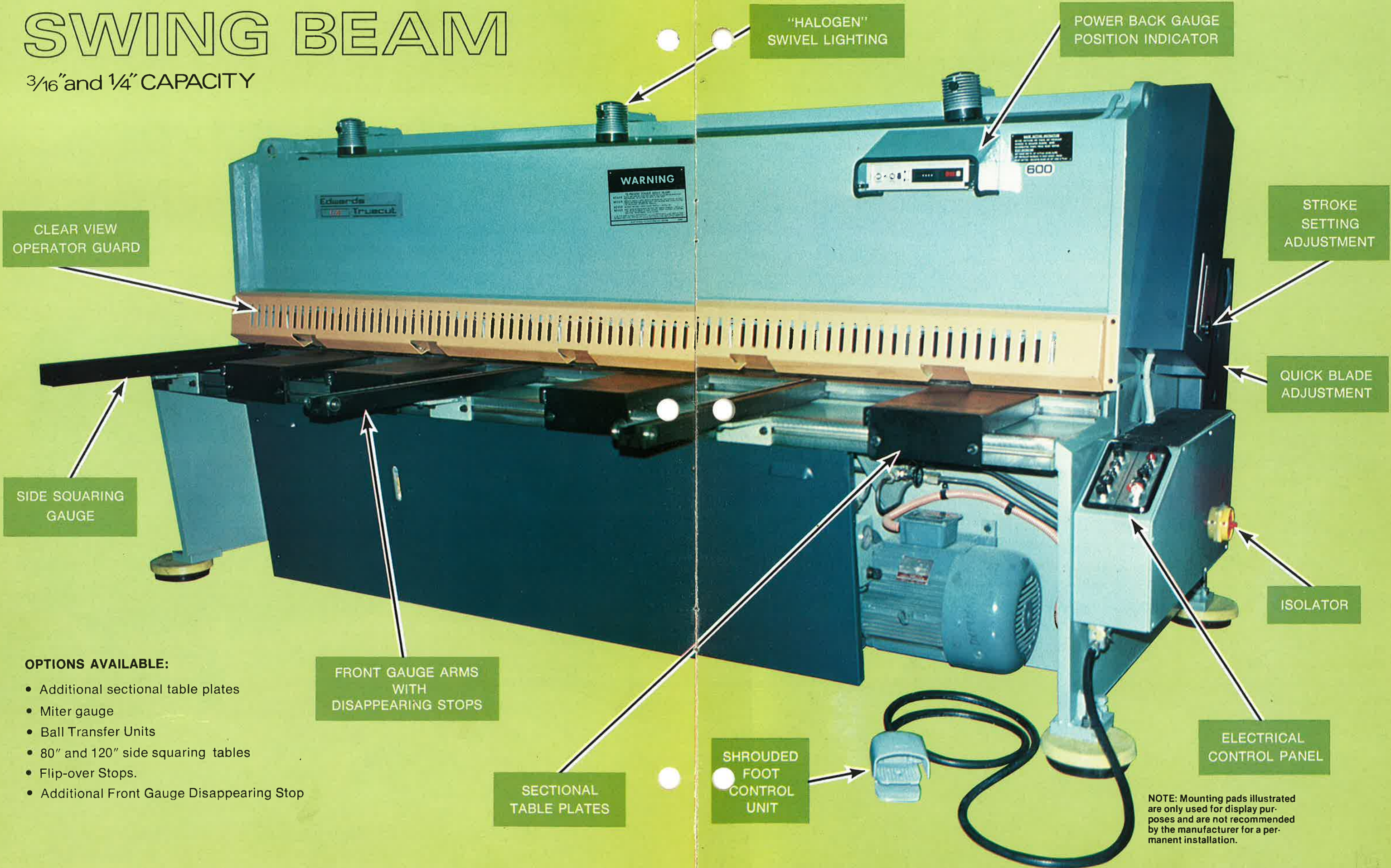
Illinois Telephone: 312/593-8775

Telex: 28-0533

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SWING BEAM

3/16" and 1/4" CAPACITY



OPTIONS AVAILABLE:

- Additional sectional table plates
- Miter gauge
- Ball Transfer Units
- 80" and 120" side squaring tables
- Flip-over Stops.
- Additional Front Gauge Disappearing Stop

NOTE: Mounting pads illustrated are only used for display purposes and are not recommended by the manufacturer for a permanent installation.

SPECIFICATIONS

Model 3/16"/3000

Capacity Mild Steel	3/16in (5mm)
Stainless Steel	1/8in (3mm)
Cutting Length	121in (3080mm)
Gap In Side Frames	4in (100mm)
Top Blade Rake	1½°
Blade Gap Adjustment	.003-.020in (0.07-0.5mm)
Strokes Per Minute (Full Length)	26
Hold-Down Pressure Maximum Shear Force	70%
Number Of Hold-Downs	12
Back Gauge Extension	40in (1000mm)
Front Gauge Extension	40in (1000mm)
Main Motor	10 hp (7.5 kw)
Back Gauge Motor	0.25 hp (0.18 kw)
Hydraulic Oil Tank Capacity	30 UK gal (136 l)
Working Pressure Maximum	3200 psi (225 kgm/cm ²)
Approx. Net Weight	5 ton (4545 kgm)
Approx. Gross Weight	5.75 ton (5227 kgm)
Approx. Overall Size	12ft 4in x 8ft 5in x 5ft 5in (3760 x 2550 x 1650mm)

Model 1/4"/3000

Capacity Mild Steel	1/4in (6.5mm)
Stainless Steel	3/16in (5mm)
Cutting Length	121in (3080mm)
Gap In Side Frames	4in (100mm)
Top Blade Rake	1½°
Blade Gap Adjustment	.003-.020in (0.07-0.5mm)
Strokes Per Minute (Full Length)	28
Hold-Down Pressure Maximum Shear Force	70%
Number Of Hold-Downs	12
Back Gauge Extension	40in (1000mm)
Front Gauge Extension	40in (1000mm)
Main Motor	15 hp (11 kw)
Back Gauge Motor	0.25 hp (0.18 kw)
Hydraulic Oil Tank Capacity	30 UK gal (136 l)
Working Pressure Maximum	3200 psi (225 kgm/cm ²)
Approx. Net Weight	5.75 ton (5227 kgm)
Approx. Gross Weight	6.5 ton (5909 kgm)
Approx. Overall Size	12ft 4in x 8ft 5in x 5ft 5in (3760 x 2550 x 1650mm)

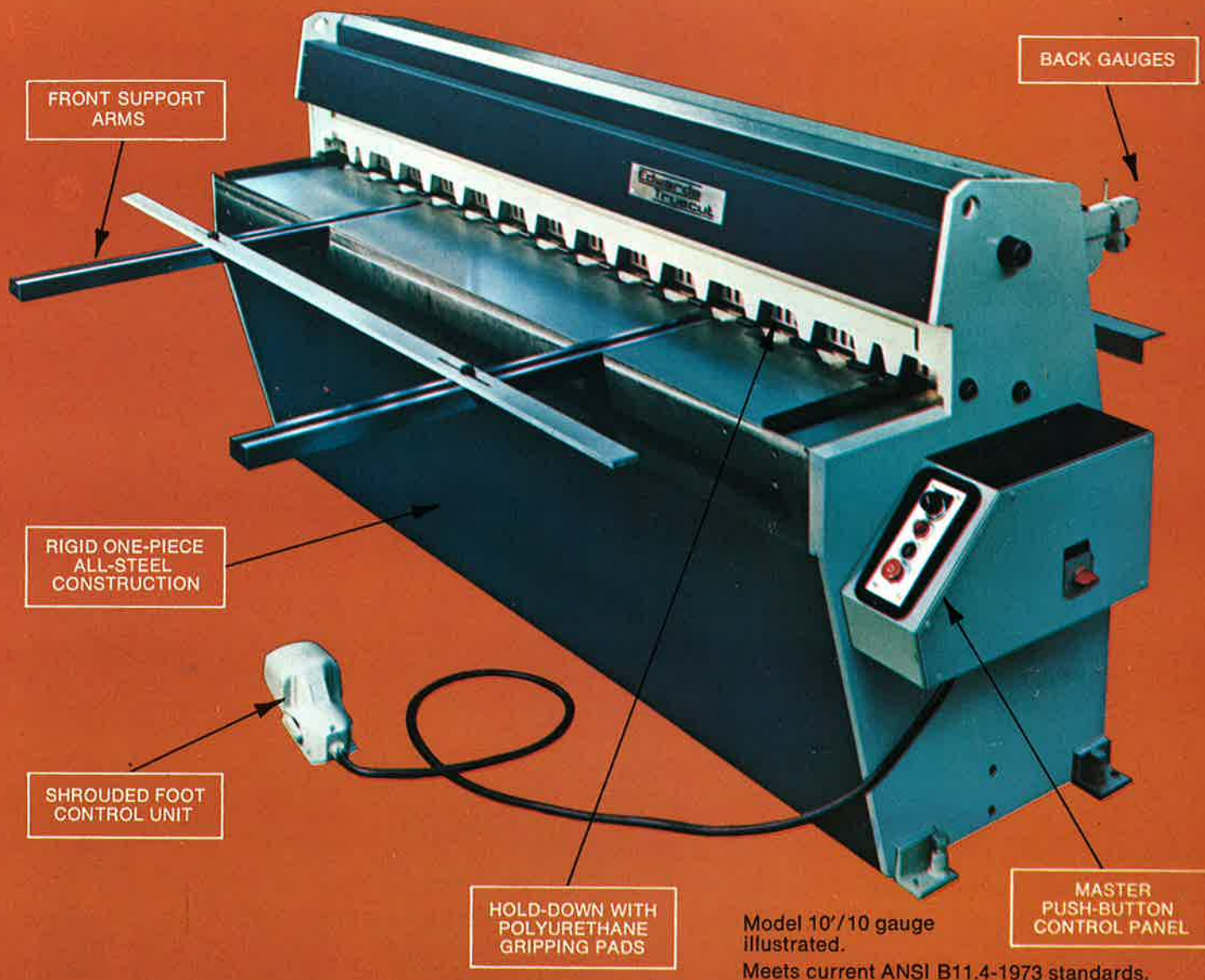
FEATURES

- Side frames, bed and rear chute are of welded steel fabrication with the side plates gapped for slitting.
- The top blade beam pivots on self-aligning spherical bearings. The beam is of heavy steel box section to withstand twist and deflection.
- Blade adjustments are made from the rear pivot of the cutting beam to achieve quick settings. No adjustment is required for the bottom blade.
- Sheet clamping by hydraulic holddowns is automatically applied before shear action commences. The 70% clamp force is proportional to the shear force, which is released immediately upon the beam reversing.
- Cutting beam can be "inched" down for blade setting. Important: Cut off all power for maximum safety.
- A "see-through" finger guard gives full statutory protection. Finger pockets insure close access for narrow strip cutting.
- The "stepped" table is fitted with removable sectional plates with a full length dovetail slot machined along the front face of the table.
- The 2-speed operated heavy-duty back gauge which extends to 40in (1000mm) is mounted on the top beam with an imperial/metric digital readout counter as standard.
- The upper beam has a low rake of 1½° for minimum distortion.
- Cutting length is adjustable by means of the blade beam stroke setting.
- Standard equipment includes: complete front and back set of gauges; one set of blades for cutting mild and stainless steel; four sectional table plates; three low volt (12v) "Halogen" swivelling light heads; 40in (1000mm) side squaring gauge with scale and stop, two front support arms with feed rollers, scale and disappearing stop, a set of spanners and instruction manual.

Our policy is one of progressive design, and these machines may be subject to changes without notice.

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DIRECT DRIVE MECHANICAL SQUARING SHEARS



CONTINUOUS SHEARING 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.

RUGGED CONSTRUCTION

- The machines are ruggedly built and rigid, with bed and side frames welded 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.

ACCURATE, EASY TO READ GAUGES

A complete set of standard gauges is supplied with the machine. The rack and pinion parallel motion 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 front gauge bar. Also two short side squaring table gauges.

DRIVE—HIGH PERFORMANCE BRAKE MOTOR DRIVE SYSTEM

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 gear box directly by means of V-belts. The eccentric shaft runs in anti-friction pillow 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 key lock 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 American electric.

LUBRICATION

The cutting beam slides are of the dry type and require no lubrication. The gear box is self-lubricating and requires only occasional topping up. The eccentric shaft bearings 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 hi-carbon, hi-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

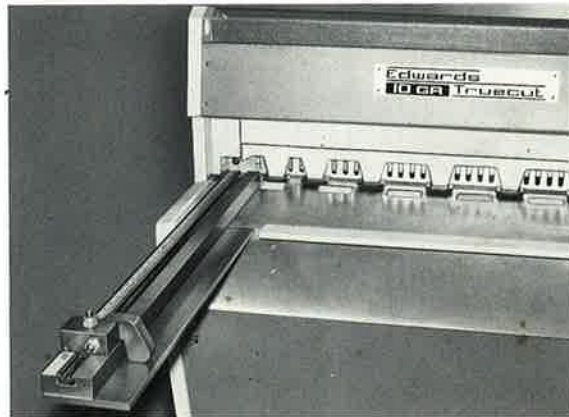
Side squaring table for squaring large sheets up to 80in (2000mm) with an adjustable "flip-over" type stop and inserted scale indicating inch/metric dimensions. Additional flip-over stops are available at extra cost. Side table extension for squaring sheets up to 40in (1000mm), with inserted scale and stop. Angle protractor.



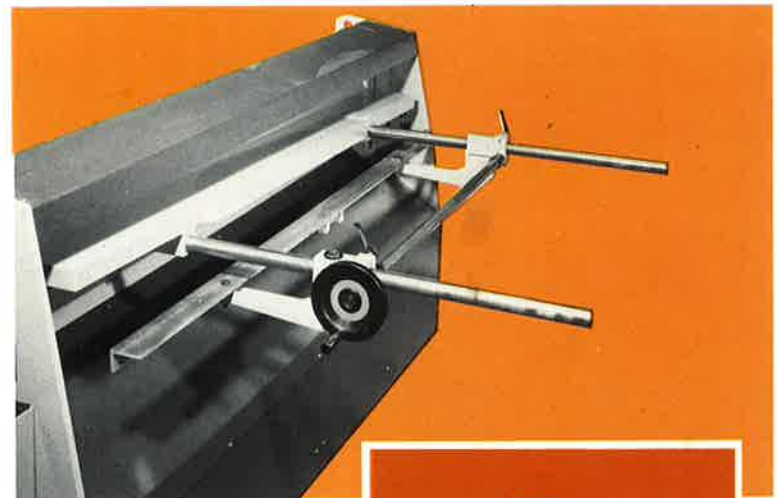
Optional 80" Side Squaring table with "flip-over" stop.



Electrical Control Panel



Optional 40" Side Squaring Arm with inserted scale and "flip-over" stop.

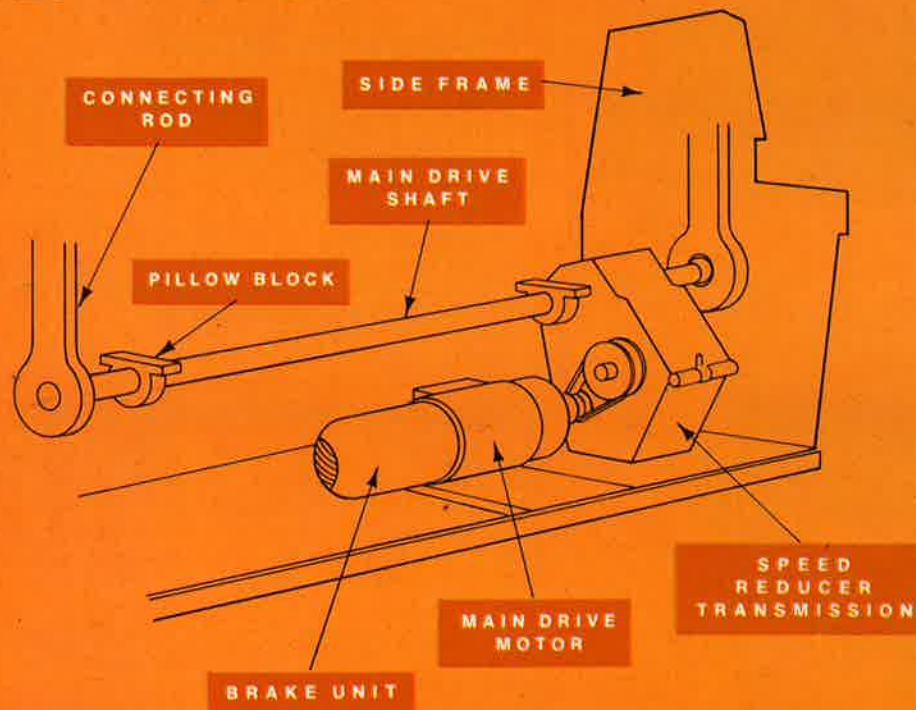


Standard Parallel Motion Rack and Pinion Back Gauge.



Magnifying dimensional indicator on rack and pinion back gauge.

DIRECT DRIVE SYSTEM.



SPECIFICATIONS (Cutting Capacity At 28 Ton/In²)

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	7.5 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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OTHER EDWARDS MACHINES AVAILABLE



16 GAUGE/50IN MINI-SHEAR

Cuts 16 through 28GA mild steel, non-ferrous metals, fiberglass, plastics, rubber, heavy cloth and paper and similar materials from .010 to .125. Direct drive (motor runs only when machine is operating) results in over 30% power savings. Rack and pinion type, parallel motion back gauge is accurate and easy to read.

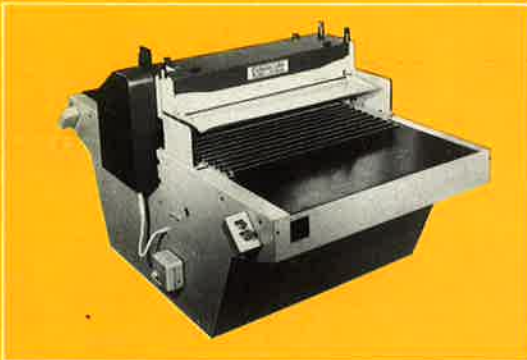
Standard equipment consists of a complete set of standard front and back gauges, one set of carbon-chrome blades, complete electrical equipment, including a foot operated control switch with flexible leads, spanners, grease gun and maintenance handbook. Available for immediate delivery.



16 GAUGE/50IN PEDICUT TREADLE SHEARS

Features safety, accuracy and quick blade setting. Steel plate main frame completely encloses the four edged carbon-chrome blades, which can be easily viewed through the top of the guard. Easy cutting action is provided by the long cutting beam and the slideways can be adjusted to take up wear. The blade is also adjustable for quick blade setting and as an additional aid to the accuracy of the cut.

Other features are: (1) a hold-down that comes into operation as the peddle is depressed to provide adequate protection to the blades; (2) multipoint contact for form gripping, regardless of irregular materials; and (3) the treadle is specifically designed with an inherent safety stop and is constructed not to twist. Available for prompt delivery.



ROLLERPRESS

A one machine, one operator production line, this Rollerpress is fast, accurate and economical. Utilizing steel rule dies, it cuts and/or embosses all types of flexible and semirigid materials in an infinite variety of patterns, configurations and sizes. Sets up in minutes. Operates automatically.

Available for prompt delivery in four sizes: 29, 41, 54 and 62in. Table dimensions (D&W) 66 x 31in, 84 x 42in, 84 x 56in and 84 x 64in.



BOX, PAN AND STRAIGHT FOLDING MACHINES

These hand-operated all-steel folders are for both straight folding and pan work from 18 B.G. to 14 B.G. (1.25 to 2mm) in mild steel. Other metals, such as brass, copper, zinc, duralinium and stainless steel, can also be worked in proportionate capacities. Also available is a universal version for straight folding work only. Prompt delivery on nine models with capacities in mild steel from 18 B.G. (1.25mm) to 12 B.G. (2.5mm) with lengths of 24½, 40, 50, 80, 100 and 120in. (620, 1000, 1250, 2000, 2500 and 3000mm).

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