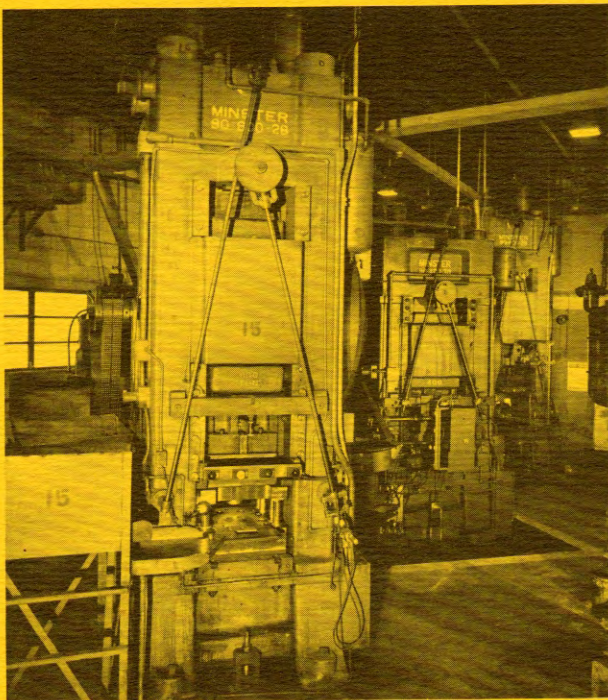


MINSTER IMPRESSIONS IS
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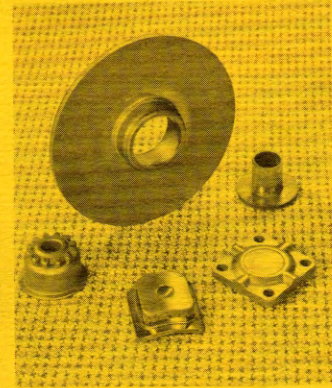
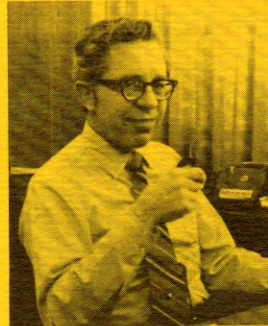
Cousino Custom-coins the "Gay Deceivers"

Richard Snyder, President of Cousino Metal Products, Inc., Toledo, Ohio, heads up a unique firm, one of two in the United States who use knuckle joint presses for custom coining work where the bottom of stroke pick-up dwell allows holding tolerances to ± 0.001 ".

Cousino is "sole source, single source" for many of the parts they produce for customers in automotive, electronics and aerospace industries. The customer submits a part print. Cousino builds the dies and produces the part using its custom cold-forging or coining processes. In many cases they hold tolerances which can not be met by stampers using conventional presses.



*Richard Snyder, President of
Cousino Metal Products, Inc.*



Snyder refers to his production parts as the "gay deceivers" . . . parts which do not particularly look difficult to make, because the exacting tolerances are just not visible to the naked eye. Precision blanks are made from rectangular bar stock or occasionally, cold rolled strip. The Minster Knuckle joint presses range from 150 to 800 tons capacity. Many are equipped with special automatic feeding devices and produce at an average speed of 85 spm, turning out 14,000 to 20,000 parts per 8 hour shift. Part sizes range from 7 lbs. per thousand to 890 lbs. per thousand.

Cousino Metal Products started in business in 1940. Today they have 34 employees in their tool and die shop, pressroom, engineering and other production facilities. They offer their customers the advantages of intricate shapes, micro-smooth part surfaces, close tolerances, high metal density, material savings, economical prices and efficient delivery service.

Minster Knuckle Joint Presses have a precision knuckle assembly. The press crankshaft is connected to the center of the knuckle linkage and straightens the knuckle as the shaft revolves. This provides a high mechanical advantage and tremendous pressure at the bottom of the stroke. The press is designed with a massive frame and extremely rigid gibbing for perfect alignment.

Dick Snyder says "Dollar for dollar, pound for pound, the Minster knuckle joint press is the best machine to do this type of work."

MINSTER® THE MINSTER MACHINE COMPANY, MINSTER, OHIO 45865 U.S.A.