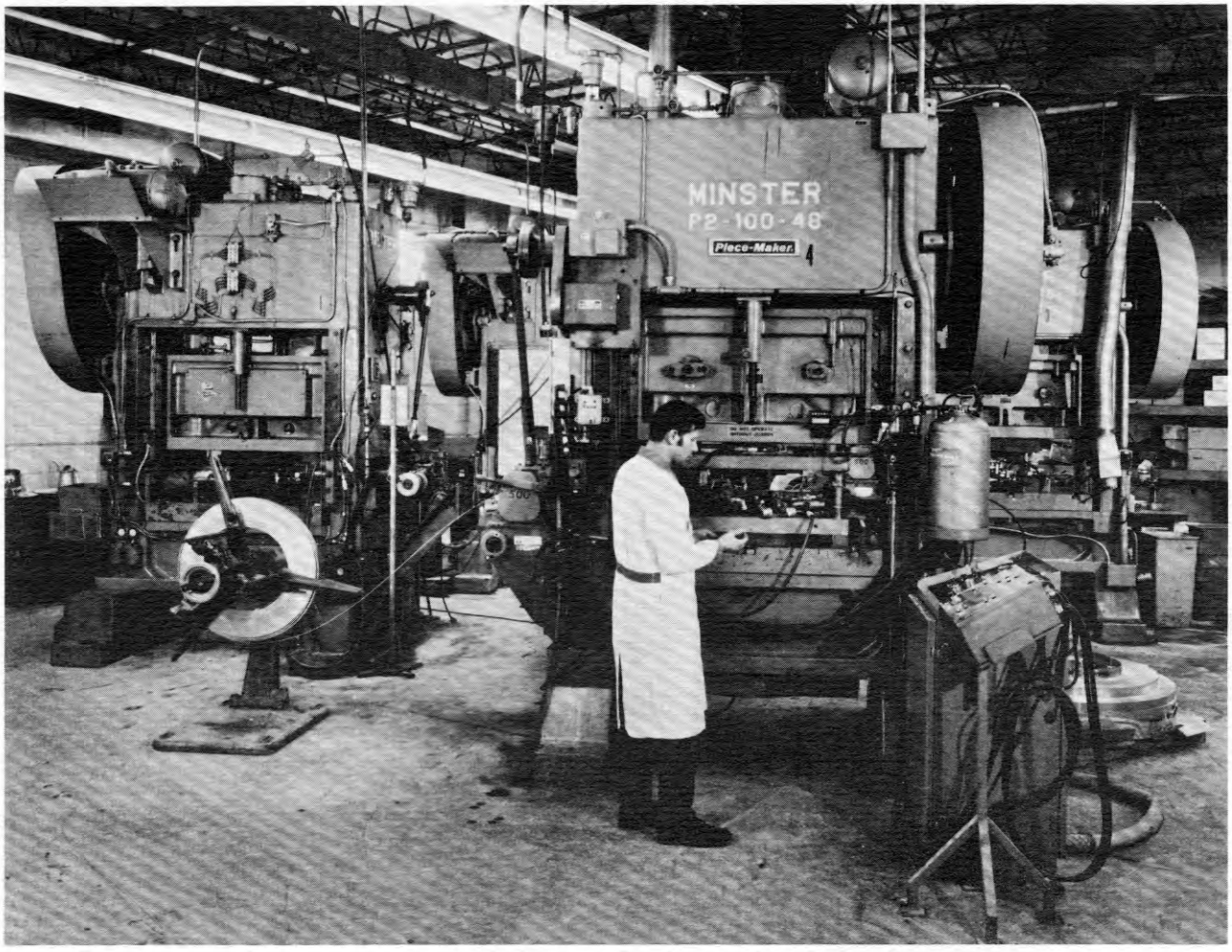
The Koller Approach

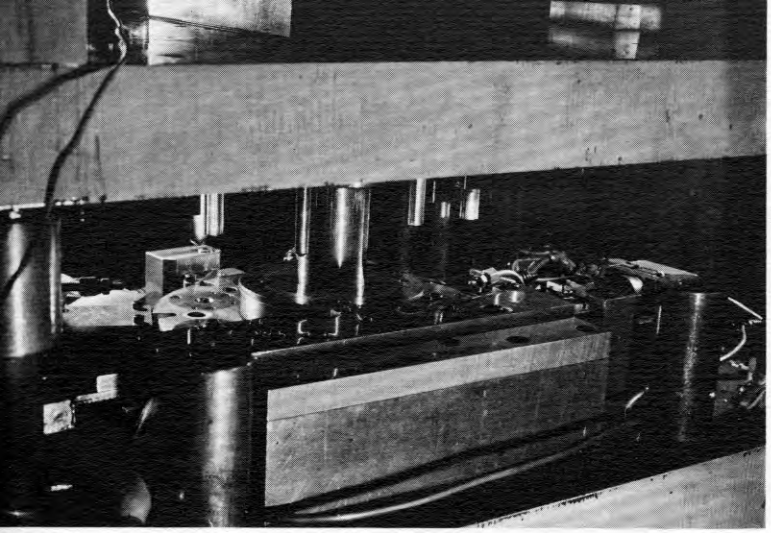
Invest in your own ability and Minster presses to get high volume precision stamping jobs others shun.

Koller Die & Tool Company offers a complete manufacturing service, from prototype, through tooling, stamping and final assembly. Other top-notch firms do the same, but Koller is very different in their approach to obtaining close tolerance, high volume stamping business. Confident in their ability to perform a unique service for a potential customer, they often design and build the tooling before they bid on a part order.

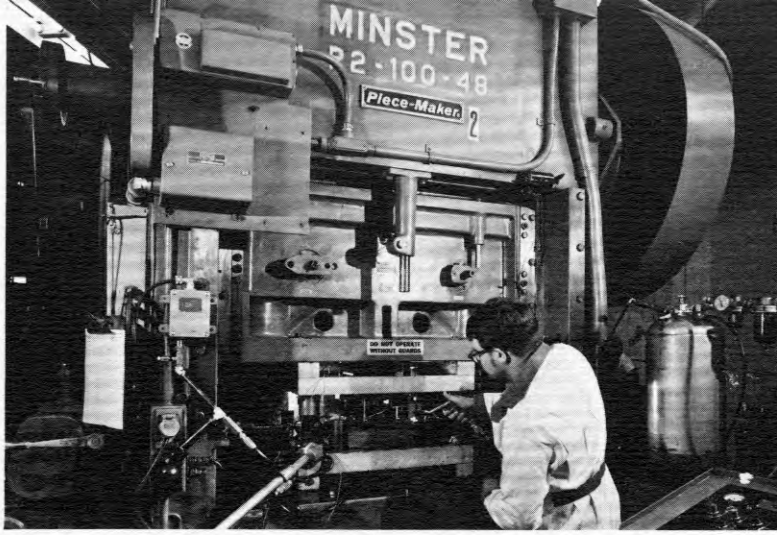
The company started business in 1919 as a tool and die plant and built a reputation for precision, high production tooling. In 1963 they took aim on the long-run contract stamping business. Today Koller Die & Tool Company's modern 70 man shop, in a northwest suburban setting in the city of Milwaukee, is heavily engaged in supplying not only tooling but millions of parts to the aerospace, electronic, ordnance, electrical, appliance and business machine industries across the nation.

Paul Wolff, Plant Manager, attributes the firm's success to their ability to improve on a customer's methods, get better productivity and more consistent quality, all at a lower cost per part. When they see a market for a part they go ahead, investing their time and money to design and build a temporary die, experiment, make the part (sometimes they buy a new press in anticipation of a job) and then go out and get the order. Most of their business is in extremely high volume (millions a month) parts.

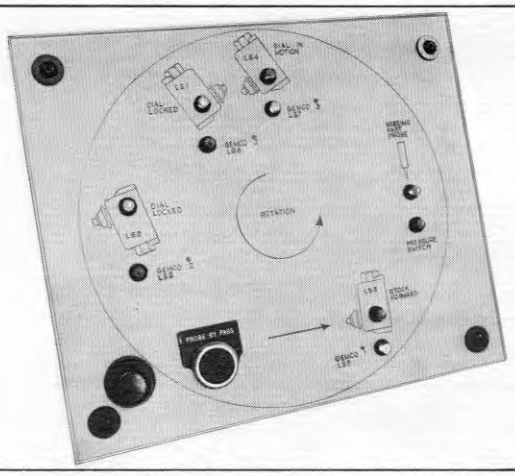




Close-up of universal rotary progressive die which can be used for a variety of close tolerance parts.



P2-100 press is used to cold-form fuse part at 40 to 50 spm in one operation using rotary die.



Koller built die safety switch indicator panel for rotary die.

Intricate electronic and electrical parts like this are produced in large quantities by Koller on progressive dies built in their toolroom.

Universal Rotary Die Development

Koller made a large investment in the development of several universal rotary progressive dies. These tools are designed to use different die inserts and thus can be used to produce a variety of precision parts. Their capability in creative tool design gives them a competitive edge. In many cases they can command a higher price per part based on the ability to delivery consistent precision and quality at a high "Assured Quality Level."

Minster Presses "Just Keep Running"

Koller uses Minster presses almost exclusively. They currently have four 100 ton capacity Piece-Makers, a P2-60, several O.B.I.'s and a B1-22. With part runs ranging from 100,000 to literally millions, the dependable performance and precision of the Minster's are a big advantage. Paul Wolff says, "That's why we've got Minster's. They keep on running. They never stop." Koller buys standard presses and feeds and equips them with their own design electronic detection devices and sophisticated tooling.

Stamping Reduces Die-Casting . . . Saves 3½¢ Per Piece

An example of Koller's novel approach is a fuse part which was originally a die casting requiring secondary finishing operations. Koller devised a method of making a cold formed, blanked, pierced, coined and shaved stamping in one press stroke in a rotary die on a Minster P2-100 at 40-50 spm. They produced over 30,000,000 parts with a reject rate of less than .01% and cut the per part cost by 3-1/2¢.

Koller Die & Tool is contemplating an expansion program which will enlarge their plant capacity and allow them to further develop their contract stamping business.

Koller Buys Stock Presses from Minster for Quick Delivery

When Koller needs a new press they usually need it in a big hurry. That's why they think Minster's stock press program "is great." They can generally get a stock press in 6 weeks or less and that's what they buy.