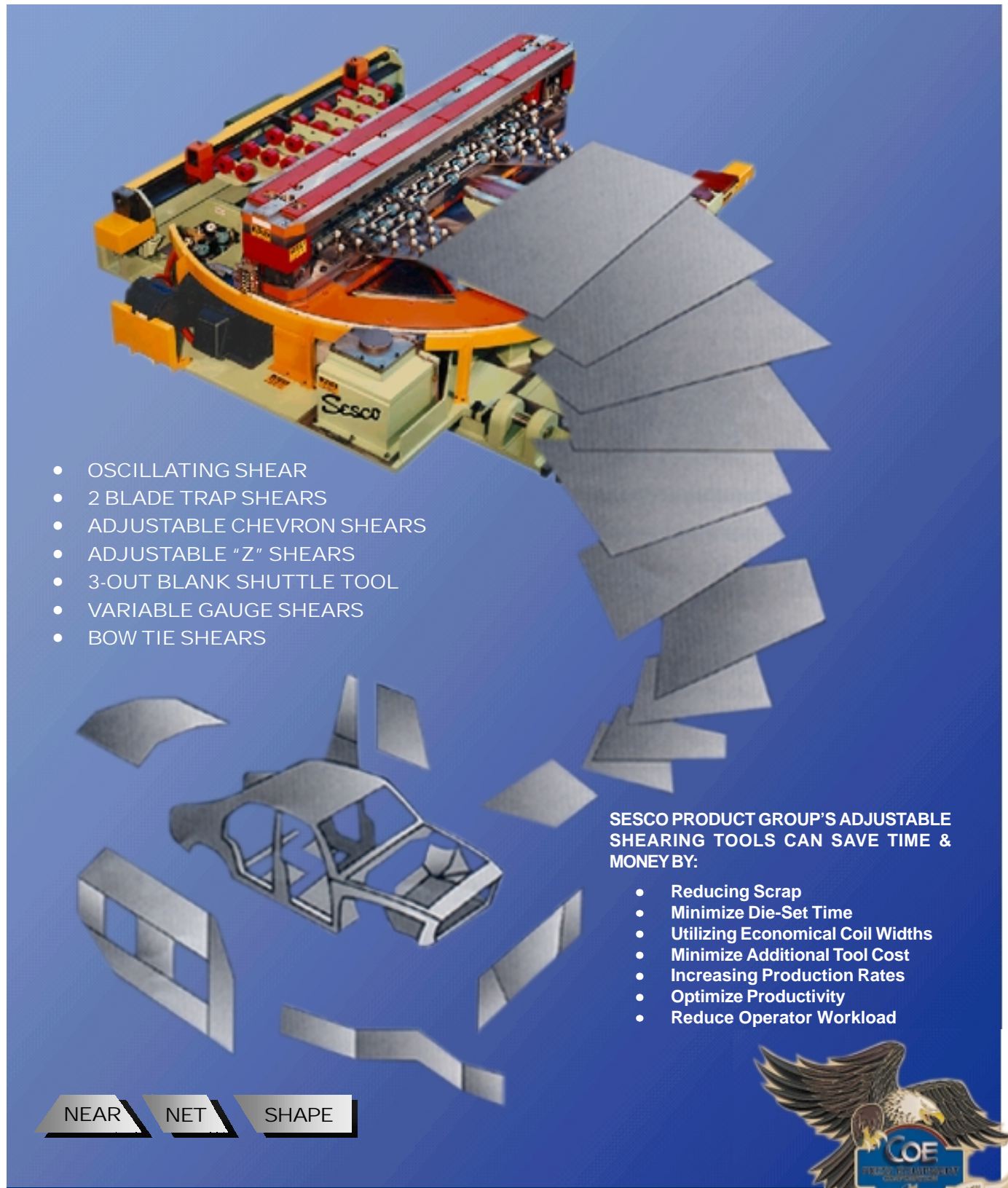


SESCO

Products Group

A Coe Press Equipment Company

NEAR NET SHAPE ADJUSTABLE SHEAR TOOLS



- OSCILLATING SHEAR
- 2 BLADE TRAP SHEARS
- ADJUSTABLE CHEVRON SHEARS
- ADJUSTABLE "Z" SHEARS
- 3-OUT BLANK SHUTTLE TOOL
- VARIABLE GAUGE SHEARS
- BOW TIE SHEARS

SESCO PRODUCT GROUP'S ADJUSTABLE SHEARING TOOLS CAN SAVE TIME & MONEY BY:

- Reducing Scrap
- Minimize Die-Set Time
- Utilizing Economical Coil Widths
- Minimize Additional Tool Cost
- Increasing Production Rates
- Optimize Productivity
- Reduce Operator Workload

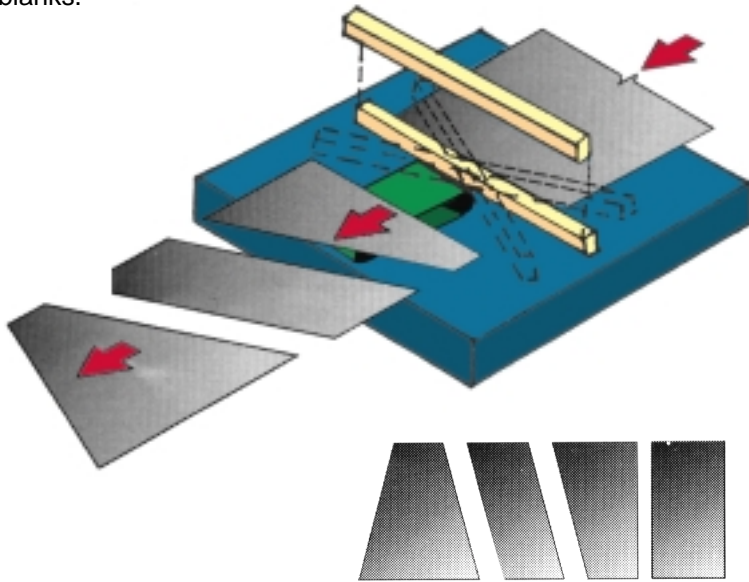
NEAR NET SHAPE



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SPG PROGRAMMABLE OSCILLATING SHEARS

By using one of **Sesco Products Group's Programmable Oscillating Shears** convert your conventional blanking line into a trap shear line. A single pivoting straight cut shear oscillates on the fly with each press stroke to produce rectangular and trapezoidal shaped blanks.



STANDARD FEATURES

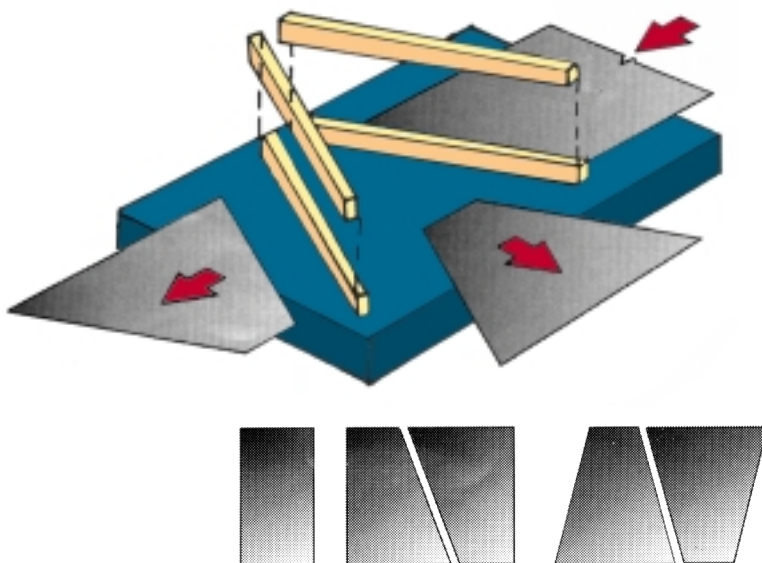
- Each press stroke produces one symmetrically opposed blank.
- Hardened trim steels have 4 cutting edges for easy sharpening.
- Wear surfaces feature lube-less bearings for low maintenance.
- Oscillating sub-die floats on a cushion of air for reduced friction.
- Oscillating sub-die is designed as a "Bump-Die" (upper not attached to press ram).

AVAILABLE OPTIONS

- Power source determines cost of overall performance, Electro-servo/Hydraulic/Pneumatic.
- Up to $\pm 45^\circ$ of angular rotation.
- Eliminate "bump-die" feature for increased performance.
- Motor driven stock guide for automated set-up.
- Exit conveyors can be designed to accommodate your existing system.
- Bow-tie shear promotes self-centering.
- Self-centering adjustable stock guide, for set-up purposes, centers all coil widths.

SPG DUAL BLADE TRAP SHEARS

Convert your conventional blanking line into a trap shear line by using one of **Sesco Products Group's Dual Blade Trap Shears**. Within minutes two pivoting sub-dies are positioned to produce rectangular and trapezoidal shaped blanks.



STANDARD FEATURES

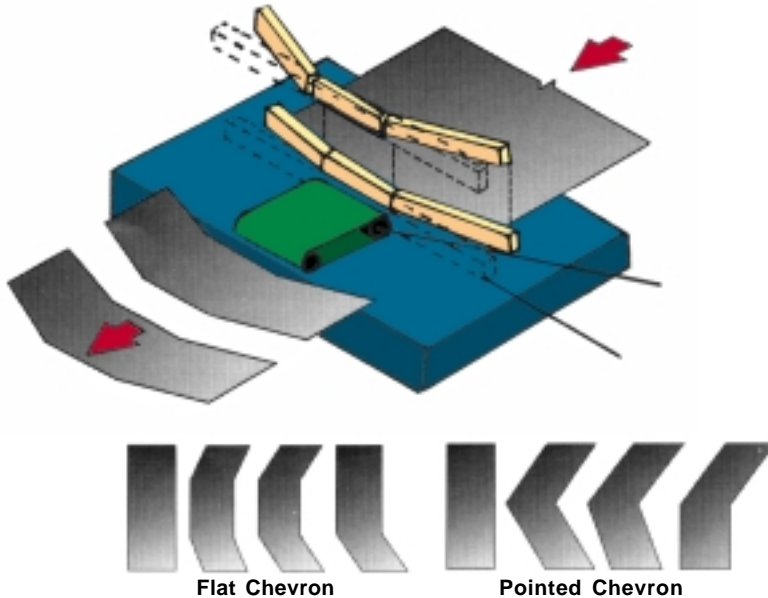
- Each press stroke produces **TWO** symmetrically opposed blanks.
- Hardened trim steels have 4 cutting edges for easy sharpening.
- Wear surfaces feature lube-less bearings for low maintenance.
- Sub-dies are designed as "Bump Dies" (upper not attached to the press ram.)
- Coil support rollers are uniquely positionable to accommodate angle and width of material set-ups.
- Angle changes are made in minutes.

AVAILABLE OPTIONS

- Angle adjustments can be automated with a variety of drive packages.
- Coil support rollers can be designed for self adjustment.
- Motor driven stock guide for automated set-up adjustments.
- Exit conveyors can be designed to accommodate your existing system.
- Bow-tie shear promotes self-centering.
- Self-centering adjustable stock guide, for set-up purposes, centers all coil widths.
- Power clamping.

SPG ADJUSTABLE CHEVRON SHEARS

Create a variety of blank shapes with one of **Sesco Product Group's Adjustable Chevron Shears**. Two or three connected sub-dies can be rotated in minutes to produce the following blank shapes from one of these standard shears.



STANDARD FEATURES

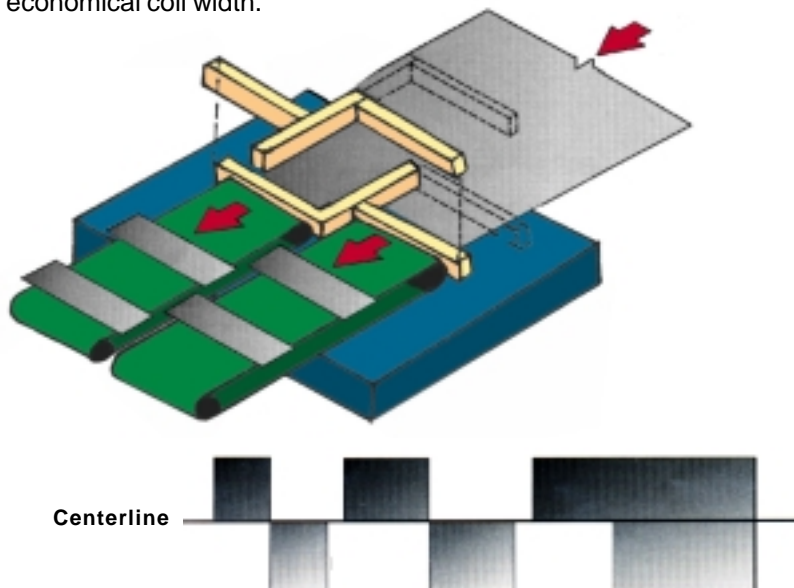
- Pointed Chevron Shears have up to 20° angular adjustment.
- Positive locking power clamps hold adjustable sub-dies in place.
- Flat Chevron Shears have up to 30° angular adjustment.
- Hardened trim steels have **two** cutting edges.
- Angle adjustments are made manually with hand wheels.

AVAILABLE OPTIONS

- Adjustments can be motor driven for an automated system.
- Upper shoe can be designed as a "Bump-Die" (unattached to the press ram).
- An exit conveyor can be designed for your system.
- Self-centering adjustable stock guide, for set-up purposes, centers all coil widths.
- Power Clamping.

SPG ADJUSTABLE CHEVRON SHEARS

From one coil, this unique shearing tool splits and cuts two rectangular shaped blanks per press stroke with two independent cut-off blades, one stationary the other adjustable, for various part pitches at any coil width. **Sesco Products Group's Adjustable Chevron Shears** enable you to double your production rate with a more economical coil width.



STANDARD FEATURES

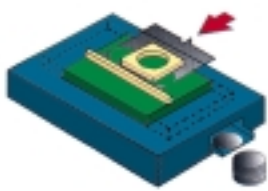
- Two blanks are produced per press stroke.
- Pitch is adjustable for any part.
- Hardened trim steels have **4** cutting edges for easy sharpening.
- Positive locking clamps lock adjustable blades in place.
- Pitch adjustment can be made in **2-4** minutes.

AVAILABLE OPTIONS

- Adjustments can be motor driven for a totally automated system.
- Belt driven exit conveyors can be mounted on tool for stacker interface.
- Self-centering adjustable stock guide, for set-up purposes, centers all coil widths.
- Upper shoe can be designed as a "Bump-Die" (unattached to the press ram).
- Offset adjustment \pm from centerline enables dissimilar width blanks to be cut.
- Power Clamping.

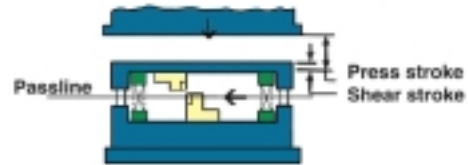
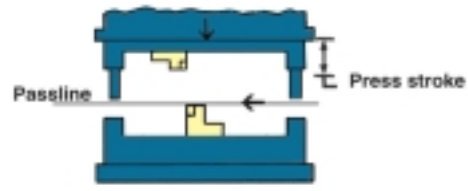
OTHER SHEARING TOOLS, OPTIONS & ACCESSORIES:

3-OUT BLANK SHUTTLE TOOL



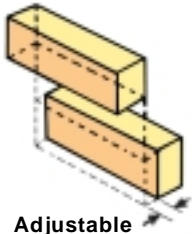
Universal Three Out Shuttle Tool punches out a variety of blank diameters with one insert. A master die-set shuttles across the coil to pre-determined positions to produce round blanks forming a three out circle pattern. This tool is excellent for low volume jobs requiring round or profile nested blanks. The three out pattern minimizes scrap.

BUMP VS. CONVENTIONAL DIES



Bump-Die Feature requires no clamping of upper shoe to ram of press during operation. This reduces die-set time and maximizes run speeds depending on tool type. Conventional tools are limited only by equipment capabilities.

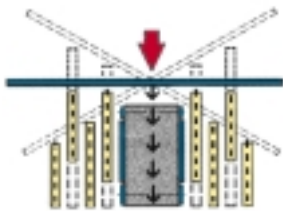
VARIABLE GAUGE SHEARS



Adjustable

Variable Gauge Shear cuts a variety of metal thicknesses by adjusting the gap clearance between the upper and lower trim steels. Adjustments are made in minutes via wedge and screw arrangements including set-up blocks. Trim steels have four cutting edges. Options include power clamps and motorized adjustments.

BLANK EJECT CONVEYORS



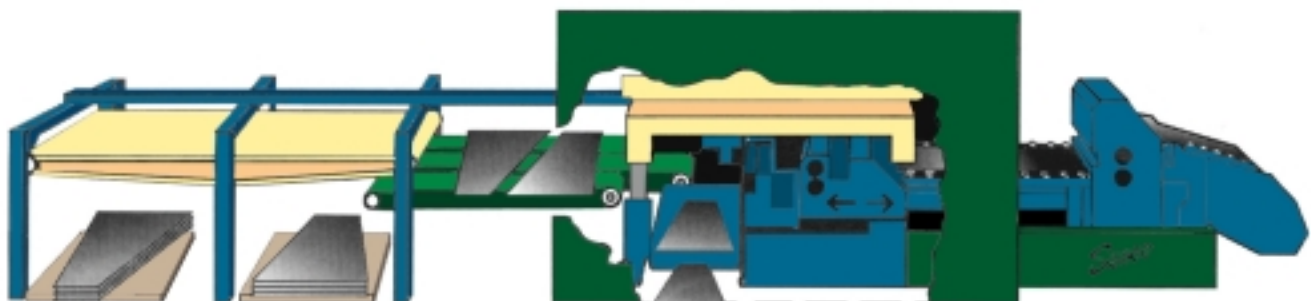
Blank Eject Conveyors are custom designed for each tool and can include belt conveyors with magnetic beds and idler pulleys. Skate conveyors are available with non-marking rollers and are self-adjusting with tool steel adjustments.

BOW-TIE SHEAR

Bow-Tie Shears reduce overall die height and press stroke travel while promoting self-centering by shearing from both edges toward the center compared to a single rake angle shearing from one edge only.



COMPLETE FEED/SHEAR/STACK ARRANGEMENTS



Unique **two position stackers** accommodate right and left hand profile blanks including trapezoids. **Side stackers** facilitate dual trap dies or nested profile blank configurations.

In **Press Roll Feed** is positionable for better coil utilization and easier removal of coil ends.

Sesco Products Group can design and build a variety of adjustable shearing tools to fit your specific needs. If the tool you are looking for is not outlined in this brochure, please contact us at 810-979-4400 and we will investigate the feasibility of building a tool for your application.

Sesco Products Group is a full service flat metal coil processing manufacturer and can also provide you with complete cut-to-length, progressive feed and blanking lines. Please contact us at 810-979-4400 for our full line of coil processing ideas catalog.



Press Equipment Corporation



A Coe Press Equipment Company

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