

Magnetic Metals Considers Minster Their Prime Supplier of Quality Stamping Presses

Since they purchased their first Minster 150 ton capacity P2 Piece-Maker® high speed automatic production press in 1963, Magnetic Metals Corporation, Camden, New Jersey, has been involved in a continuous up-dating with Minster presses. Today they have twenty-three.

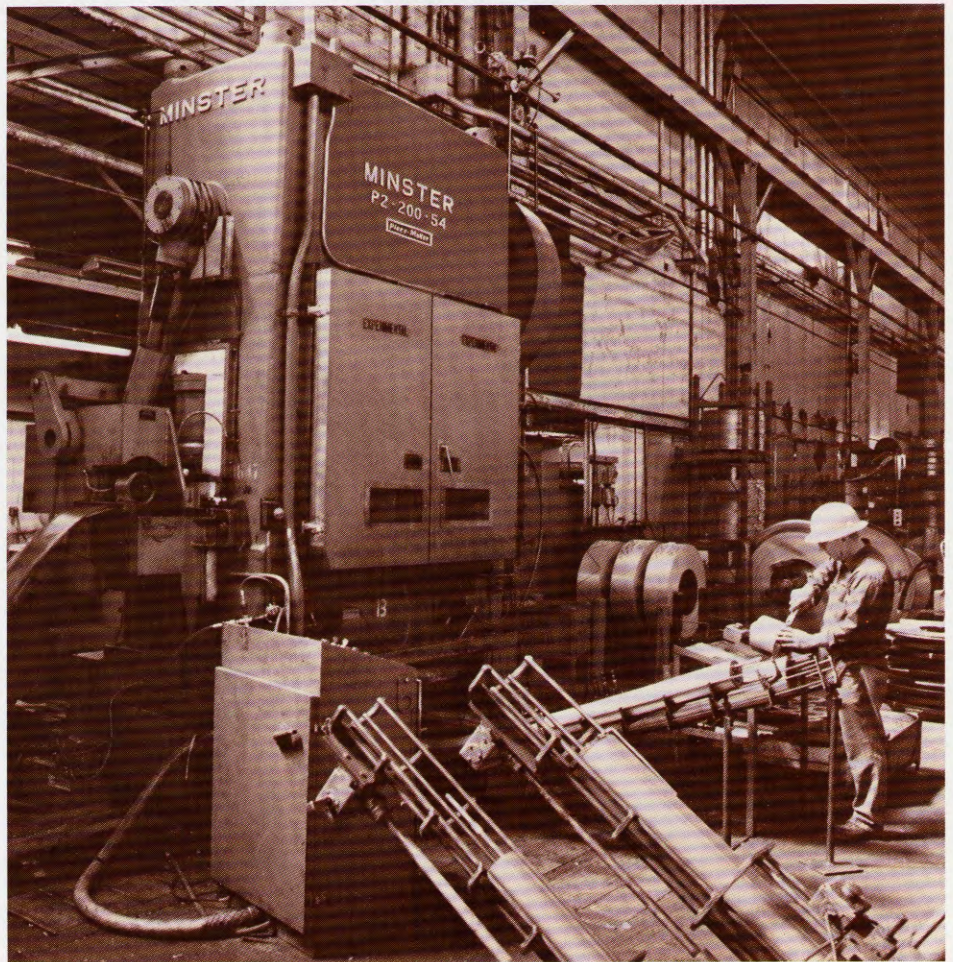
Mr. Chris Zimmerman, Mgr. of Manufacturing Engineering of the company which is a leading supplier of magnetic core parts for many industries, explains, "A Minster press is designed with the precision necessary for close-clearance lamination dies."

Numerous 100 ton capacity P2 presses are used here to produce transformer laminations of the scrapless "E & I" type. The I's are first blanked out of the windows of two facing E's. One E is then blanked through the bottom of the die while the other comes off the end of the die.

Small and medium size "E & I's" are run on P2-30, P2-60 and P2-100 Piece-Maker presses. Most of these are made of .014" thick grain-oriented silicon steel. Widths range from 1/2" to 12".

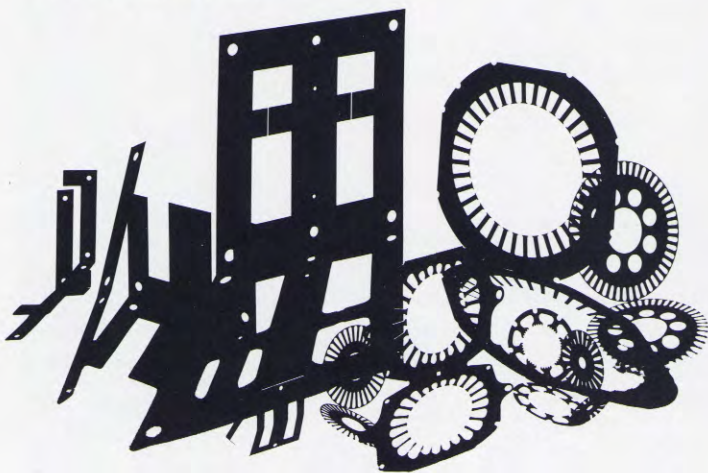
MOTOR LAMINATIONS RUN ON PIECE-MAKER PRESSES

Magnetic Metals revolutionized the fractional and integral horsepower electric motor industry in the late 1940's by producing fully decarburized laminations from low carbon steel. They are produced today under the tradename "Motork." They are run on 30, 60, 100 & 200 ton Piece-Maker presses at speeds exceeding 400 spm.



"Motork" electric motor laminations are run at speeds in excess of 200 spm on this Minster 200 ton Piece-Maker press. Working diligently to reduce noise, Magnetic Metals uses a partial enclosure on this press to reduce direct die impact noise.

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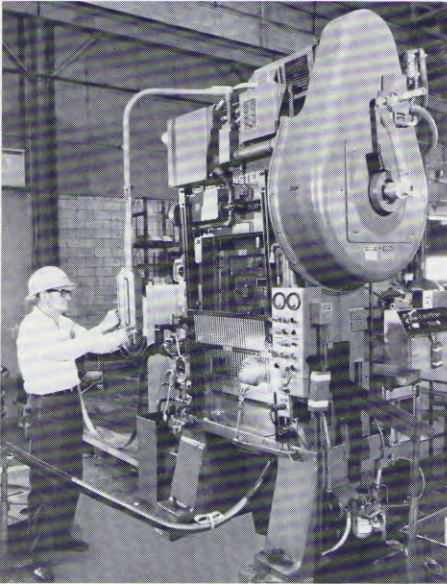


Mr. Chris Zimmerman, left and Gene Stephenson, Minster Regional Manager, review a proposal for a new Minster P2.

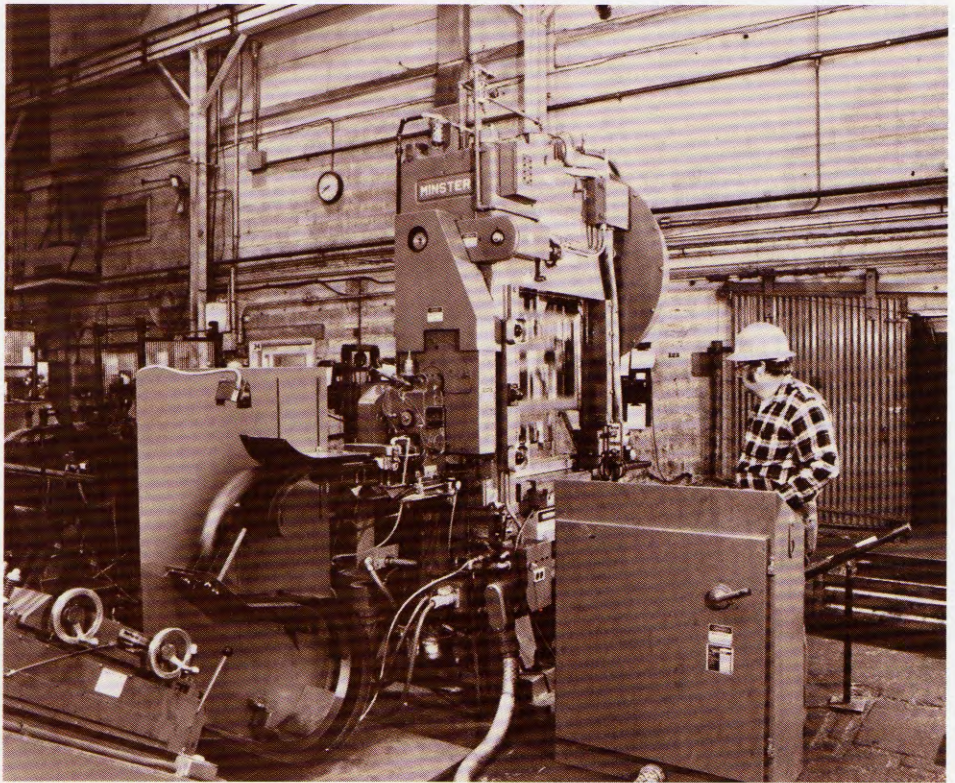
MAINTENANCE NEVER A PROBLEM

Mr. Zimmerman states, "In our past experience we've always felt that Minster presses were of the highest quality and reliability. They have given us excellent service with minimum maintenance. We've run most of them nearly continuous over long periods of time without trouble. When we have done any major overhaul work over the years, Minster has always done an excellent job of getting us the parts we need."

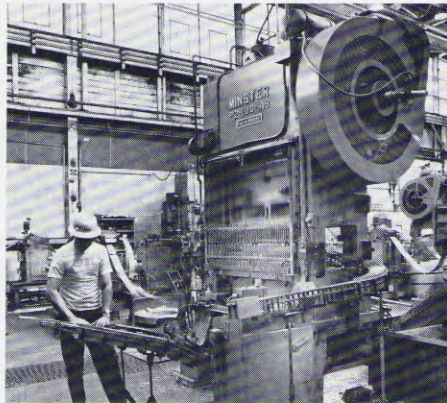
Latest additions to the line-up of Minster presses at Magnetic Metals have been made to achieve higher speeds and enhance control capability. Summing up Mr. Zimmerman says, "Magnetic Metals considers Minster their prime supplier of quality stamping presses."



Small motor laminations are run on P2-30 presses.



This Minster Piece-Maker 60 ton press produces stepper-motor type laminations. Tooling has been designed to provide optimum concentricity between I.D. and O.D by compounding operations in one station and removing I.D. scrap through the upper die. The press is fed by one of the first Minster Coiled Material Handling Systems that was put into operation. It controls the stock loop and fine trims the straightener speed to hold a stable loop for high speed feeding. Chris Zimmerman comments, "This system has proven to be a very efficient unit for feeding stock to a press under full control and throughout a wide speed range."



High speed 100 ton P2 presses like this produce "E & I" type laminations used in audio and high frequency communication equipment.

Magnetic Metals Corporation, has since its founding in 1942, built an outstanding reputation throughout the world as a leading supplier of electro-magnetic core parts. The company's products and specialized services are in demand in telecommunications, controls, computers and small electric motor industries.

The first carbide lamination die used in the industry was produced by Magnetic Metals in 1946 and the company has been a leader in the field ever since. The Camden plant has a well-equipped tool

room and staff for building new dies and rebuilding older ones.

The company is known for its electro-magnetic material expertise and ability to meet the unique requirements of its customers. Strict material control is used. Every coil of nickel material is magnetically tested to assure its use in the optimum application. Nickel ranging from .002" to .014" thick is stamped into parts for electronic equipment. This firm is also the main supplier of transformer sensor cores for ground fault interruptors.

In addition to the Camden plant covered in this article, Magnetic Metals Corporation operates stamping facilities in Brantford, Ontario, Canada and Mexico City all of which, by the way, are running Minster Presses. Magnetic Metals Corporation has recently been acquired by Inductotherm Corp., a leading producer of induction melting furnaces for foundries.