

Interlock Terminal Corporation, Westland, Michigan, Increases Production Over 260%.

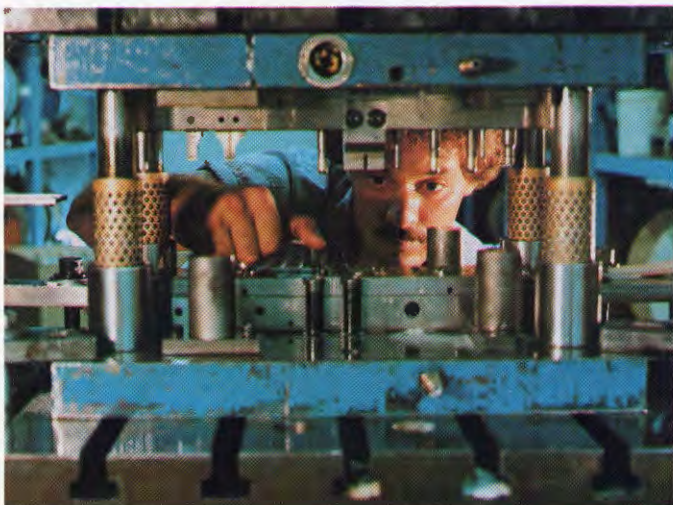


Bob Peterson, president (L) and Bill Walsh, general manager.

Since 1965, Interlock Terminal Corporation has been supplying creative answers to customers' electrical terminal needs. Interlock's capabilities include product design, tool build, parts manufacture, and product evaluation laboratory testing. These services are available as a complete package or separately. Interlock Terminal's comprehensive range of abilities and their expertise at each have given the company a world-wide reputation as a leader in its field.

From "Hummingbird" to "Pulsar"

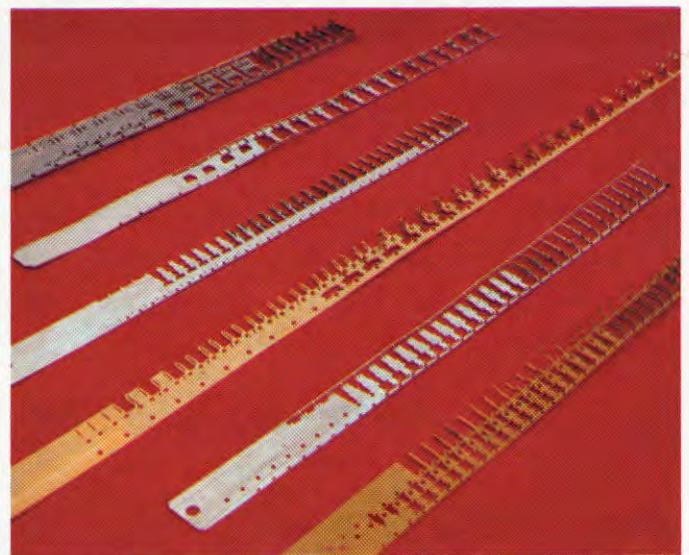
In 1981, Interlock began running parts on their first Minster Hummingbird and have since continued to keep pace with advancing high speed press technology . . . currently running five **Pulsars** and three Hummingbirds. Says Interlock



Minster's retractable bolster feature is "a definite plus" for Interlock.

president Bob Peterson, "In my opinion, the Minster Hummingbird . . . and now the **Pulsar** . . . are the only presses capable of running the kind of tools we build today. A liberal tolerance in our dies is two tenths and the **Pulsar** and Hummingbird are ideal for this type of close tolerance work."

The Minster **Pulsar** was designed specifically to meet the needs of high speed precision stampers, and as far as Interlock is concerned, it hit the mark. Say Peterson, "What impressed me about the **Pulsar** is the quality of the parts it produces due to precision stroke repeatability. You can't fully appreciate quality equipment like this until you've experienced its capabilities first-hand. When we began running stampings, we learned a great deal about practical die design and construction. The **Pulsar** makes that job easier for all the right reasons — speed, quality, alignment and low deflection. The **Pulsar's** performance will allow us to begin using more sophisticated tool materials that will give us 25,000,000 hits between die grinds."



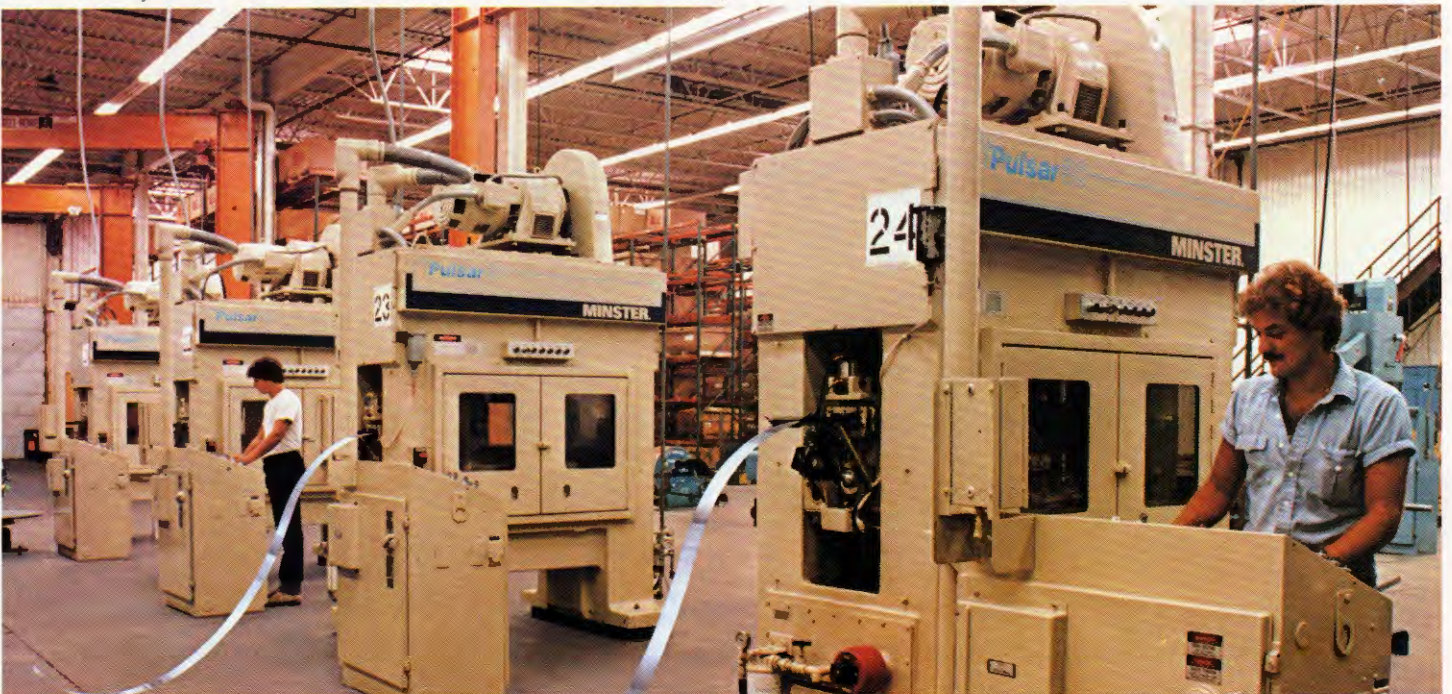
Some examples of the intricate terminal stamping that is typical of Interlock capability.

Many of the terminals produced by Interlock require very intricate and precise tooling, and production has to be **reliable** in order to keep parts flowing to customers. Bob Peterson feels he can count on the **Pulsar** to meet those demands . . . "For high-volume, precision punching and forming — especially in .015" or thinner material — you shouldn't consider anything else. Punch alignment is critical in that type of operation, and you get it with a **Pulsar** because the guiding system is so accurate.

"The replacement rate of small diameter punches in a die can tell you a lot about press quality. We manufacture a stainless steel component with some very small piercing punches. With our older presses those punches averaged 30,000 pieces between die sharpenings; that same die in a **Pulsar** has run more than 200,000 parts without any sign of a burr."



Market competitiveness is the bottom line measurement for any new machine tool purchase. For Interlock, the **Pulsar** gets high marks for improved **quantity** and well as **quality**. High speed production improves productivity, increases tool utilization and helps improve production turnaround for short lead-time orders. Says Interlock general manager Bill Walsh, "Historically, we've averaged 276 strokes per minute on our older presses (including downtime). We're nearly tripling that figure with our **Pulsars**. At present, our productivity has increased over 260%, and we're confident that stroke count will go significantly higher. Figures like that allow us to be more competitive and make Interlock the one to beat."





These Minster Hummingbirds were Interlock's first stage in their program to increase press productivity.

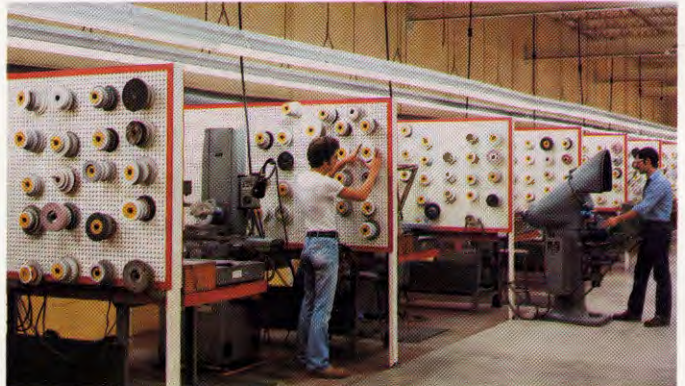
"Another example of the advantages of the **Pulsar's** speed capability shows up on a job we're running that requires 127,000,000 parts per year. That kind of production previously utilized six dies; with the **Pulsars** we need only three. In fact, on a recent run in one of our **Pulsars** we were able to produce 590,000 parts from a one-out die in a single 10-hour shift, averaging in excess of 1100 strokes per minute of press running time."

The **Pulsar's** speed capability also allows Interlock to respond to customer needs. Says Bill Walsh, "The production speeds we realize with our **Pulsars** permits us to react to short customer lead times. We can meet a tight delivery schedule by adding to a shift instead of adding another shift. We could be a million parts behind and be caught up in a day and a half."

If you're involved in high speed, precision stamping, you can't afford not to investigate the **Pulsar**. Its unique combination of high speed and consistent accuracy can help you gain a competitive edge.

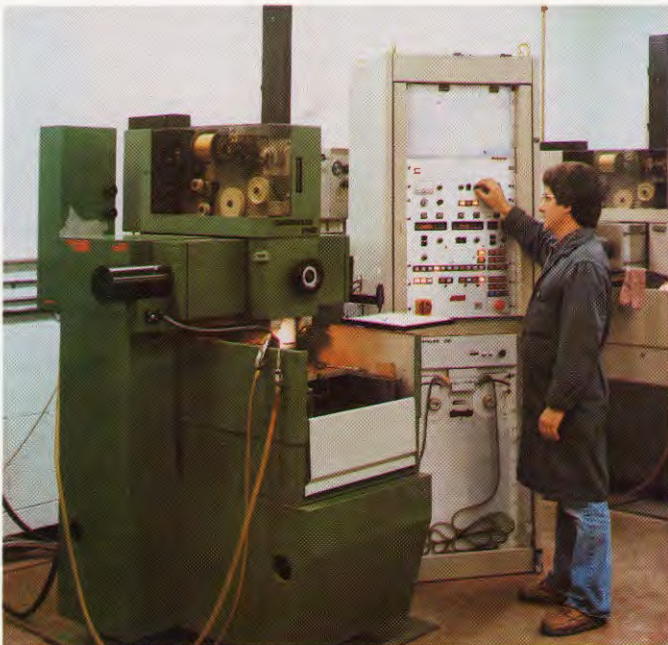


A Minster Hummingbird is used at Interlock Technical Center for die tryouts.



Interlock Technical Center provides tool design and construction services.

Interlock Technical Center in Brecksville, Ohio, provides tool design, construction and die tryout for Interlock Terminal and its many customers. The comprehensive facility, along with the capability and ingenuity of its people gives Interlock an additional competitive edge. Together with Interlock's high volume part production ability, the Brecksville facility adds another problem-solving dimension to keep Interlock "the one to beat."



Precision traveling wire EDM machines at Interlock Technical Center.

