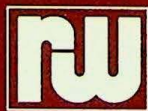


Product Guide

Roper Whitney Metal Fabricating Tools and Equipment



Roper Whitney products cover a broad spectrum of the metal fabricating field.

With larger, stationary machinery, hydraulic punches that combine big "muscle" with portability, a variety of manually operated punches, notchers, benders, shears and sheet metal tools, and one of the largest selections of punches and dies available for punching round, irregular and special shapes in mild steel, stainless and other special materials, you can look to Roper Whitney for all your needs.



MANUALLY OPERATED TOOLS

Roper Whitney and Pexto manually operated metal fabricating tools... for production and craftsman alike.

In the midst of today's trend toward automation in the metal fabricating field, there's still room for that right combination of quality and simplicity that's found in Roper Whitney and Pexto manually operated tools.

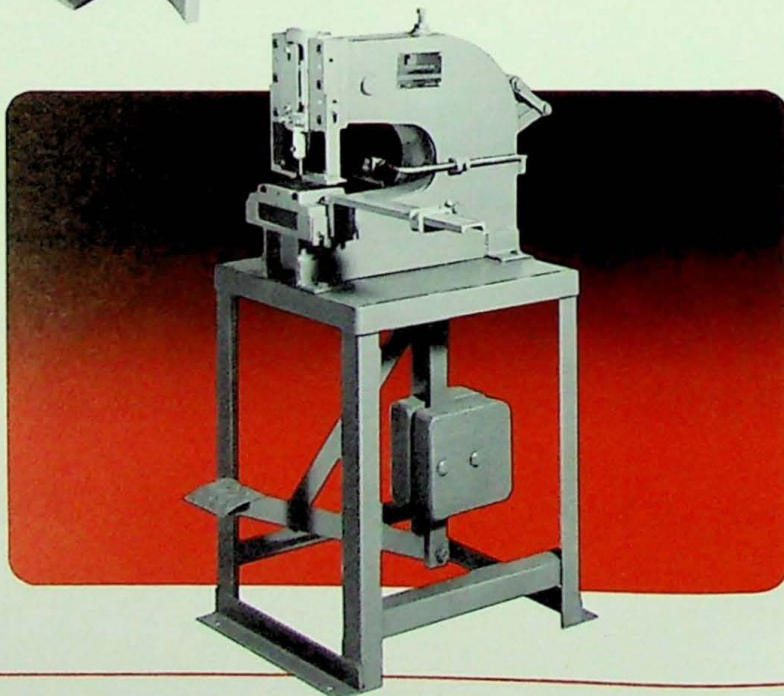
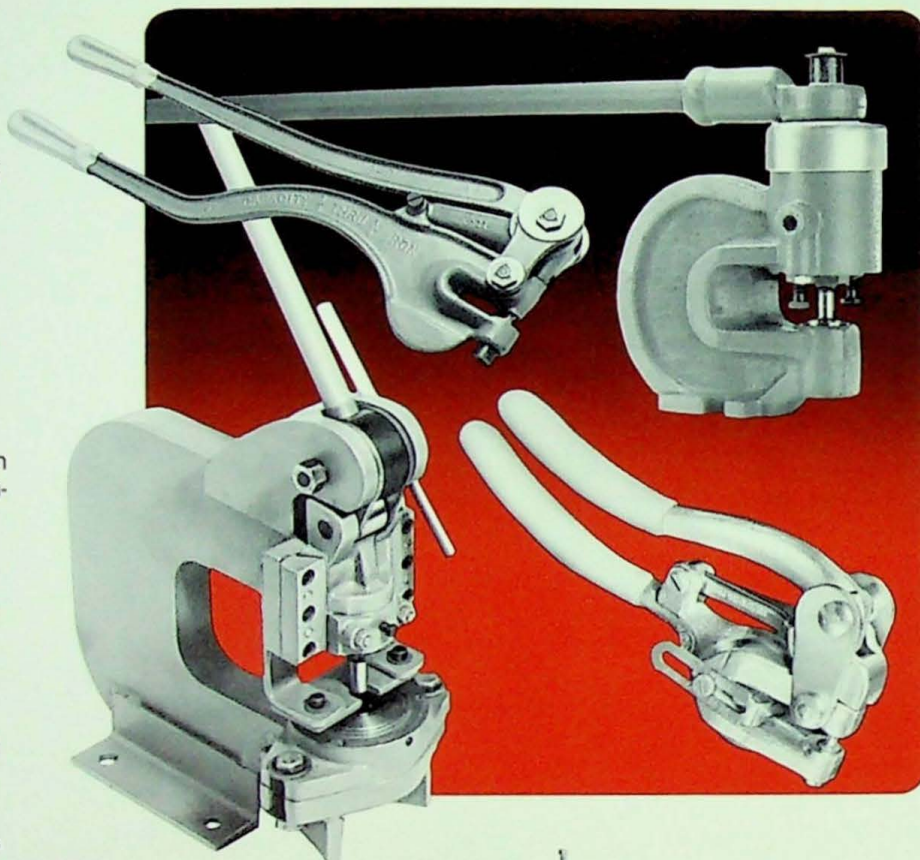
Many Roper Whitney and Pexto tools, untethered by power cords, will go to work most anywhere for one-at-a-time punching, shearing, bending or notching. They are at home in most any shop: the high volume production shop, the small job shop, in pre-production and engineering model shops, the school shop, in maintenance and repair shops. And in the field: with the utilities, the service and construction industries, and the farmer. For the finishing touches, or to correct mistakes. To make things work, or keep them working.

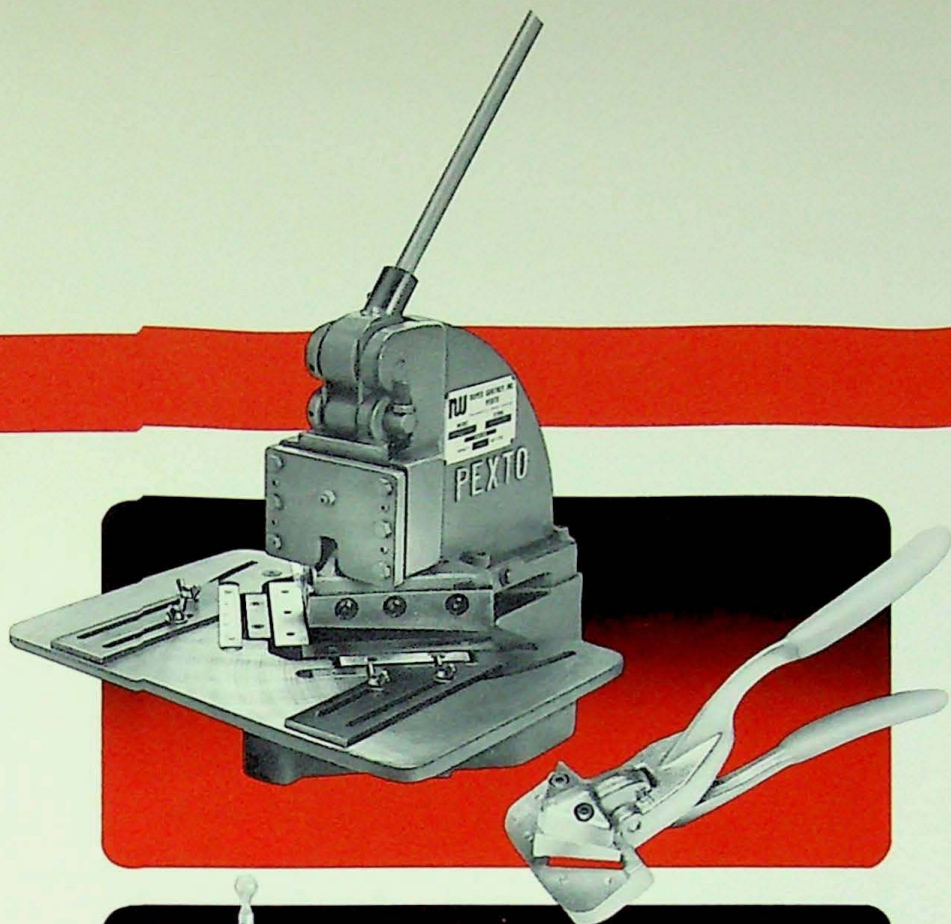
Roper Whitney and Pexto tools are tools you can rely on, for many years. There are a lot of old ones around that have withstood the test of time. Why? Because their combination of consistent quality, design simplicity and construction detail makes them reliable and easy to use. They were a good buy yesterday... they're an even better value today.

Hand-operated punches are comprised of two basic types: portable and bench. The portable punches range from light duty hand operated tools with 1-ton punching capacity that can be carried on a tool belt or in a tool box, up to a heavy-duty 30-ton capacity punch that can be moved from job to job. All of the portable punches have a bench mounting base accessory that provides optional stationary mounting when the need arises.

Bench punches provide stationary punching stations needed in many shops. They offer capacities from 2 tons to 20 tons, plus the versatility to accommodate cylindrical, flanged and other shaped parts. Floor mounting bases are offered as options on many of the bench punches.

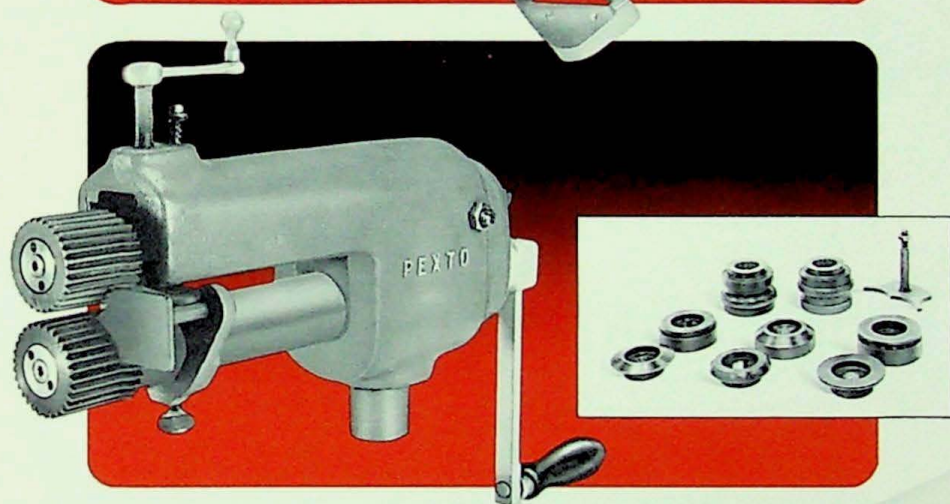
Foot and lever operated presses extend the hole size punching capacity offered by the punches, up to a 4-inch diameter round hole and similar larger sizes in other shapes. They are rated at 5 and 8 tons, respectively, and are floor mounted on their own heavy-duty stands.



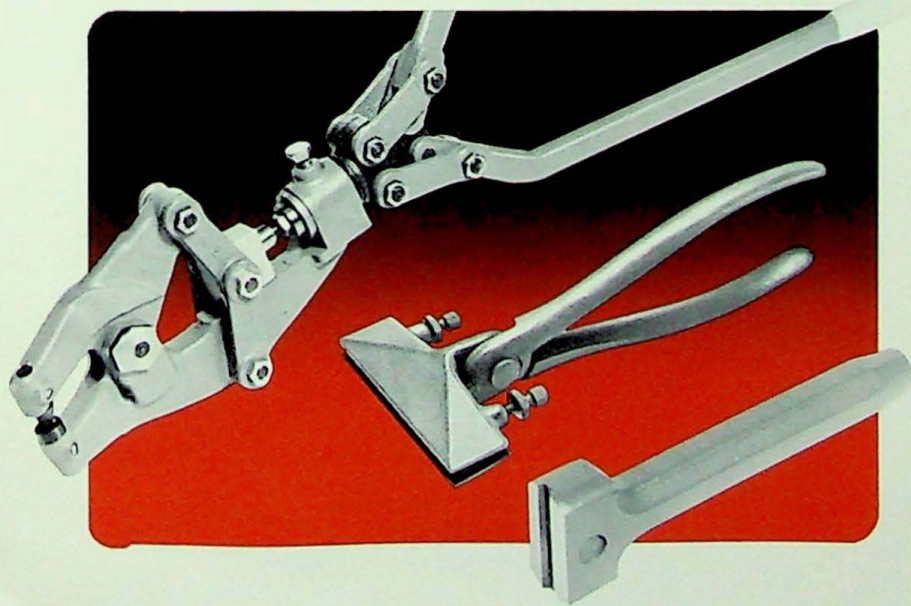


Notchers, benders and shears are ideal companions to Roper Whitney portable punches and presses. Both bench mount and smaller, highly portable models are offered to notch, bend or shear flat stock and/or angle iron simply and accurately.

Roper Whitney forming machines offer a broad variety of shapes and capabilities in forming sheet metal for a combination of uses: Beading, crimping, setting down, double seaming, turning, burring, wiring, elbow edging, flanging and flattening. All are precise in the job they do and are readily adaptable to job requirements. Most are portable and may be set up at the job with a clamp-on base. As described elsewhere, Roper Whitney also has powered forming machines.



Roper Whitney also offers other basic tools that the sheet metal craftsman can't be without. From a variety of special punches to grooving tools, seamers, crimpers, wing dividers, rivet squeezers and rivet sets, to aviation pattern snips, double cutting shears, bull dog snips, pipe cutters and laid blade snips. Roper Whitney and Pexto quality are found in them all. For the shop, the traditional Pexto stakes serve as the basis for many forming tasks. They're convenient, accurately machined and rugged, to perform through years of daily use.





FABRICATING MACHINERY

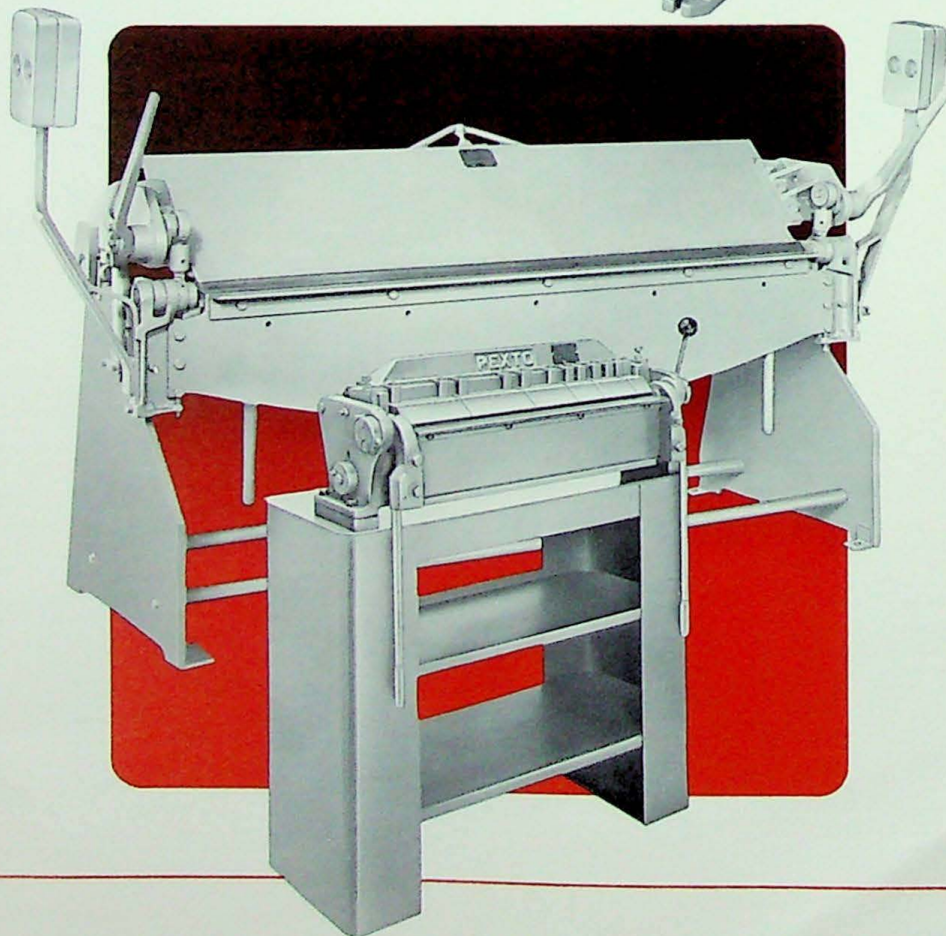
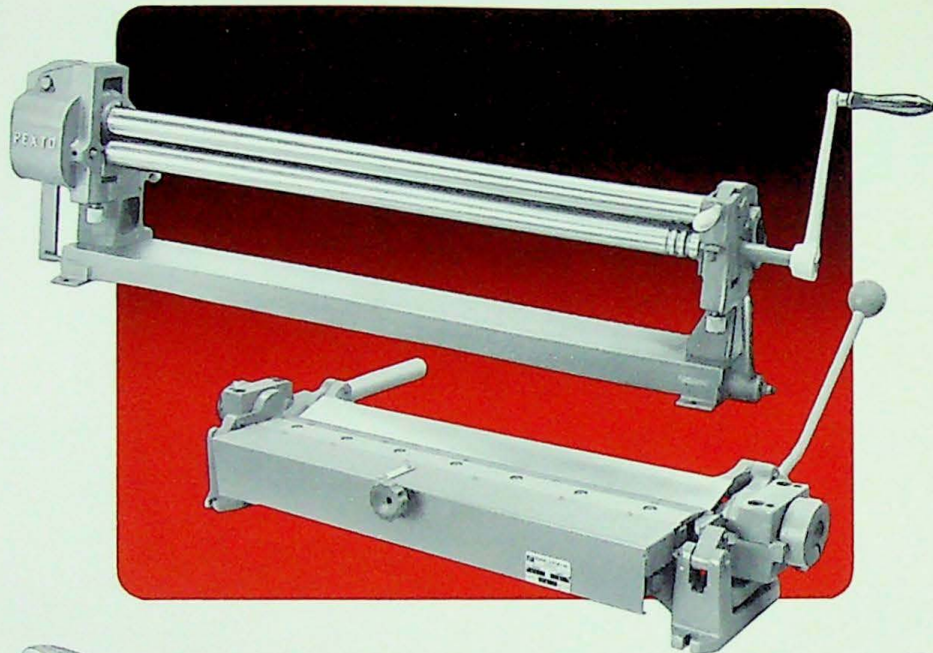
Roper Whitney fabricating machinery helps you tackle even the largest jobs.

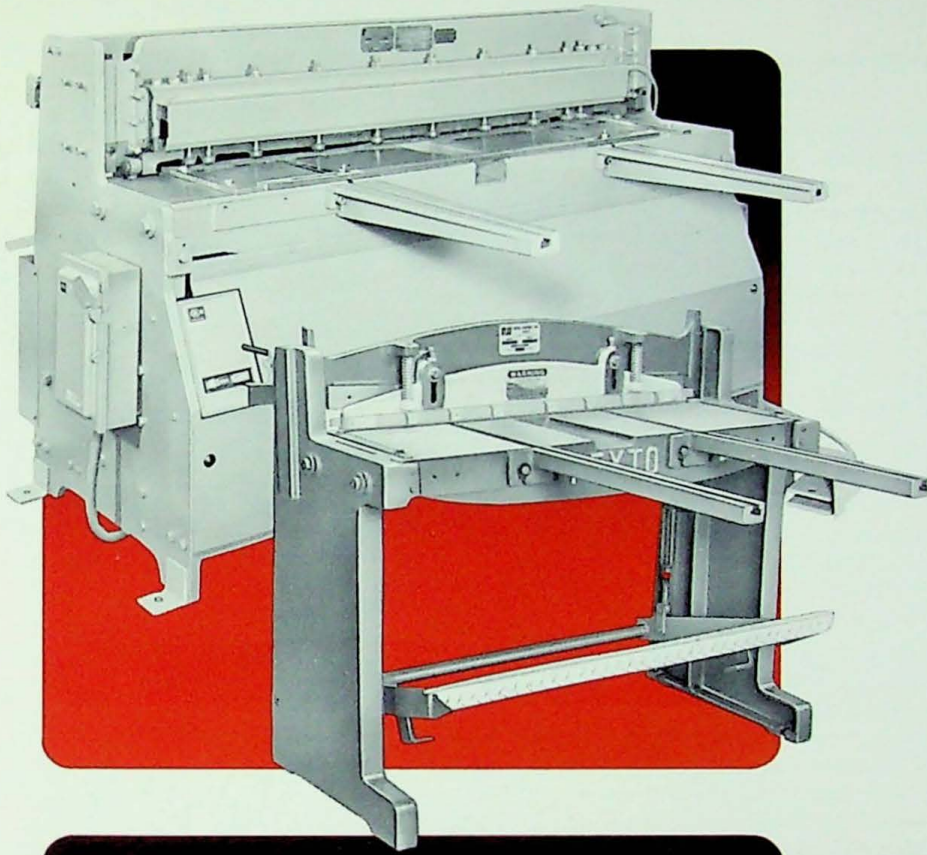
Roper Whitney can offer you some of the most functionally productive metal fabricating machinery available anywhere. All with Roper Whitney's traditional no-nonsense design and rugged construction.

Roper Whitney forming equipment consists of Pexto powered Beading Machines, manual and powered Roll Bending Machines with 2", 2½" and 3" rolls and various capacities, and manually operated Bar Folders. Each contains design features that not only make them easy and convenient to work with, but also durable. They'll serve a shop with precision and accuracy for many years.

Roper Whitney bending brakes are separated into two main categories: light and heavy duty. Light duty brakes have the capacity to bend up to 16 gauge mild steel, while the heavy duty brakes have up to a 12 gauge mild steel capacity.

These brakes are also grouped according to bending function or versatility. Although all may be used for straight bending, many perform more intricate forming operations such as box and pan bending and radius bending by means of special attachments.



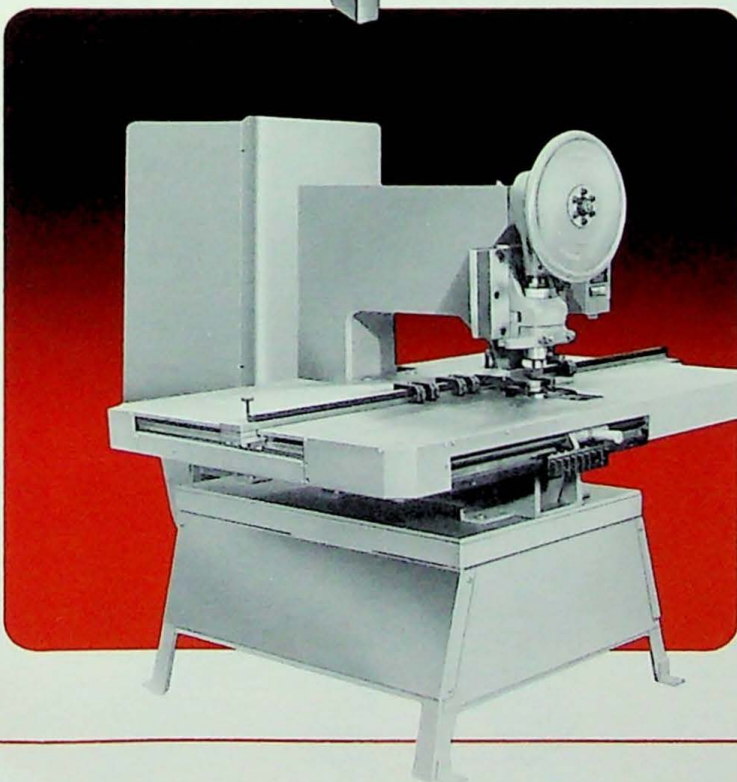


Squaring shears consist of two categories: Foot and Power Operated. The Foot Squaring Shears with treadle action are simple to operate and easy to control for precise shearing. Being non-powered they combine lower initial cost and the lowest operating cost when compared to the powered squaring shears. The Power Squaring Shears offer many choices . . . of size, capacity and configuration . . . to adapt to a variety of higher volume production shop requirements. Like the foot squaring shears, they are built tough to machine tool standards to provide years of service. All are fitted with standard safety devices.

Roper Whitney power presses are an extension of the punching capabilities offered by manually operated punches and presses. Available in deep throat and inclinable models, several presses offer optional equipment that provide for fast and accurate hole positioning and tool changeover. From the Adjusto-Ram clutch option to the locating table with quick change tooling.

Roper Whitney power presses feature all steel welded frames, V-type ramway construction, machine cushion pads and an optional air foot trip switch to replace the standard foot treadle trip.

Other power machines like notchers and press brakes are ideal companions to the bending brakes, shears and punch presses described previously. They provide simple and accurate notching, punching and bending capabilities.





PUNCHES and DIES

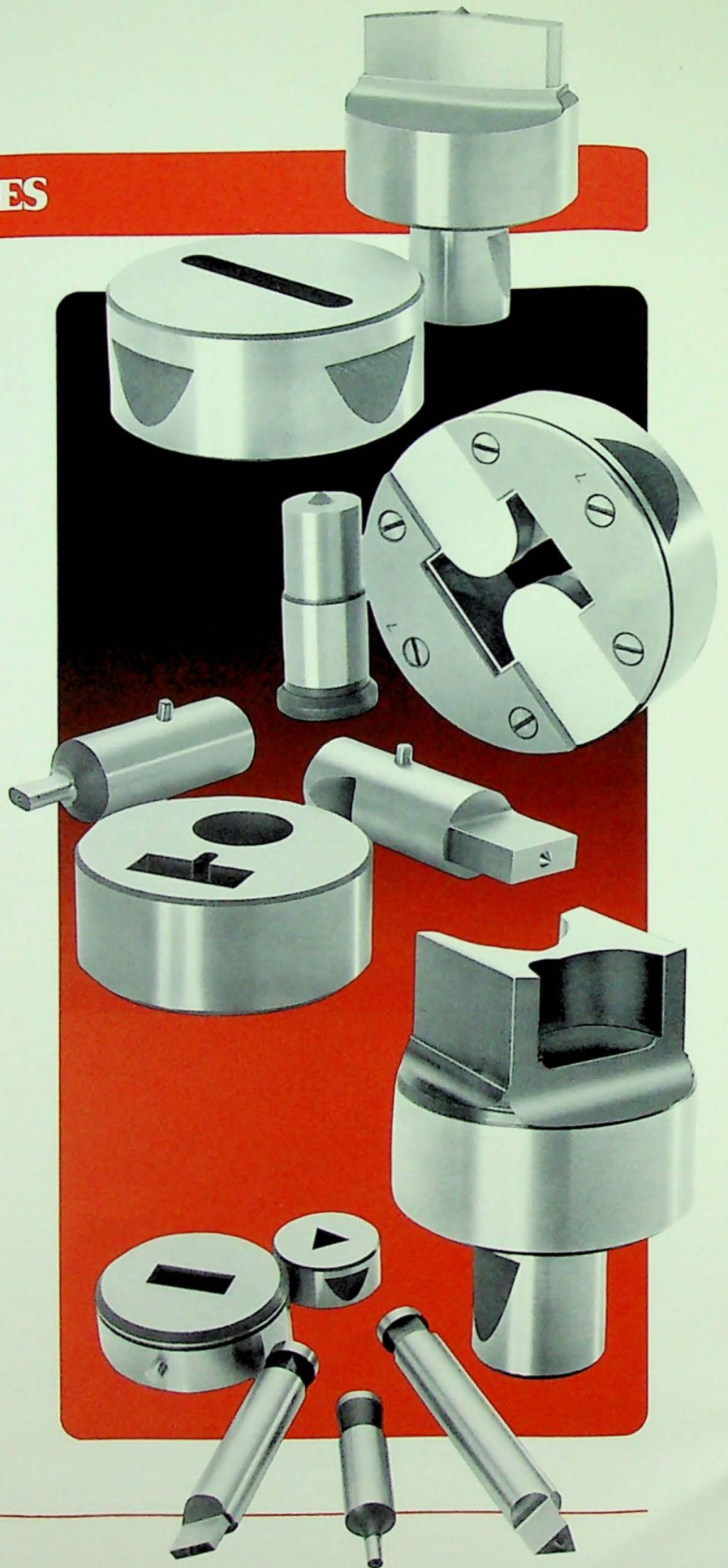
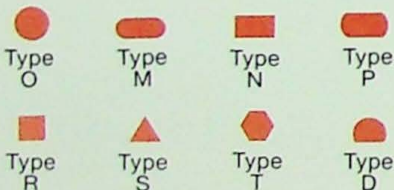
Roper Whitney gives you thousands of choices to find exactly what you need in punches and dies . . . And then some.

Regardless of what your punch and die requirements are, single station quick change, portable hydraulic punches or hand punches, it's a sure bet that we'll have the tooling you need to match your job. In round, irregular and special shapes, for mild steel, stainless or special metals. In popular decimal sizes, drill sizes and metrics as well.

They're machined to precise tolerances that you can depend on, including clearances to match your exact needs, through thick or thin material. They're of the quality that knows no compromise.

In addition to their usefulness in Roper Whitney tools, many Roper Whitney punch and die configurations are interchangeable with tooling of other manufacturers.

Accessories which are necessary (or optional) to adapt the punch and die tooling to a tool or an application; such as punch holders, coupling nuts, die adapters, die shoes, strippers, etc. are also available. For other adaptations to fit special tools or applications, contact Roper Whitney for assistance.



HYDRAULIC TOOLS



Roper Whitney hydraulic tools pack punching power and portability

Within the shop, out in the yard, in the field or on the road, there are always tough hole punching jobs that can't come to the punch . . . so the punch must go to them. These are the types of applications that Roper Whitney portable hydraulic punches, a unique combination of punching power and portability, are designed for. Yet they are equally as functional as bench mounted punches or as gang mounted units for flexible multiple hole punching applications. All they require is 4500 psi maximum hydraulic input (3000 psi in gang punches) from our portable power units or a similar source of hydraulic and electrical power and they're ready to go to work most anywhere.

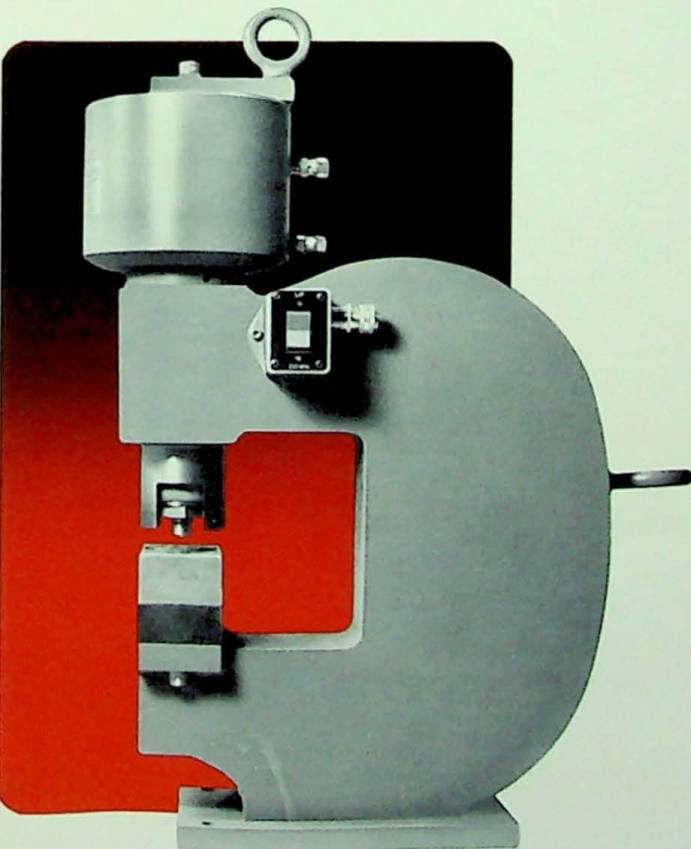
The punch units available range in rated capacity from 8 to 50 tons, with standard throat depths, deep throat designs to punch further from the edge of a work piece, and special purpose punches that are tailored to special jobs such as channel iron and web punching, guard rail punching and others. (If your application is unique, contact Roper Whitney for help in selecting and/or developing a special configuration to satisfy it.)

Standard Throat punches are designed to provide hole punching up to 4-3/8" from the edge of a variety of flat stock thicknesses. Because of their "standard" throat configuration, they provide a smaller overall package than the Deep Throat punches or Special Function punches with equivalent punching power. Tonnages range from 12 to 50 tons. The 12 through 35 ton units have a forged hardened steel frame, while the 50 ton punch has a full 5" thick flame cut steel frame. **Deep Throat punches** extend the punching capabilities farther in from the edge of a piece.

Special Purpose punches extend punching capabilities beyond that of flat stock, angles and channels accommodated by the standard and deep throat designs shown previously. They are based on unique frame and throat configurations to handle 3" to 12" channel, other structural shapes used in the construction industry, aluminum extrusions used by truck body builders, the appliance industries and others, as well as special shapes such as highway guard rails. They are representative of Roper Whitney's ability to help a variety of industries meet their special punching needs.

Gang punching helps a shop adapt to custom multiple hole layouts. A gang punch setup is typically made up of any number of punching units, channel iron mounting base, mounting template (to determine punch locations), hydraulic manifold assembly and power unit.

Roper Whitney gang punches are similar to the single unit hydraulic punches with two exceptions: 3,000 psi maximum working pressure when ganged and the base plate configuration.



**Roper Whitney Offers Quality Products
Readily Available Most Anywhere.**

Roper Whitney tools are tools you can rely on for dependable performance for years. And they're available worldwide through distributors that know your needs and how to satisfy them . . . service that's dependable.

Thank you for your interest. Want more information?

If you have special interest in a particular group of Roper Whitney products, we'll gladly respond to your request for a comprehensive catalog on them.

Send your request to:



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